

DELABIE



PUBLIC &
COMMERCIAL
PLACES

DELABIE

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Certification
ISO 9001: 2015
quality management
systems

ACS

Certificate of Sanitary Conformity.

All DELABIE products conform to the CPDW* directive modified 29/05/1997, and the French Ministry of Health circular DGS/SD7A2002 no. 571 dated 25/11/2002.

* Construction Products in Contact with Drinking Water (European Commission).

NEW



DELABIE's commitment!

DELABIE PRODUCTS HAVE A 30-YEAR WARRANTY!

DELABIE products are designed to last for as long as possible.

The quality of our products is such that we have no hesitation in **guaranteeing our products for 30 years***.

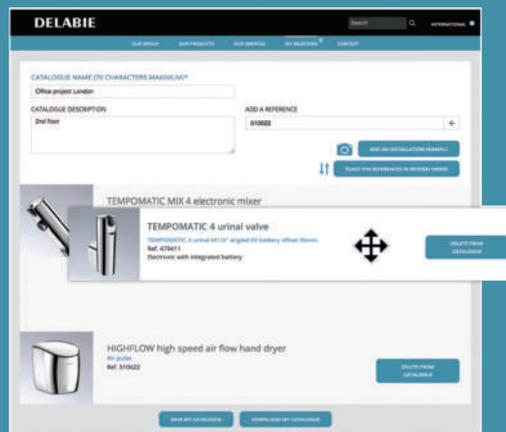


DELABIE PRODUCTS CAN BE REPAIRED FOR 50 YEARS!

We will keep **spare parts for our products for 50 years*** to facilitate any necessary repairs.

DELABIE is helping to minimise your costs and prolong product lifespans, thereby reducing your ecological footprint.

* see Terms and Conditions of Sales from 1st January 2024

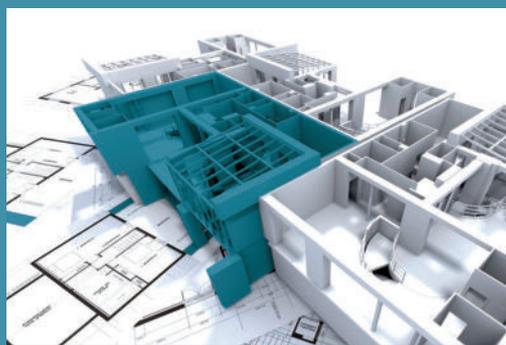


DELABIE.COM AVAILABLE FEATURES

Create your own catalogue using your own product selection.

You can **personalise** it by giving it a project name and description, by choosing the order for the products to appear and by adding lifestyle images.

This catalogue will then be available in **Word, PDF and Excel** formats.

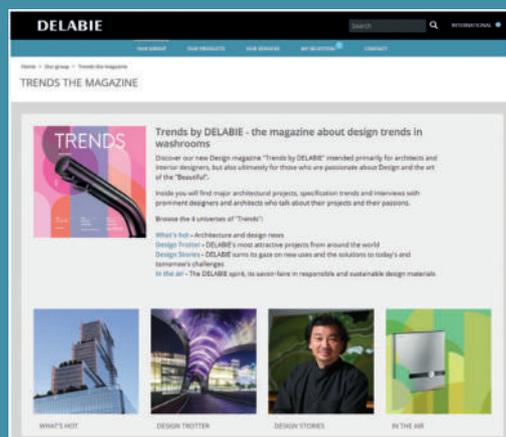


BIM: DELABIE'S CORE PRODUCTS ARE NOW AVAILABLE

To meet the requirements of BIM technology, DELABIE has modelled its core products.

BIM files can be downloaded via the relevant product data sheet or via datashare.

The list of references available in BIM format is available in **Our Services - BIM Files**.



TRENDS THE MAGAZINE: THE DESIGN TRENDS TAB

Browse the "Trends by DELABIE" magazine intended for those who are passionate about Design and the art of the "Beautiful".

Discover the 4 universes of "Trends" with major international projects, specification trends as well as interviews with prominent designers and architects who talk about their projects and their passions.

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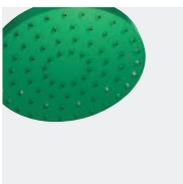
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WATER SAVINGS

Water, a precious resource

Water bills are increasing due to the scarcity of water and the increasing costs of treatment and redistribution. In developed countries, average **water consumption** per person has **multiplied by 10 in a century** and doubled in the last 30 years (Source: *Centre for Information about Water, France*).

In **public and commercial places**, the average consumption is 50% higher than for domestic use. It represents **200 litres per day, per person**. In some specific environments (hospitals, hydrotherapy centres, etc.) it can even exceed 500 litres per day, per person. In these environments the users' behaviour is different as they are not the ones who pay. Any malfunctions or leaks in public and commercial places take longer to be reported and fixed than in a domestic household.

Lowering water consumption

For better control of water consumption, the flow rates of DELABIE's water controls are among the lowest in the world: **3 lpm** for basins and **6 lpm** for showers.

Split delivery around soaping and automatic shut-off systems remove the risk of waste through user negligence. The time flow on basin controls is limited to **7 seconds**.

DELABIE's cistern-less flush system for WCs prevents leaks. A leaking toilet wastes approximately 600 litres of water each day.

(Source: *Ministry of Ecology / UFC que choisir*).

The WCs' intelligent **3L/6L dual flush**, the urinals' **3-second flush** or the electronic urinals' **high-frequency mode**, are all examples of ways to optimise water consumption.

All these DELABIE solutions and systems ensure **significant water and energy savings**, without compromising efficiency or user comfort.

Example of annual water savings

| | Airport | Service station | Offices |
|-------------------------------------|-------------------------|---------------------|---------------------|
| Number of basins | 1,500 | 20 | 125 |
| Number of uses / day | 600 | 250 | 30 |
| Number of days open / year | 365 | 365 | 230 |
| Consumption / year (domestic 9 lpm) | 1,576,800m ³ | 8,760m ³ | 4,140m ³ |
| Consumption / year (DELABIE 3 lpm) | 197,100m ³ | 1,095m ³ | 518m ³ |
| Annual savings Excluding VAT | €8 278 200 | €45 990 | €21 735 |

Average price per m³ of mixed water in France: €6 excl. VAT
See water consumption comparison page 19.

ENVIRONMENTAL POLICY

Environmental Labels

DELABIE's mixers and taps are designed for public and commercial places. Their performance level fully exceeds the highest standards required by accreditation schemes such as WELL, WEPLS, EU Ecolabel, European Water Label, etc. which are mostly concerned with domestic mixers and taps.

DELABIE is committed to the main environmental labels for buildings such as **BREEAM, LEED, HQE, etc.** Solutions for optimising flow rates and automatic shut-off are examples of ways to reduce water and energy consumption.

DELABIE's mixers and taps can help project managers achieve the highest performance levels for buildings within these schemes. *For more information see page 8.*

Repairability

When you install a DELABIE product, you are installing a product that is designed to last.

The quality of our products is such that they will operate for many years without requiring repairs. DELABIE is one of the few manufacturers on the market offering **a 30-year warranty**.

In addition to their exceptional durability, our products can also be maintained over a very long period of time. We have made our **spare parts available for 50 years**, meaning that our products can be repaired rather than replaced.

Thanks to interchangeable and standardised cartridges and repair kits, our products' spare parts can be quickly replaced without the need for any specialist tools.

Our team of technical support experts is available by telephone in France and across our subsidiaries to guide you through the repair process and provide advice and documentation whenever required.

DESIGN

Commercial environments and design

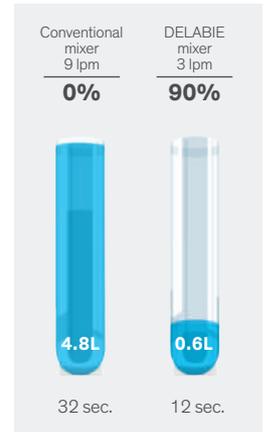
DELABIE's products, known for their endurance and reliability, have a **timeless design**.

The diversity of the product range fits in perfectly with any commercial installation.

In an office building or a shopping centre, it is paramount that the product design fits in with its surroundings. In prisons, products must be resistant and secure: concealed mechanisms, streamlined design, etc.

Design without constraints

Aesthetic products are subject to less vandalism as they are better respected. The **smooth shape** of the mixers and taps reduces the build-up of dirt and facilitates cleaning. Easy but secure access to the control mechanisms ensures easy maintenance.



Water saving per use (electronic basin taps)



50 years repairability



Discover our water savings video



Timeless design

COMFORT AND ERGONOMICS



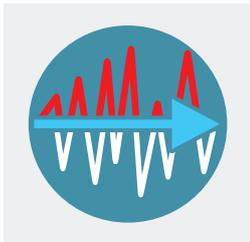
Soft-touch operation



No manual contact



Anti-scalding safety



Temperature stability



Reducing the risk of harm



System hygiene

Adapting to each individual

DELABIE's products are suitable for **all types of public and commercial places**: schools, airports, offices, service stations, restaurants, etc. The solutions are designed for all types of user regardless of their age, culture, or level of independence: the use of DELABIE's products is intuitive. Some models incorporate automated features.

Preserving user comfort

Washrooms in public and commercial places should provide the user with the **same level of comfort found at home**.

Thermostatic controls deliver water at a **stable temperature**. The progressive temperature lever ensures safe temperature control. **Soft-touch operation** or **automatic** systems are easy for the elderly, disabled people or children to use. Direct flush valves have a **low acoustic level** and comply with the European standard EN 12541 class II. The shower head nozzles, regulated at only 6 lpm, and flow straighteners provide a comfortable water flow.

A WIDE PRODUCT RANGE

A **diverse product range** enables DELABIE to meet the needs and requirements of public and commercial buildings.

DELABIE's products fit **basins, showers, urinals** and **WCs**. Water controls are available in various **different models**: deck-mounted, wall-mounted, recessed or cross wall for the secure sector, for example. **Different technologies** are available: electronic, time flow, mechanical and instant controls. Thermostatic mixers, anti-blocking systems, waterproof housings, soft-touch operation, etc., are amongst the examples of features adapted to specific uses.

SAFETY

Anti-scalding

The temperature of hot water found in systems is very high. All DELABIE mixers are fitted with a maximum temperature limiter. On thermostatic models, the **anti-scalding failsafe** instantly shuts off the supply of hot water in the event of cold water supply failure.

Temperature stability

PREMIX and SECURITHERM **thermostatic mixers** regulate the temperature precisely. Even if there are pressure variations between the cold and hot water supplies, the temperature remains stable.

Reducing the risk of harm

User safety is taken into account right from the product design stage. Rounded and de-burred edges prevent any risk of injury. The streamlined and sleek design provides additional safety.

HYGIENE

Maximum user hygiene

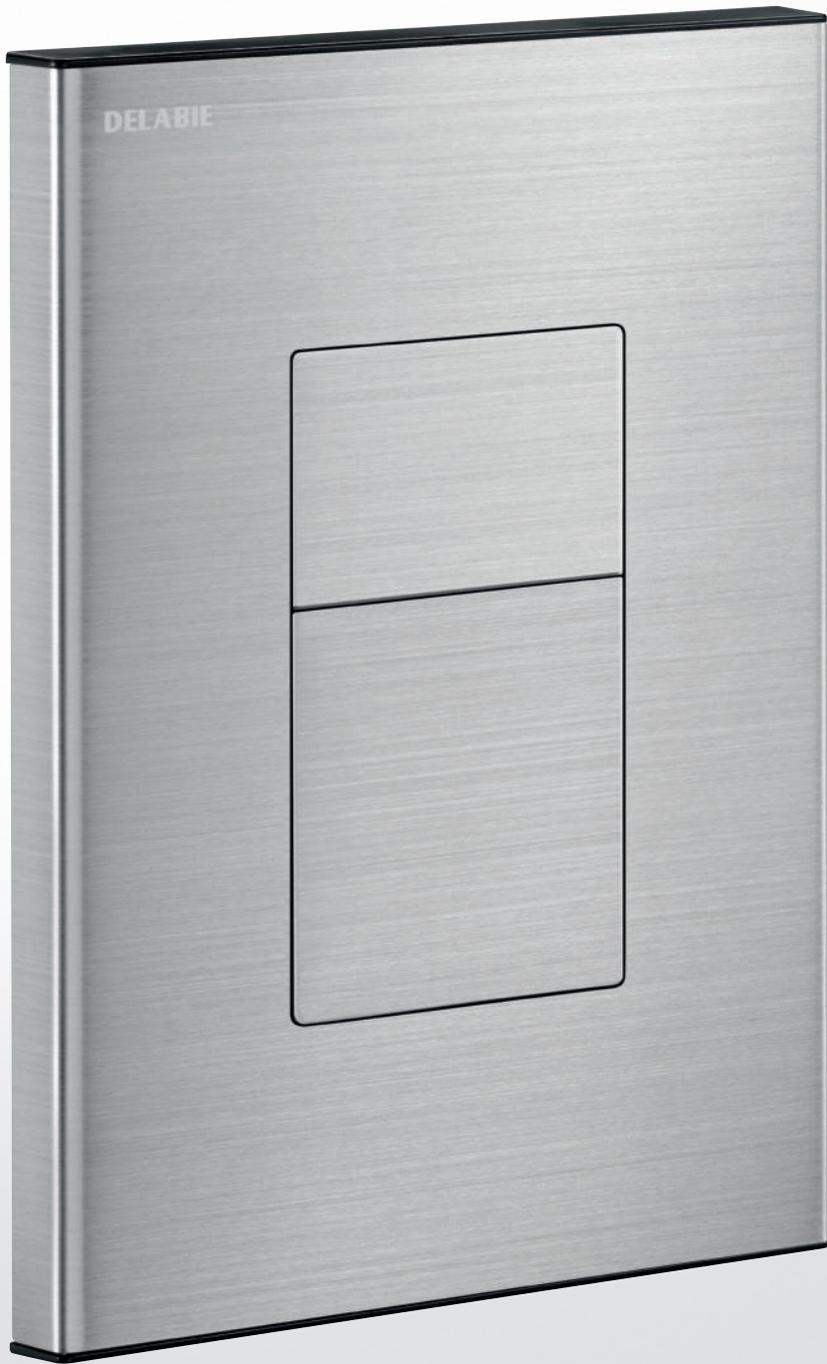
Time flow and electronic controls offer maximum hygiene to users. **No manual contact** after the valve shuts off, prevents the spread of germs by hand. An automatic flush guarantees rinsing after each use. Good hygiene is ensured for the next user.

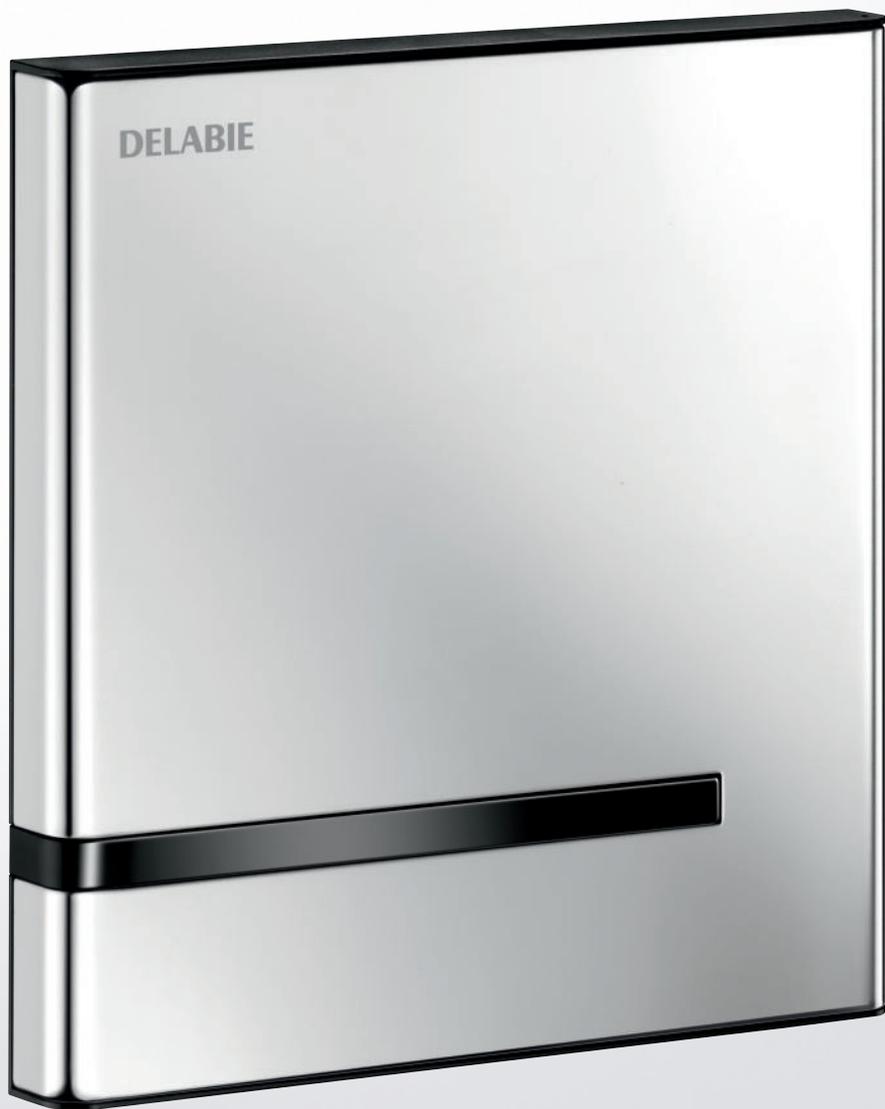
System hygiene

Unused mixers or taps (isolated point-of-use, washrooms closed during the holidays, etc.) lead to water stagnation in the system and can cause the development and proliferation of bacteria. All DELABIE's electronic controls are fitted with a **duty flush** programme. An automatic flush activates every 24 hours after the last use.

In WCs with cisterns, stagnant water at ambient temperatures encourages the development of bacteria. **Direct flush** systems are one of many solutions for maximum hygiene in public and commercial places.

These different concepts offered mean that installations can comply with new European standards (German regulation Trinkwasser, French Directives of the 1st February 2010, and of the 30th December 2022, etc.).





VANDAL-RESISTANT

DELABIE's controls have been specifically made from durable materials such as brass, stainless steel and reinforced fibreglass to withstand voluntary and involuntary vandalism.

DELABIE's products have a sleek design to limit the possibility of being pulled off. To prevent abuse and waste, certain models are fitted with an **anti-blocking system (AB)**.

In areas with high levels of vandalism, **cross wall** or **recessed** models are ideal. The mechanisms and fixings cannot be accessed by the user.

EASY TO INSTALL

To save time during installation, DELABIE's products are **quick to install** and **adjustments are kept to a minimum**.

Flow rates are pre-set at economical levels which prevent splashing and require no further adjustment, even for group installations.

Flow rates can still be adjusted to overcome excessive or insufficient pressure and/or achieve optimised levels for environmental labels.

Automatic flow rate regulation is integrated, for example, in the shower systems.

Shower panels are delivered ready to install. The majority of basin mixers are supplied with flexibles that have pre-fitted stopcocks, filters and non-return valves.

MINIMAL SERVICING

All mechanisms are made from **scale-resistant materials** and are **self-cleaning**. The timing systems are made from Hostaform® (a smooth material on which scale does not adhere).

Flow straighteners and shower head nozzles have a special system which reduces water retention and the build-up of scale.

All mixers/taps are supplied with **filters**, to protect the controls from impurities found in the system.

SIMPLE TO MAINTAIN

Mechanisms are integrated in the one-piece modules. Access is easy with no need to remove the tap or valve, whilst guaranteeing resistance to vandalism.

Components are standardised and interchangeable. Electronic systems have integrated LEDs to aid diagnostic checks.

DELABIE's technical support is available to provide any assistance necessary. All installation guides are available online at www.delabie.com.

RELIABILITY

Superior endurance

All products are subjected to endurance tests under extreme conditions in DELABIE's laboratories.

The products are designed specifically for intensive use in all types of public and commercial environments and in highly frequented places.

Resistance to intensive use

The average lifespan of the batteries is as much as 350,000 cycles, i.e. **3 to 6 years**.

Time flow systems and solenoid valves are self-cleaning. Their lifespan is a minimum of **500,000 operations**. There is no metal-metal or metal-plastic friction, ensuring reliable and durable timing.

WARRANTY

All DELABIE's time flow and electronic controls have a 30-year warranty against manufacturing defects.



Vandal-resistant



Anti-blocking system



Flow rate adjustment



Simple to maintain



Superior endurance



ENVIRONMENTAL LABELS

Saving drinking water is a growing concern: to achieve green credentials for a building or, more generally, in an ecological context. [A suitable mixer, tap or valve ensures the sanitary quality of the water and its sustainable use.](#)

Today, many project owners want an accreditation for their building as solid proof of its environmental performance. Destined for accommodation, industrial or commercial use, the certified building sees its heritage value increase with a "sustainability stamp".

In the current context of global warming and the rising cost of energy resources, sustainable use of the building is synonymous with saving energy.

Reducing water consumption is also an integral part of achieving accreditation. These savings also help to reduce the energy bill by reducing the energy required to heat the water (it takes approximately 34kW to heat 1m³ of water).

[DELABIE is committed to the environmental approach for buildings in accordance with the main environmental labels such as BREEAM, LEED, HQE, etc.](#)

DELABIE is also participating in the development of an environmental label as part of the [European Bathroom Forum](#). This label is voluntary and will come into effect when it is approved by the European Commission.



THE ADVANTAGES OF SPECIALIST WATER CONTROLS FOR PUBLIC AND COMMERCIAL PLACES

The DELABIE Group, committed to preserving the future, contributes to sustainable development by **limiting the use of natural resources**.

Water savings

DELABIE's water controls (electronic and time flow) reduce waste and prevent user neglect.

Water volumes are optimised to the necessary minimum without altering efficiency and comfort during use.

“**Choosing DELABIE products is choosing environmentally friendly products**”

Water controls which shut-off automatically reduce waste and prevent user neglect. This is achieved when hands are removed from the detection zone (for electronic controls) or after a timed flow (for time flow controls): 7 seconds for washbasins and WCs, 30 seconds for showers and 3 seconds for urinals.

For perfect optimisation of the water resource, **the flow rates** of water controls are **reduced** to 1.4 lpm for washbasins, 6 lpm for showers and 9 lpm for urinals.

“**Automatic shut-off and reduced flow rates for better control of water consumption**”

WCs with 3L/6L dual flush, **adaptable flush programmes** on the electronic controls and **the high-frequency mode** on urinals are additional ways to save water.

“**DELABIE designs ecological water controls**”

DELABIE's water controls support **an environmental and ethical approach**

GREEN time flow solutions

Time flow controls operate **independently** without electrical supply, therefore, they **do not consume any energy**.

“**Autonomous time flow controls**”

They are made from **sustainable materials that are 100% recyclable**.

They are equipped with **self-cleaning**, time flow **mechanisms**. Their lifespan exceeds 500,000 operations.

Economical electronic solutions

DELABIE's electronic controls require **very little energy** to operate.

The battery-operated versions operate independently for **3 - 6 years** on average. They use standard, affordable and recyclable batteries.

“**Economical electronic water controls**”

The first principle of saving water is to **prevent waste**

Effective direct flush system for WCs

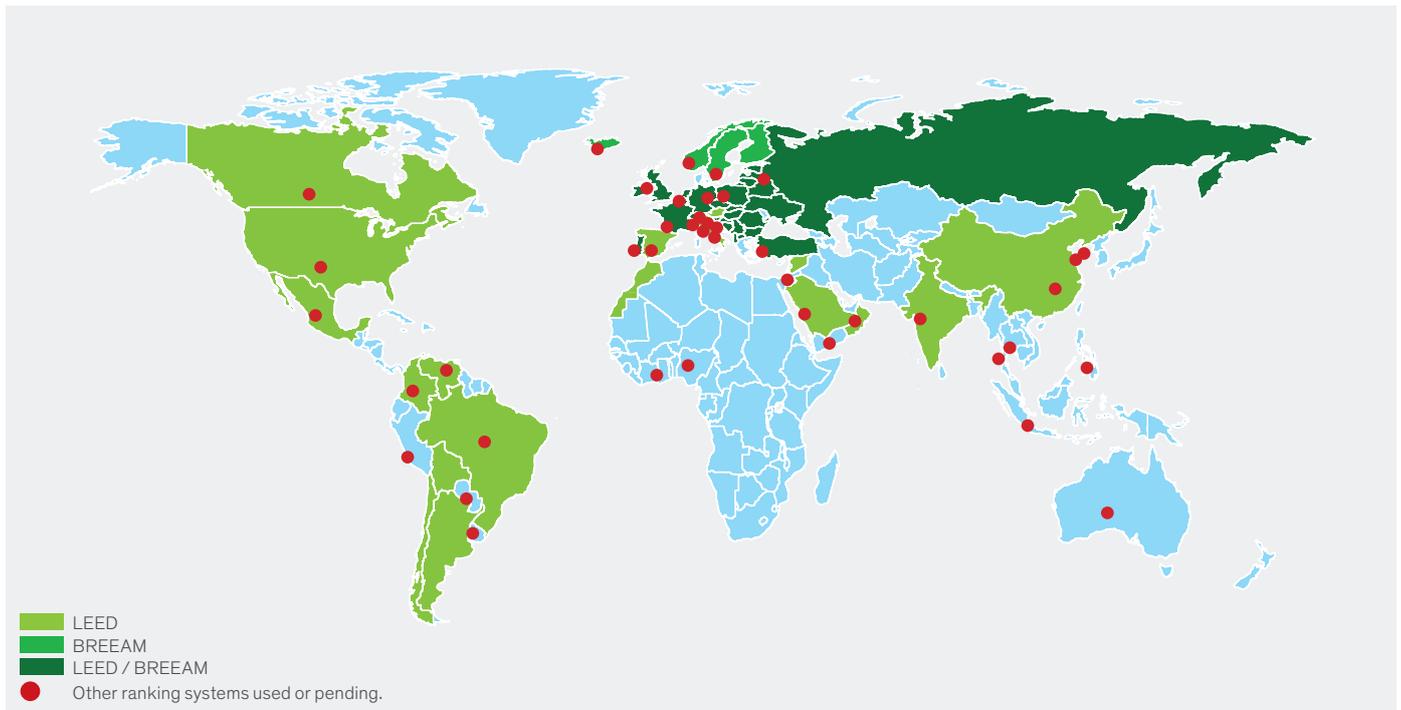
Flush valves consume a significant amount of water. Leaks from cisterns are practically invisible and can quickly inflate the water bill.

DELABIE develops **direct flush systems** without cisterns exclusively. Connected directly to the system, the flush is more effective, with no water stagnation and a reduced risk of leaks. The flush mechanisms are reinforced for intensive use.

On the time flow versions, the **3L/6L dual flush, adjustable to 2L/4L**, helps to reduce the water volume. Electronic water controls offer **intelligent flushing** which adapts to the required use.

Sustainable water controls

In addition to their undeniable advantages in terms of sustainable development, they also provide guarantees of **reliability, simple maintenance** and **hygiene**.



THE PRINCIPAL ACCREDITATION SCHEMES FOR BUILDINGS



American LEED

Leadership in Energy and Environmental Design

- High environmental quality buildings
- Global evaluation for buildings
- Credit system
- 4 levels of certification



British BREEAM

BRE's Environmental Assessment Method

- Sustainable building development
- Environmental performance
- New buildings or refurbishment projects
- Credit system



French HQE

"Haute Qualité Environnementale"

- Environmental approach
- Controlling the building's life cycle
- Points system
- 3 levels of performance



Dutch BREEAM NL

BRE's Environmental Assessment Method

- Sustainable building development
- Environmental performance
- New buildings or refurbishment projects
- Credit system



German DGNB

"Deutsche Gesellschaft für Nachhaltiges Bauen"

- Sustainable quality and building development
- Hydro-economic solutions
- New buildings
- Points systems with 3 levels of certification



German BNB

"Bewertungssystem Nachhaltiges Bauen für Bundesgebäude"

- Sustainable approach
- Controlling the building's life cycle
- Public buildings
- Points systems with 3 levels of performance



Middle Eastern ESTIDAMA

Sustainable development

- Sustainable way of life
- Methodology for building design
- Preservation of Abu Dhabi
- 3 levels of certification

ENVIRONMENTAL LABELS

The performance levels of DELABIE's water controls, in terms of water and energy savings, help to achieve the highest levels of the international environmental labels.



EUROPEAN AND GLOBAL CERTIFICATION

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  ACS ACS: "Attestation de Conformité Sanitaire" CPDW directive Decree of 29 May 1997, amended Ministry of Health Circular DGS/SD7A2002 no. 571 of 25 November 2002 |  CE certification for electronic controls: 2014/30/UE and 2014/35/UE directives |  NF EN certification French and European standards NF EN 816 NF EN 1111 NF EN 15091 |  Certification ISO 9001: 2015 Quality Management System |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|



The NF mark - SANITARY FITTINGS

Certificate of product conformity
 - to the certification repository approved by CSTB and AFNOR
 - to the additional technical requirements demanded by the market.

The products shown here comply with the French and European standard EN 816: taps/valves with automatic shut-off. *Decision no. 341-M1-23/1 of 9 February 2023* pronounced after tests undertaken in the CSTB laboratory.

Taps with automatic shut-off

| Type of product | References | Acoustic class | Lap |
|-----------------|------------|----------------|-----|
| L01 Basin | 746000 | I | 7 |
| L02 A Basin | 745100 | I | 11 |

Mixers with automatic shut-off

| Type of product | References | Acoustic class | Lap |
|-----------------|------------|----------------|-----|
| M01 Shower | 790000 | II | 27 |
| M02 Basin | 795000 | I | 11 |

| | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|  www.europeanwaterlabel.eu European Water Label (EU) |  TMV3 (UK) |  WRAS (UK) |  STF (FI) |  WaterMark (AU) |  SVGW/SSIGE (CH) |
|  DIN-DVGW (DE) |  SINTEF (NOR) |  المواصفات السعودية SASO EFFICIENCY (KSA) |  ESMA (UAE) |  水務署 GA (HK) |  WATER EFFICIENCY LABELING SCHEME WELS (HK) |



WATER QUALITY: VARIOUS EUROPEAN MONITORING POLICIES

France, Germany, the United Kingdom and the majority of European countries, each has their own specific regulatory requirements for monitoring bacteria in water systems.

These regulations have a common premise (circulating loops, hot water temperatures, etc.) but they also have specific aspects that could provide inspiration for other countries.

In the majority of European countries **there is a legal obligation to safeguard the bacteriological quality of the water in the system by regular monitoring, sampling and analysis.** However, the methods, and subsequent follow-up action, differ.

In France, the search for **legionella** is obligatory. The Directive of 1st February 2010 identifies three levels of monitoring and sampling protocols. Since 1st January 2012, monitoring has been extended to all buildings open to the public. Germany has adopted the same threshold levels as France, while the United Kingdom is stricter: it conducts additional testing at levels over 100 Colony Forming Units per litre (CFU/L) and initiates curative procedures above 1,000 CFU/L.

The French Directive of the 30th December, 2022, requires certain priority buildings open to the public to conduct an assessment of the risks associated with their sanitary installations. The goal is to focus monitoring on the sensitive points identified during the risk assessment to improve the quality of water intended for human consumption. Emphasis is placed on the lead limit level (10 µg/l) and the presence of legionella.

Legionella testing must be carried out in compliance with the directive of the 1st February, 2010. The rules of this new directive have been applicable since the 1st January, 2023, for new buildings and by the 1st January, 2029, at the latest for existing ones.

Pseudomonas aeruginosa, considered the third largest cause of fatal nosocomial infections, is also being monitored. In France there aren't any regulations. Nevertheless, the technical guide "*Water in healthcare establishments*", drawn up in 2005 by a working group under the aegis of the Ministry of Health, mentions the monitoring levels for *Bacillus pyocaneus* (*Pseudomonas*).

This guide recommends quarterly checks of points where water is considered to be representative of the actual quality of distributed water. The *Department of Health and Social Care* (DHSC), Ministry of Health for the United Kingdom, has addressed the issue of tap and water system contamination by this bacteria.

The *Health Technical Memorandum* (HTM 04-01), updated in 2016, provides guidance on best practice for monitoring and testing for these two pathogens, and identifying the level of contamination in water, to ensure compliance with current regulations.

For *Pseudomonas aeruginosa*, action is initiated as soon as the alert level is reached, that is to say, above 1 CFU/100mL.

In Germany, in the framework of monitoring for *Pseudomonas aeruginosa*, hospitals and healthcare establishments must test twice a year. The satisfactory level is 0 CFU/100mL.

Remember that this bacteria which colonises the system from the interior of tap/mixer spouts, rapidly becomes entrenched. If no solution is put in place once *Pseudomonas aeruginosa* is established in a mixer or tap, it will progressively colonise the tails and pipework. At this stage it will be impossible to eradicate and will become a threat to the whole system.

4.1 million healthcare acquired infections in Europe of which **37,000** are fatal

47% of cases of legionnaires disease are in public or commercial places

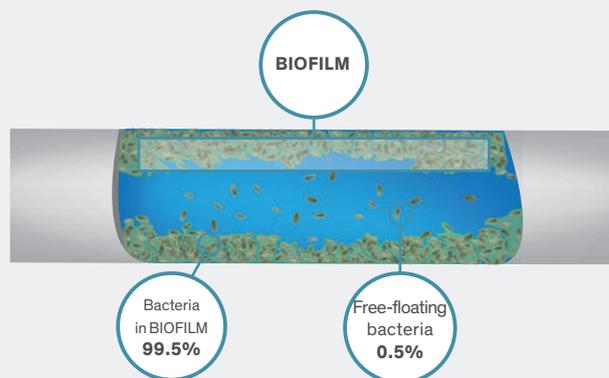


Regardless of the material of which the pipework and water controls are made, **biofilm** will form in all sanitary installations after a few weeks or months of operation.

This biofilm is the source of one third of nosocomial illnesses. According to the *National Institute for Health and Care Excellence* (NICE, 2023), it is estimated that 300,000 patients in England acquire a nosocomial infection as a result of care within the National Health Service.

The *European Centre for Disease Prevention and Control* (ECDC) calculates that healthcare-acquired infections affect 4.1 million patients every year and are responsible for 37,000 deaths annually.

Not forgetting that non-healthcare buildings that are open to the public are also at high risk. In effect, according to statistics by the *French Public Health Board*, 28% of Legionella cases identified in 2022 were linked to visits to hotels, tourist accommodation, campsites, swimming pools and sports stadia, compared to 11% linked to healthcare facilities (hospitals, retirement homes, etc.).



“Hotels, tourist accommodation, campsites, swimming pools, stadiums, etc. are equally high risk.”

EUROPEAN WATER QUALITY REGULATIONS



Stagnation prohibited

Regular flush

According to the French, German and English regulations, water stagnation (in sanitary installations and mixers and taps) is a key factor in bacterial contamination.

The **European standard EN 806-5** requires that those sections of the installation that are used infrequently should be flushed at regular intervals.

The recommended interval is once a week.

All public and commercial buildings are affected, in particular schools and council buildings during the school holidays, campsites out of season, unoccupied hospital rooms, etc.

The German Directive of April 2013, *Hygiene in Drinking Water Installations VDI/DVGW 6023*, requires purging to be carried out after 72 hours of stagnation in a sanitary installation (this also includes WC cisterns). Note that the water in the bypass is not sufficiently renewed. They are therefore prohibited. If an installation is not used for 72 hours, rigorous protocols are put in place. DELABIE sees this as a step forward and proposes technical solutions to meet this requirement (see *opposite: electronic controls*).

“**The German directive requires purging to be carried out after 72 hours of stagnation.**”



Bypass prohibited



Measuring pressure

Undersized pipework

The German regulation strictly prohibits oversized pipework because they promote bacterial growth by reducing the water velocity.

DELABIE, along the same lines, recommends slightly decreasing the diameter of the pipes to increase the water velocity to 2 m/sec. (likewise the French regulation (DTU) recommends 1.5 m/sec.).

This measure prevents the excessive development of biofilm and helps to reduce the risk of contamination without increasing noise levels.

“**Oversized pipes are strictly prohibited.**”



Measuring the temperature



Training relevant personnel

Training

Understanding the problems associated with bacterial growth in water systems helps to limit the risk of contamination.

Although French legislators have not yet focused on **training those responsible for the water system, it is embedded and pursued in Germany** (with three training levels, depending on the level of responsibility) **and in the United Kingdom** (with personnel competency and training programmes monitored by the *Water Safety Group*).

“**Training those responsible helps to control bacterial proliferation.**”

Circulating loops

A circulating loop up to the point-of-use is not recommended. It doubles the length of the pipework and therefore doubles the water volume. The biofilm surface is increased and, as a result, also the risk of bacterial development. Moreover, it makes it difficult to maintain high temperatures at all points in the circulating loop.

Finally, it also makes it difficult to keep the pipe run volume to less than the 3 litres recommended by European directives. Indeed, if the water temperature in a circulating loop is less than 50°C or 55°C (depending on the country), the water volume in the circulating loop must be included in the 3 litre maximum calculation.

“**A circulating loop up to the point-of-use is not recommended.**”

Building Management Systems

Contrary to popular belief, Building Management Systems are not recommended by European directives as they can be complicated, difficult to handle and extremely costly and do not take away liability if a problem occurs.

DELABIE'S SPECIFIC ADVANTAGES

DELABIE is particularly concerned with the fight against, and prevention of, bacterial development. The company is constantly developing new products with unique features.

Electronic controls

DELABIE's models are programmed with a periodic duty flush.

An **automatic flush** takes place every 24 hours after the last use, to prevent water stagnation and, therefore, bacterial proliferation.

Similarly, DELABIE has developed a **reduced-stagnation solenoid valve (patented)**.

Unlike all other available models which have areas of permanent water stagnation, the water is completely renewed inside DELABIE's solenoid valve.

For more information see page 19.

Thanks to these characteristics, DELABIE's electronic controls are the only ones to guarantee a regular and complete renewal of the water in all the internal parts, avoiding any risk of bacterial proliferation. They are therefore the only ones which comply with the European standard EN 806-5.



Reduced-stagnation solenoid valve

DELABIE's electronic controls are unique in being able to guarantee a **regular and complete renewal of the water** in all the internal parts.

Required by the standard EN 806-5

Thermostatic mixing valves

To reduce the risk of bacterial development (legionella etc.), public and commercial buildings should distribute hot water at temperatures of at least 50°C (55°C in healthcare facilities). To reduce the risk of scalding, all DELABIE's thermostatic mixing valves are fitted with **special safety devices**.

They are supplied with a maximum temperature limiter pre-set at the factory.

The PREMIX range of group thermostatic mixing valves allows the facilities manager to maintain temperatures that comply with the regulations while ensuring user safety.

For more information see page 143.

Scalding can also be prevented at the point-of-use itself thanks to the SECURITHERM range of mixers and shower panels.

PREMIX and SECURITHERM thermostatic mixers ensure that the hot water supply shuts off if the cold water supply fails.

Direct flush WC systems with no cistern

The insides of toilet cisterns are covered in biofilm. The large surface area of cisterns, plus water stagnation, make the cistern a major risk factor for the proliferation of bacteria; they can spread in sanitary installations.

By removing the need for toilet cisterns, DELABIE's direct flush systems eliminate the risk of bacterial proliferation.

For more information see page 193.

WC flush system with no cistern

- ▶ no water stagnation
- ▶ no bacterial development



TEMPOMATIC MIX 4
Automatic duty flush
Reduced-stagnation solenoid valve



PREMIX
Maintains the temperature in the system
Anti-scalding safety



TEMPOFLUX 3
Direct flush with no cistern



Basins

ELECTRONIC
CONTROLS
19



TIME FLOW
CONTROLS
47



HANDS-FREE
CONTROLS
65



FITTINGS FOR
WATER FOUNTAINS
AND HAND
WASHBASINS
66



ADDITIONAL
FITTINGS
68





HYGIENE AND CONTROLLING BACTERIAL PROLIFERATION

Opens/closes automatically, with no manual contact

Electronic mixers and taps are operated by active infrared detection. Flow opens when the detector senses hands and shuts off automatically when hands are removed from the detection zone.

No manual contact prevents the spread of germs by hand.

Anti-bacterial duty flush programme

If a mixer or tap is not used for prolonged periods of time, water stagnates in the pipework, which favours the development of bacteria (e.g. isolated points-of-use, facilities closed during holidays, etc.). DELABIE's electronic mixers and taps have a duty flush programme.

An automatic flush takes place for approximately 60 seconds every 24 hours after the last use (programmable on some models).

Reduced-stagnation solenoid valve

Most solenoid valves are fitted with a rubber membrane behind which water stagnates and is not renewed. This can lead to bacterial proliferation.

DELABIE has developed a technology without a membrane (patented system).

With this piston-operated solenoid valve, water is drained and renewed with every use which reduces bacterial development.

The solenoid valve's self-cleaning system with a calibrated groove reduces the build-up of dirt. Furthermore, its slow closure eliminates water-hammer.

Hygienic flow straightener

Unlike conventional aerators, DELABIE's flow straighteners are specially made from Hostaform®, a material that is highly scale-resistant (build-up of scale is 10 times slower).

They minimise water retention and the build-up of dirt, and prevent the spread of germs.

PEX flexible hoses

These flexible hoses will withstand the thermal and chemical shocks undertaken in public and commercial buildings for preventative or curative treatments against the development of bacteria.

90% WATER AND ENERGY SAVINGS

Water savings

Compared to conventional mixers and taps, DELABIE's electronic mixers and taps can offer maximum water savings. They ensure the manager's water bills can be reduced whilst preserving user comfort.

- **Automatic shut-off and split delivery**
The mixer or tap shuts off automatically when hands are removed from the detection zone.

This removes the risk of waste through negligence. The anti-blocking security activates to prevent the mixer or tap from flowing continuously. The flow time is reduced to the necessary minimum (wetting, rinsing).

- **Flow rate regulated at 3 lpm**
DELABIE's electronic mixers and taps are regulated at 3 lpm. The flow rate remains constant regardless of pressure variations in the system. The flow rate can be adjusted from 1.4 (see environmental labels) to 6 lpm.

Energy savings

The electronic mixers and taps do not require much energy to operate. DELABIE has chosen infrared active pulse technology, for its battery-operated models, a low-power consumption solution.

The infrared beam is emitted intermittently, saving energy while ensuring effective detection. Battery-operated models have an average lifespan of 350,000 cycles (i.e. 3 to 6 years) depending on the frequency of use.

The Lithium batteries are widely available, affordable and recyclable.

The significant hot water savings provided by DELABIE's mixers and taps also result in energy savings.

Environmental labels

The water and energy saving performance of DELABIE's electronic mixers and taps means that the buildings achieve the highest performance standards for international rating schemes such as LEED, BREEAM or HQE.

For more information see page 8.



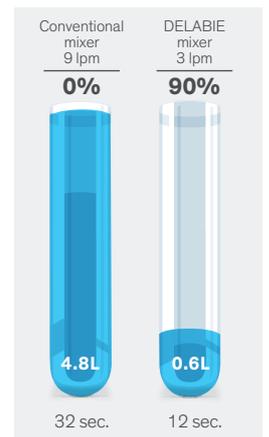
Hygiene and controlling bacterial proliferation



Reduced-stagnation solenoid valve



No manual contact



Water savings per use

COMPARISONS OF WATER CONSUMPTION

Comparison between a conventional mixer and a DELABIE electronic mixer

| Flow rate | Wetting | Soaping | Rinsing | Water consumption |
|-----------|---------|---------|---------|------------------------|
| 9L | 5 sec. | 20 sec. | 7 sec. | 4.8L 32 sec. |
| 3L | 5 sec. | 7 sec. | 7 sec. | 0.6L 12 sec. |



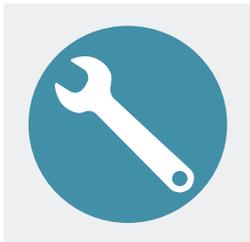
Vandal-resistant



Reinforced fixing



Diagnostic LED



Simple to maintain



SPECIFICALLY DESIGNED FOR COMMERCIAL ENVIRONMENTS

Resistant to intensive use and vandalism

DELABIE's electronic mixers and taps are specifically designed to withstand intensive use as well as voluntary and involuntary vandalism.

The mixer and tap bodies are made from chrome-plated metal, fitted with **shock-resistant** mechanisms and sensors. The **reinforced fixings** will stand up to intensive use.

Streamlined designs prevent unwanted removal. To prevent abuse and waste, all models are fitted with a system to avoid blocking during flow. For areas that require tamperproof installations, there are recessed and cross wall versions which have mechanisms that cannot be accessed by the user.

Easy to install

DELABIE's products are **easy to install** and **adjustments are kept to a minimum** in order to save time during installation.

• Independent electronic control unit: BINOPTIC, TEMPOMATIC, TEMPOMATIC 2 and PRO models

Depending on the model, there is an option to adjust the presence detection distance, to change the operating mode (ON/OFF or automatic) and change the duty flush settings.

The battery-operated models work autonomously for 3 to 6 years.

The electronic control units are waterproof (IP65) with diagnostic LEDs to facilitate servicing.

• Electronic unit and solenoid valve integrated in the body of the mixer/tap*: BINOPTIC 2, TEMPOMATIC 4 and 5 models Can be installed on any isolated point-of-use, for new builds as well as renovation.

- 6V Lithium batteries*:

There are no electrical connections required. Simply connect the flexibles to the supply pipes in the same way as for a conventional mixer/tap. No special adjustment is necessary, the mixer/tap is ready to operate independently for 3 to 6 years. A red LED will flash for 15 days to indicate that the battery life is low. The batteries can be changed without shutting off the water supply or removing the mixer/tap.

The batteries are directly accessed through the head of the tap (TEMPOMATIC 4) or via a battery pack attached to the flexibles (BINOPTIC 2 and TEMPOMATIC 5).

- 230/6V mains supply (plug in or recessed)*:

To operate, simply connect the flexibles to the supply pipes and connect the electrical supply to the mixer/tap via a plug and socket or recessed connection close to the basin.

This does not require any specific maintenance (no battery changes).

* Depending on model

Reliable presence detection

DELABIE has chosen the most reliable detection system: **infrared active pulse**. It cannot be adjusted or affected by variations in light levels. On models with a sensor at the end of the spout, the infrared beam **adapts automatically**, to ensure that the hands are detected in any position.

To ensure ideal presence detection DELABIE has incorporated a telemetric laser cell into certain models.

Minimal servicing and simple to maintain

The **scale-resistant** solutions (flow straighteners, mechanisms) and the filters ensure minimal servicing. Maintenance is easier. The **spare parts** are **standardised** to ensure quick and easy replacement by maintenance staff.

The electronic control units are fitted with LEDs to **aid diagnostic** checks, and **access** to the components (batteries, solenoid valve) is **direct**, without having to remove the mixer/tap.

Technical characteristics

| | |
|--------------------------------------------------------------|--------------------------------------------------------------------------------|
| Operating pressure | 1 - 5 bar, 3 bar recommended |
| Pressure differential CW / HW | $\Delta P < 1$ bar |
| Electrical supply* | 230V / 50 Hz class II (without earth connection) |
| Electronic unit* | Independent waterproof IP65 |
| 6V Lithium battery* | CR123 standard batteries Average lifespan ~350,000 cycles or 3 - 6 years |
| Duty flush programme can be adjusted* | 60 seconds 12 or 24 hours after last use (or OFF) |
| Automatic shut-off in event of negligence | Prevents blocking in the open position |
| Temperature limiter | Can be adjusted |
| HW supply | 55°C max |
| Recommended installation height for wall-mounted mixers/taps | 110 - 200mm above base of bowl |
| CE | Complies with European directives CEM 2014/30/UE and BT 2014/35/UE |

* Depending on model

30-year warranty against any manufacturing defects. **50 years repairability.**

DESIGN

DELABIE's products, known for their endurance and reliability, have a timeless design. The diversity of the product range fits in perfectly with any commercial installation.

In an office building or a shopping centre it is paramount that the product design fits in with its surroundings. Aesthetic products are subject to less vandalism as they are better respected. The smooth shape of the mixers and taps reduces the build-up of dirt and facilitates cleaning. Easy but secure access to the control mechanisms ensures easy maintenance.

SENSOR AT THE END OF THE SPOUT
Hands can be detected in any position

6V LITHIUM BATTERIES
Average lifespan 3 - 6 years (~350,000 cycles)
Replace without removing the mixer/tap
or shutting off the water

REDUCED-STAGNATION SOLENOID VALVE (patented)
Reduces build-up of dirt
and bacterial development
Slow closure with no water hammer

**INTEGRATED ELECTRONIC UNIT
PROTECTED BY A WATERPROOF CAP**
Easy to maintain

**DIRECT ACCESS TO BATTERIES
AND SOLENOID VALVE**
Easy to maintain

**MAXIMUM TEMPERATURE
LIMITER CAN BE ADJUSTED**
Anti-scalding safety

**SCALE-RESISTANT
FLOW STRAIGHTENER**
Minimal servicing

ADJUSTABLE 3 LPM FLOW RATE
Water savings

**PROGRESSIVE TEMPERATURE
CONTROL LEVER**
Improved comfort

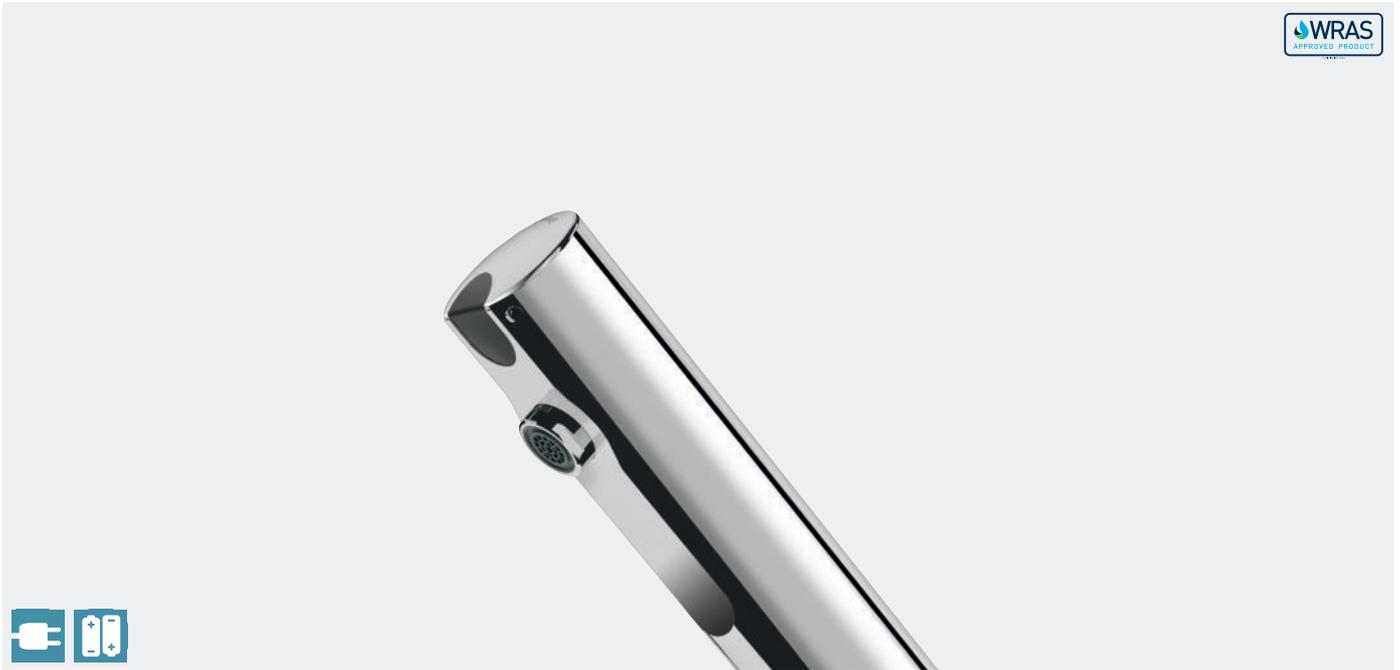




- **Water savings:** 90%
- **Hygiene:** no manual contact, reduced-stagnation solenoid valve, anti-bacterial duty flush
- **Easy to install:** electronic system integrated into the body of the tap
- **Easy to replace the batteries:** after 3 - 6 years, without removing the tap or shutting off the water supply

TEMPOMATIC 4

Deck-mounted electronic basin tap/mixer



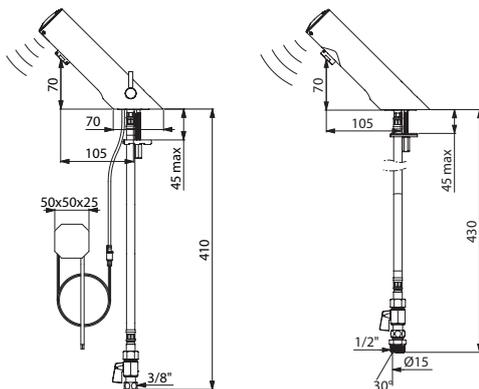
- **230/6V mains supply or integrated CR123 6V Lithium batteries.**
- **Reduced-stagnation solenoid valve and electronic unit integrated** into the body of the mixer.
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Duty flush** (~60 seconds every 24 hours after last use).
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- Chrome-plated stainless steel body.
- Cap fixed in place by 2 concealed screws.
- PEX flexibles with filters and non-return valves.
- Fixing reinforced by 2 stainless steel rods.
- Anti-blocking security.
- Side temperature control with adjustable maximum temperature limiter on mixers.
- Suitable for people with reduced mobility.
- 30-year warranty.



Standard lever



Long lever



490000

44000615

| | F $\frac{3}{8}$ " with stopcock | F $\frac{3}{8}$ " without stopcock | F $\frac{3}{8}$ " DZR-LEAD FREE | Ø15mm for comp. fittings (UK/Ireland) |
|-------------------------------|---------------------------------|------------------------------------|---------------------------------|---------------------------------------|
| TEMPOMATIC MIX 4 mixer | | | | |
| Recessed mains supply | 490000 | 490100 | 490100AS | 49000015 |
| Plug-in mains supply | 490001 | 490101 | - | 49000115 |
| 6V Lithium battery-operated | 490006 | 490106 | 490106AS | 49000615 |
| TEMPOMATIC 4 tap | | | | |
| Recessed mains supply | 440000 | 440100 | 440100AS | 44000015 |
| Plug-in mains supply | - | 440101 | - | - |
| 6V Lithium battery-operated | 440006 | 440106 | 440106AS | 44000615 |

We recommend installing a TMV for taps (see page 143)

Option: for long lever, please add "LH" after the reference, matching soap dispenser (see page 71)

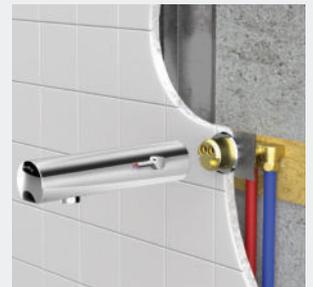


Recessed water inlets

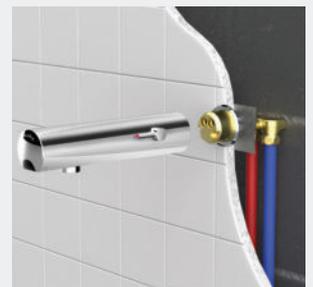
3 installation options



Recessed in concrete



Plasterboard rails



Solid walls

Cross wall

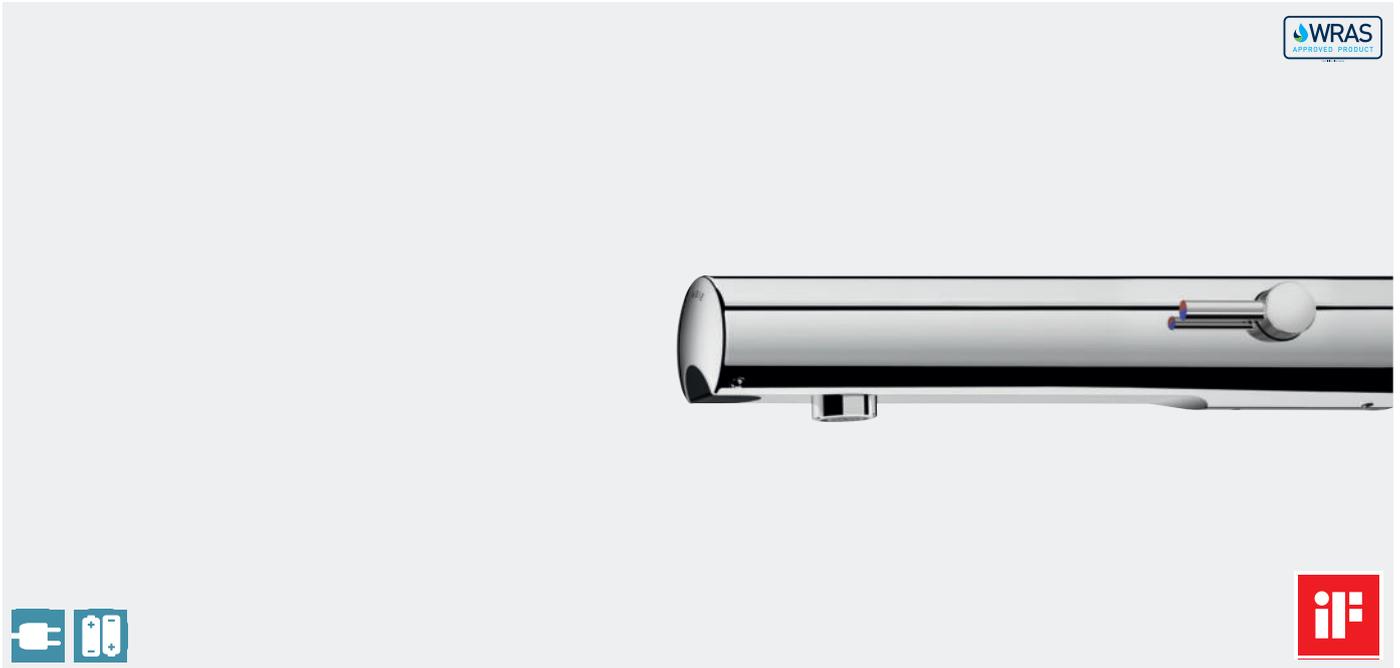




- **Water savings:** 90%
- **Hygiene:** no manual contact, reduced-stagnation solenoid valve, anti-bacterial duty flush
- **Easy to install:** electronic system integrated into the body of the mixer/tap
- **Easy to replace the batteries:** after 3 - 6 years, without removing the mixer/tap or shutting off the water supply

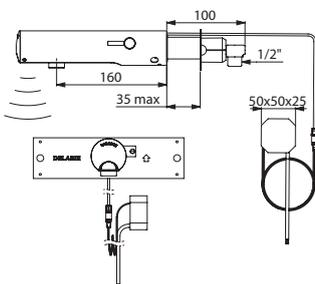
TEMPOMATIC 4

Wall-mounted electronic basin tap/mixer

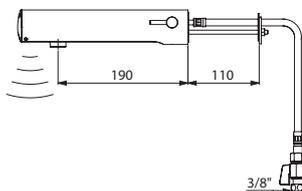


- **230/6V mains supply or battery-operated with integrated CR123 6V Lithium batteries.**
- **Reduced-stagnation solenoid valve and electronic unit integrated** into the body of the mixer.
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Duty flush** (~60 seconds every 24 hours after last use).
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- Chrome-plated stainless steel body.
- Cap fixed in place by 2 concealed screws.
- Compact nanny joint (for mixers with recessed water inlet).
- Stopcocks.
- Anti-blocking security.
- Side temperature control with adjustable maximum temperature limiter on mixers.
- Suitable for people with reduced mobility.
- 30-year warranty.

| TEMPOMATIC MIX 4 wall-mounted mixer | |
|----------------------------------------------|-----------------|
| Recessed mains supply | |
| Kit 1: Nanny joint for recessed water inlet | 484012 |
| Kit 2: Wall-mounted mixer L. 160 mm | + 493400 |
| Kit 1: Nanny joint for recessed water inlet | 484012 |
| Kit 2: Wall-mounted mixer L. 220 mm | + 493500 |
| Cross wall L. 190mm | 493510 |
| Battery-operated | |
| Kit 1: Nanny joint for recessed water inlet | 484612 |
| Kit 2: Wall-mounted mixer L. 160 mm | + 493406 |
| Kit 1: Nanny joint for recessed water inlet | 484612 |
| Kit 2: Wall-mounted mixer L. 220 mm | + 493506 |
| Cross wall L. 190mm | 493516 |
| TEMPOMATIC 4 wall-mounted tap | |
| Recessed mains supply | |
| Wall-mounted L. 130mm (recessed water inlet) | 443400 |
| Wall-mounted L. 190mm (recessed water inlet) | 443500 |
| Cross wall L. 130mm | 443410 |
| Cross wall L. 190mm | 443510 |
| Battery-operated | |
| Wall-mounted L. 130mm (recessed water inlet) | 443406 |
| Wall-mounted L. 190mm (recessed water inlet) | 443506 |
| Cross wall L. 130mm | 443416 |
| Cross wall L. 190mm | 443516 |
| Panel-mounted ≤ 24mm or solid walls L. 130mm | 443426 |
| Panel-mounted ≤ 24mm or solid walls L. 190mm | 443526 |
| L. 130mm for refit | 443436 |
| L. 190mm for refit | 443536 |



484012 + 493400



493516

We recommend installing a TMV for taps (see page 143)





- **Water savings:** 90%
- **Hygiene:** no manual contact, anti-bacterial duty flush, spout with smooth interior and low water volume, reduced-stagnation solenoid valve
- **Simplified installation and maintenance:** LED diagnostic tool, set manually or using application via Bluetooth®

BINOPTIC 2

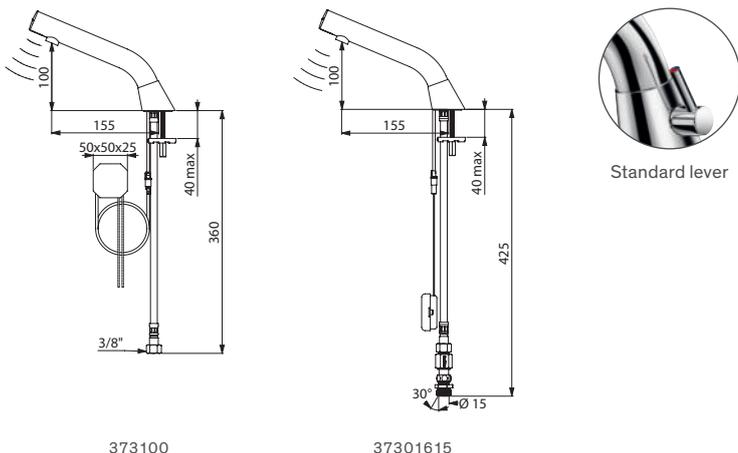
Deck-mounted electronic basin tap/mixer



- **230/6V mains supply or CR123 6V Lithium batteries.**
- **Reduced-stagnation solenoid valve and electronic unit are integrated** into the body of the tap/mixer.
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Scale-resistant aerator.**
- **Adjustable duty flush** (pre-set flush ~60 seconds every 24 hours after last use).
- **Stainless steel tap/mixer, height 100mm for recessed washbasins.**
- Sensor at the end of the spout optimises detection.
- PEX flexibles with filters and non-return valves.
- Fixing reinforced by 2 stainless steel rods.
- Anti-blocking security.
- **Spout with smooth interior** and low water volume (reduces bacterial development).
- Side temperature control with adjustable maximum temperature limiter on mixers.
- Manually set the presence detection distance, duty flush and thermal shocks (see page 35).
- **Bluetooth® version is available:** advanced settings and operational data download with the **DELABIE Connect application** (see page 34).
- Suitable for people with reduced mobility.
- 30-year warranty.

Provisional availability 1st half 2025. Please contact the sales office to check availability.

| | F $\frac{3}{8}$ " | Ø15mm for comp. fittings (UK/Ireland) |
|-----------------------------------------------------|-------------------|---------------------------------------|
| BINOPTIC 2 electronic tap/mixer height 100mm | | |
| Satin finish | | |
| Mixer - Mains supply | 473100 | 47300015 |
| Mixer - Battery-operated | 473106 | 47300615 |
| Tap - Mains supply | 373100 | 37300015 |
| Tap - Battery-operated | 373106 | 37300615 |
| Chrome-plated finish | | |
| Mixer - Mains supply | 473110 | 47301015 |
| Mixer Bluetooth® Connect series Mains supply | 473110E | - |
| Mixer - Battery-operated | 473116 | 47301615 |
| Tap - Mains supply | 373110 | 37301015 |
| Tap Bluetooth® Connect series Mains supply | 373110E | - |
| Tap - Battery-operated | 373116 | 37301615 |
| Matte black chrome finish | | |
| Mixer - Mains supply | 473130 | 47303015 |
| Mixer - Battery-operated | 473136 | 47303615 |
| Tap - Mains supply | 373130 | 37303015 |
| Tap - Battery-operated | 373136 | 37303615 |
| Stopcocks | | |
| Stopcock MF $\frac{3}{8}$ " L. 45mm - 1 item | | 825212 |
| Stopcocks MF $\frac{3}{8}$ " L. 45mm - 2 items | | 825212.2P |



373100

37301615





- **Water savings:** 90%
- **Hygiene:** no manual contact, anti-bacterial duty flush, spout with smooth interior and low water volume, reduced-stagnation solenoid valve
- **Simplified installation and maintenance:** LED diagnostic tool, set manually or using application via Bluetooth®

BINOPTIC 2

Deck-mounted electronic basin tap/mixer

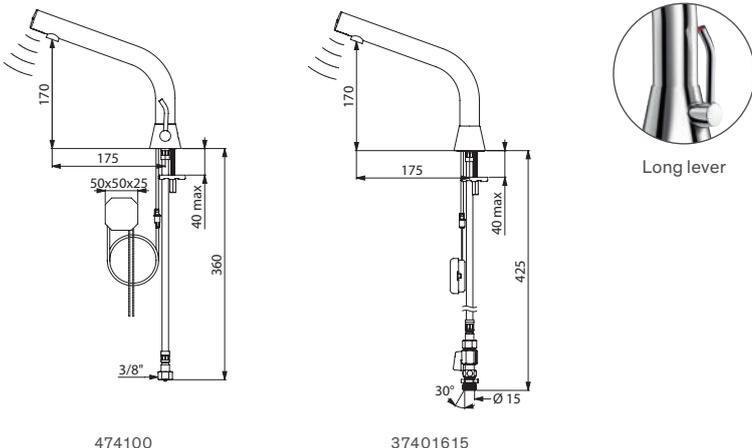


- **230/6V mains supply or CR123 6V Lithium batteries.**
- **Reduced-stagnation solenoid valve and electronic unit are integrated** into the body of the tap/mixer.
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Scale-resistant aerator.**
- **Adjustable duty flush** (pre-set flush ~60 seconds every 24 hours after last use).
- **Stainless steel tap/mixer, height 170mm for semi-recessed washbasins.**
- Sensor at the end of the spout optimises detection.
- PEX flexibles with filters and non-return valves.
- Fixing reinforced by 2 stainless steel rods.
- Anti-blocking security.
- **Spout with smooth interior** and low water volume (reduces bacterial development).
- Side temperature control with adjustable maximum temperature limiter on mixers.
- Manually set the presence detection distance, duty flush and thermal shocks (see page 35).
- **Bluetooth® version is available:** advanced settings and operational data download with the **DELABIE Connect application** (see page 34).
- Suitable for people with reduced mobility.
- 30-year warranty.

Provisional availability 1st half 2025. Please contact the sales office to check availability.

| | F $\frac{3}{8}$ " | Ø15mm for comp. fittings (UK/Ireland) |
|------------------------------------------------|-------------------|---------------------------------------|
| BINOPTIC 2 tap/mixer height 170mm | | |
| Satin finish | | |
| Mixer - Mains supply | 474100 | 47400015 |
| Mixer - Battery-operated | 474106 | 47400615 |
| Tap - Mains supply | 374100 | 37400015 |
| Tap - Battery-operated | 374106 | 37400615 |
| Chrome-plated finish | | |
| Mixer - Mains supply | 474110 | 47401015 |
| Mixer Bluetooth® Connect series Mains supply | 474110E | - |
| Mixer - Battery-operated | 474116 | 47401615 |
| Tap - Mains supply | 374110 | 37401015 |
| Tap Bluetooth® Connect series Mains supply | 374110E | - |
| Tap - Battery-operated | 374116 | 37401615 |
| Matte black chrome finish | | |
| Mixer - Mains supply | 474130 | 47403015 |
| Mixer - Battery-operated | 474136 | 47403615 |
| Tap - Mains supply | 374130 | 37403015 |
| Tap - Battery-operated | 374136 | 37403615 |
| Stopcocks | | |
| Stopcock MF $\frac{3}{8}$ " L. 45mm - 1 item | | 825212 |
| Stopcocks MF $\frac{3}{8}$ " L. 45mm - 2 items | | 825212.2P |

We recommend installing a TMV for taps (see page 143)





BLACK BINOPTIC 2 matte black electronic basin tap 375130 - ALGUI countertop washbasin 120110BK - SPEEDJET 2 air pulse hand dryer 510624B



- **Water savings:** 90%
- **Hygiene:** no manual contact, anti-bacterial duty flush, spout with smooth interior and low water volume, reduced-stagnation solenoid valve
- **Simplified installation and maintenance:** LED diagnostic tool, set manually or using application via Bluetooth®

BINOPTIC 2

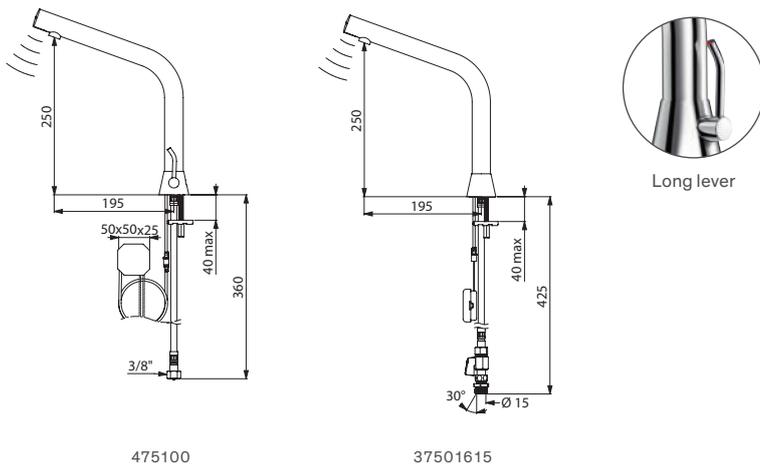
Deck-mounted electronic basin tap/mixer



- **230/6V mains supply or CR123 6V Lithium batteries.**
- **Reduced-stagnation solenoid valve and electronic unit are integrated** into the body of the tap/mixer.
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Scale-resistant aerator.**
- **Adjustable duty flush** (pre-set flush ~60 seconds every 24 hours after last use).
- **Stainless steel tap/mixer, height 250mm for countertop washbasins.**
- Sensor at the end of the spout optimises detection.
- PEX flexibles with filters and non-return valves.
- Fixing reinforced by 2 stainless steel rods.
- Anti-blocking security.
- **Spout with smooth interior** and low water volume (reduces bacterial development).
- Side temperature control with adjustable maximum temperature limiter on mixers.
- Manually set the presence detection distance, duty flush and thermal shocks (see page 35).
- **Bluetooth® version is available:** advanced settings and operational data download with the **DELABIE Connect application** (see page 34).
- Suitable for people with reduced mobility.
- 30-year warranty.

*Provisional availability 1st half 2025.
Please contact the sales office to check availability.*

| | F $\frac{3}{8}$ " | Ø15mm for comp. fittings (UK/Ireland) |
|------------------------------------------------|-------------------|---------------------------------------|
| BINOPTIC 2 tap/mixer height 250mm | | |
| Satin finish | | |
| Mixer - Mains supply | 475100 | 47500015 |
| Mixer - Battery-operated | 475106 | 47500615 |
| Tap - Mains supply | 375100 | 37500015 |
| Tap - Battery-operated | 375106 | 37500615 |
| Chrome-plated finish | | |
| Mixer - Mains supply | 475110 | 47501015 |
| Mixer Bluetooth® Connect series Mains supply | 475110E | - |
| Mixer - Battery-operated | 475116 | 47501615 |
| Tap - Mains supply | 375110 | 37501015 |
| Tap Bluetooth® Connect series Mains supply | 375110E | - |
| Tap - Battery-operated | 375116 | 37501615 |
| Matte black chrome finish | | |
| Mixer - Mains supply | 475130 | 47503015 |
| Mixer - Battery-operated | 475136 | 47503615 |
| Tap - Mains supply | 375130 | 37503015 |
| Tap - Battery-operated | 375136 | 37503615 |
| Stopcocks | | |
| Stopcock MF $\frac{3}{8}$ " L. 45mm - 1 item | | 825212 |
| Stopcocks MF $\frac{3}{8}$ " L. 45mm - 2 items | | 825212.2P |



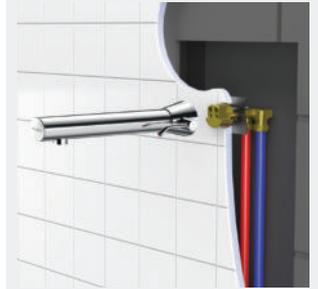
We recommend installing a TMV for taps (see page 143)

BASINS



Recessed water inlets

3 installation options



Recessed in concrete



Plasterboard rails



Solid walls

Cross wall

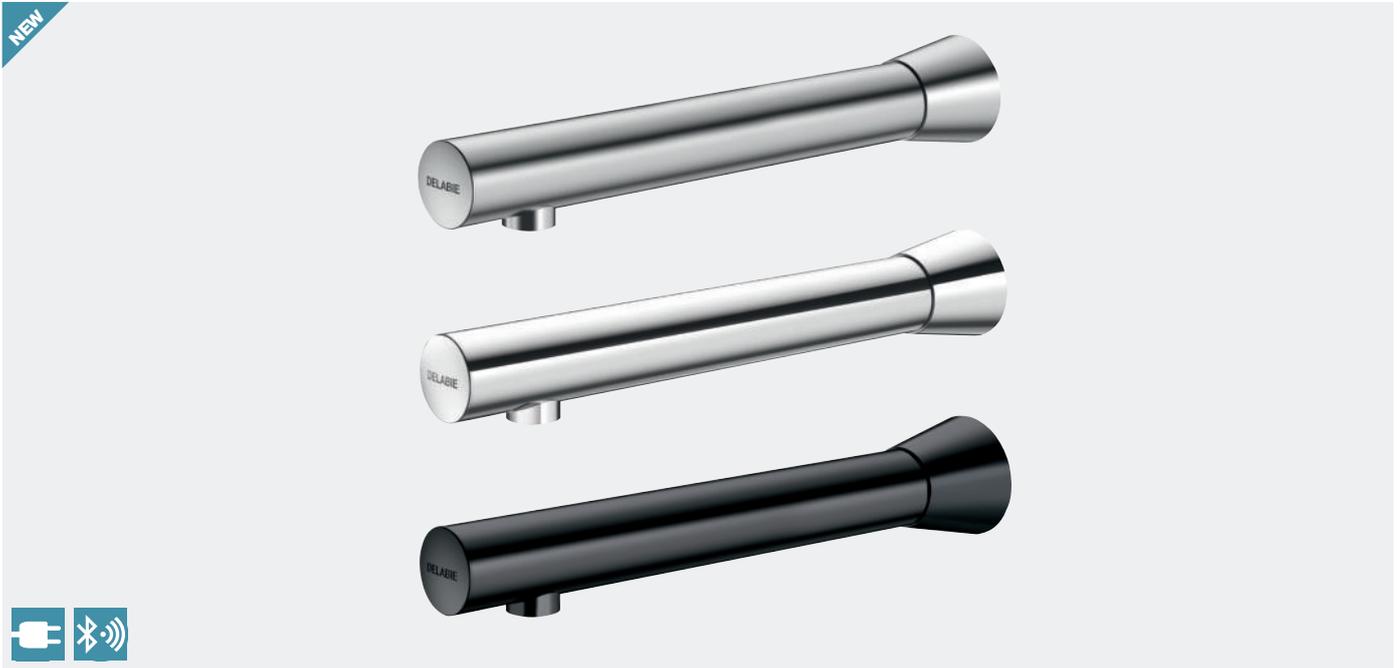




- **Water savings:** 90%
- **Hygiene:** no manual contact, anti-bacterial duty flush, spout with smooth interior and low water volume, reduced-stagnation solenoid valve
- **Simplified installation and maintenance:** LED diagnostic tool, set manually or using application via Bluetooth®

BINOPTIC 2

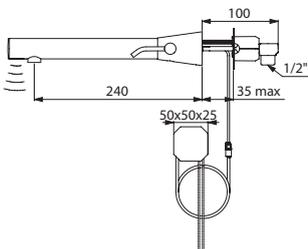
Wall-mounted electronic tap/mixer



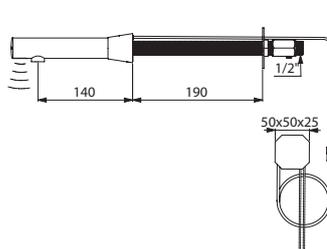
- 230/6V mains supply.
- **Reduced-stagnation solenoid valve and electronic unit are integrated** into the body of the tap/mixer.
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Scale-resistant aerator.**
- **Adjustable duty flush** (pre-set flush ~60 seconds every 24 hours after last use).
- **Wall-mounted stainless steel tap/mixer.**
- Compact nanny joint (for mixers with recessed water inlet).
- Active presence detection, sensor at the end of the spout optimises detection.
- Anti-blocking security.
- **Spout with smooth interior** and low water volume (reduces bacterial development).
- Side temperature control with adjustable maximum temperature limiter on mixers.
- Manually set the presence detection distance, duty flush and thermal shocks (see page 35).
- **Bluetooth® version is available:** advanced settings and operational data download with the **DELABIE Connect application** (see page 34).
- Suitable for people with reduced mobility.
- 30-year warranty.



Long lever



484012 + 484000



381010

Provisional availability 1st half 2025.
Please contact the sales office to check availability.

| | 1/2" | Ø15mm for comp. fittings (UK/Ireland) |
|----------------------------------------------------------------------|-----------|---------------------------------------|
| BINOPTIC 2 wall-mounted tap/mixer | | |
| Satin finish | | |
| Kit 1: Nanny joint for recessed water inlet | 484012 | - |
| Kit 2: Mixer L. 240mm with stopcocks | + 484000 | - |
| Tap L. 220mm without stopcock - Recessed | 384100 | - |
| Tap L. 140mm with stopcock - For thin panels | 383000 | - |
| Chrome-plated finish | | |
| Kit 1: Nanny joint for recessed water inlet | 484012 | - |
| Kit 2: Mixer L. 240mm with stopcocks | + 484010 | - |
| Kit 1: Nanny joint for recessed water inlet | 484012 | - |
| Kit 2: Mixer Bluetooth® Connect series L. 240mm with stopcocks | + 484010E | - |
| Mixer L. 220mm with stopcocks For cross wall installation | 482010 | 48201015 |
| Tap L. 220mm without stopcock - Recessed | 384110 | - |
| Tap Bluetooth® Connect series L. 220mm - without stopcock - Recessed | 384110E | - |
| Tap L. 140mm with stopcock - For thin panels | 383010 | - |
| Tap L. 140mm with stopcock For cross wall installation | 381010 | 38101015 |
| Tap L. 220mm with stopcock For cross wall installation | 382010 | 38201015 |
| Matte black chrome finish | | |
| Mixer L. 220mm with stopcocks For cross wall installation | 482030 | 48203015 |
| Tap L. 220mm without stopcock - Recessed | 384130 | - |
| Stopcocks | | |
| Stopcock MF ³ / ₈ " L. 45mm - 1 unit | | 825212 |
| Stopcocks MF ³ / ₈ " L. 45mm - 2 units | | 825212.2P |

We recommend installing a TMV for taps (see page 143)
Option: matching soap dispenser (see page 71)

THE NEW BINOPTIC: A PREMIUM CONNECTED TAP

DELABIE Connect App

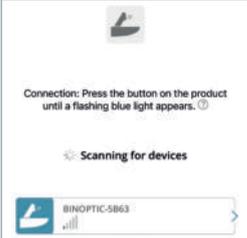
The BINOPTIC 2 can be adjusted using the app or manually directly on the tap.

With the DELABIE Connect app, configuring the BINOPTIC 2 Bluetooth® is quick and easy using a smartphone or tablet:

- Simple adjustment of the settings.
- Download usage statistics.
- Copy selected settings from one tap to another.
- Technical support.



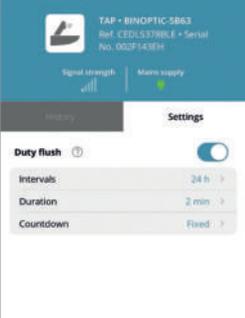
To activate Bluetooth®: press and hold the button with an allen key until the blue light appears. The blue LED will flash.



The app automatically recognises installed taps and suggests available settings.

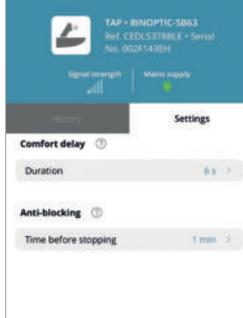
CHANGING SETTINGS:

At DELABIE quick and easy installation is a priority. Setting taps can take up significant amount of time during installation. The settings in the app are, therefore, simple and intuitive.



A **duty flush** is a purge of the pipework in order to prevent the development of bacteria. It is possible to choose:

- The intervals between flushes (every 12 or 24 hours) or to completely turn off the function
- The length of rinse
- If the flush will take place at a fixed time or at fixed intervals after the tap was last used



The **comfort timing** (tap shut-off delay once hands or body are removed from in front the infrared sensor) can also be adjusted.

The **anti-blocking security** stops water flowing automatically when an object is left in front of the sensor. This prevents water wastage or vandalism. Its activation time can be set.



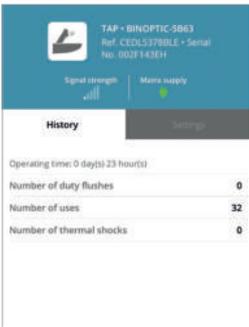
The **detection distance** can be set by adjusting the sensitivity of the sensor to the washroom surroundings (position, washbasin height, etc.).

Thermal shocks (circulation of high temperature hot water in the pipework in order to eliminate bacteria) or **chemical shocks** (injection of disinfectant in the pipework) can be launched remotely. The duration of the flush can be set. This function is secure: the tap will stop immediately if a user is detected.



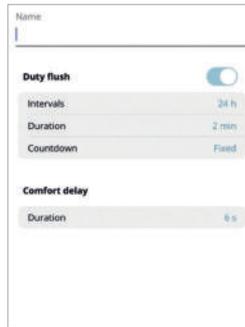
BINOPTIC MIX 2 Bluetooth® electronic mixer ref. 473110E

DOWNLOAD OPERATION HISTORY



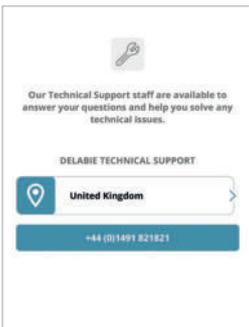
With the DELABIE Connect app, it is also possible to get **usage statistics** for the tap: like total uses, total number of duty flushes carried out and their length, or even the total number of thermal shocks carried out. This report can be sent by email.

MEMORY AND COPY SETTINGS FEATURE



The "copy-paste" feature allows selected settings to be saved in the app and copied to other taps. A sure way to save time when installing.

TECHNICAL SUPPORT



If required, **diagnostics can be managed remotely** by DELABIE Technical Support. A report of usage and settings can be sent by email.



Wall-mounted BINOPTIC MIX 2 Bluetooth® electronic mixer ref. 484010E

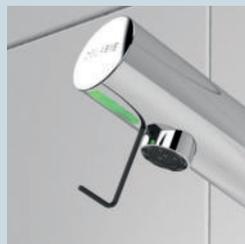
No Smartphone, no problem!

Using a smartphone and the DELABIE app isn't essential for making the main adjustments. These settings can also be made directly on taps. Just insert a 1.5mm Allen key in the small hole designed for adjustments and change the settings by pressing the button.



Thermal shock (red LED)

The tap begins a 10, 20 or 30 minute flush to carry out a thermal shock. This flush can be stopped by the user by pressing the button or by passing a hand in front of the sensor, to prevent any risk of scalding.



Duty flush (green LED)

The duty flush is set to activate 24 hours after the tap was last used. It can be modified to 12 hours or turned off.



Detection range (white LED)

The infrared sensor range can be adjusted to suit all configurations.





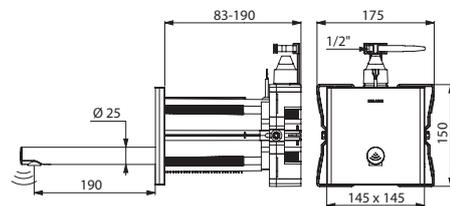
- **Water savings:** 90%
- **Hygiene:** no manual contact, reduced-stagnation solenoid valve, anti-bacterial duty flush
- **Easy to install:** modular and adjustable waterproof housing (for walls and finishes)
- **Vandal-resistant:** recessed installation, concealed fixings

BINOPTIC 2

Recessed electronic basin tap



- **Battery-operated** with CR123 6V Lithium batteries or 230/6V mains supply (cable and transformer supplied).
- **Stainless steel wall plate 145 × 145mm with integrated electronics.**
- **Recessed waterproof housing:**
 - Collar with waterproof seal.
 - Hydraulic connection from the outside and maintenance from the front.
 - Modular installation (rails, solid walls, panels).
 - Compatible with wall finishes from 10 to 120mm (while maintaining the minimum recessing depth of 83mm).
 - Suitable for standard or "pipe-in-pipe" supply.
 - Stopcock and flow rate adjustment, filter and solenoid valve are all integrated and accessible from the front.
 - BINOPTIC 2 F½" valve.
 - Supplied in 2 kits: secure system flush without sensitive elements.
- Active presence detection, sensor at the end of the spout optimises detection.
- **Hygienic duty flush** every 24 hours (can be adjusted to 12 hours or OFF) after last use.
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted.
- **Scale-resistant flow straightener.**
- **Spout with smooth interior** and low water volume (reduces bacterial development).
- Suitable for people with reduced mobility.
- 30-year warranty.



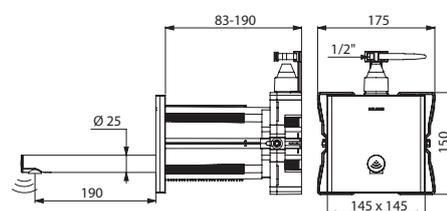
370SBOX-370110

Provisional availability 2nd half 2024.

Please contact the sales office to check availability.

| BINOPTIC 2 tap recessed in waterproof housing | |
|------------------------------------------------------------|-----------------------------|
| Satin finish - mains supply 230V Spout L. 190mm | 370SBOX + 370100 |
| Chrome-plated finish - mains supply 230V Spout L. 190mm | 370SBOX + 370110 |
| Satin finish - 6V batteries Spout L. 190mm | 370PBOX + 370106 |
| Chrome-plated finish - 6V batteries Spout L. 190mm | 370PBOX + 370116 |

We recommend installing a PREMIX TMV (see page 143)



370PBOX-370116

DELABIE / Electronic basin controls BINOPTIC



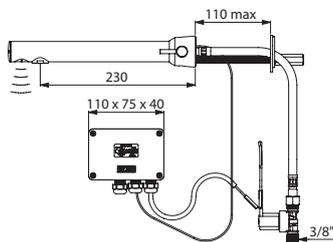
- **Water savings:** 90%
- **Hygiene:** no manual contact, anti-bacterial duty flush, spout with smooth interior and low water volume
- **Maintenance:** LED diagnostic aids

BINOPTIC MIX

Cross wall electronic basin mixer



- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Adjustable duty flush** (pre-set flush ~60 seconds every 24 hours after last use).
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- Chrome-plated brass body.
- Chrome-plated spout for cross wall installation ≤ 110 mm.
- Cable for sensor, flexibles and mounting all pass through the same hole.
- Anti-blocking security.
- **Spout with smooth interior** and low water volume (reduces bacterial development).
- Side temperature control with adjustable maximum temperature limiter.
- Suitable for people with reduced mobility.
- 30-year warranty.



379MCH

| | M $\frac{3}{8}$ " | $\varnothing 15$ mm for comp. fittings (UK/Ireland) |
|------------------------------------------------------------------|-------------------|-----------------------------------------------------|
| Cross wall BINOPTIC MIX mixer - Chrome-plated finish | 379MCH | 379MCH15 |
| Cross wall BLACK BINOPTIC MIX mixer Matte black chrome finish | 379MCHB | - |

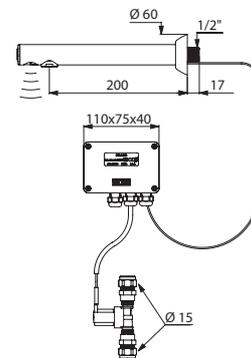
Option: matching soap dispenser (see page 71)

BINOPTIC

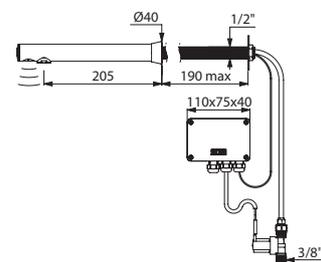
Recessed electronic basin tap



Electronic tap for recessed inlets or installation on walls ≤ 190 mm



379ENC15



379DER

| | $\frac{3}{8}$ " | $\varnothing 15$ mm for comp. fittings (UK/Ireland) |
|--------------------------------------------------------------------|-----------------|-----------------------------------------------------|
| BINOPTIC wall-mounted tap - Chrome-plated finish | | |
| Recessed, spout L. 200mm | 379ENC | 379ENC15 |
| For walls ≤ 190 mm, spout L. 205mm | 379DER | 379DER15 |
| For walls ≤ 190 mm, spout L. 135mm | 379D13 | 379D1315 |
| BLACK BINOPTIC wall-mounted tap - Matte black chrome finish | | |
| Recessed, spout L. 200mm | 379ENC B | - |
| For walls ≤ 190 mm, spout L. 205mm | 379DER B | - |

We recommend installing a PREMIX TMV (see page 143)

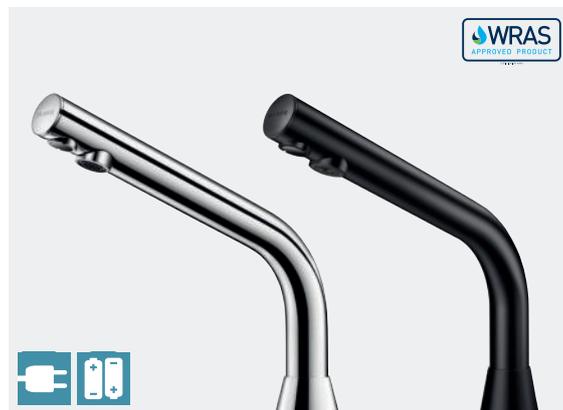
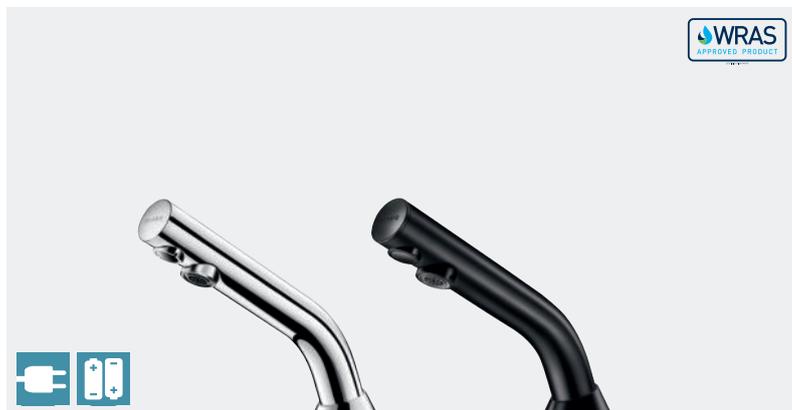
Option: matching soap dispenser (see page 71)



- **Water savings:** 90%
- **Hygiene:** no manual contact, anti-bacterial duty flush, spout with smooth interior and low water volume, reduced-stagnation solenoid valves on the battery-operated versions
- **Maintenance:** LED diagnostic aids

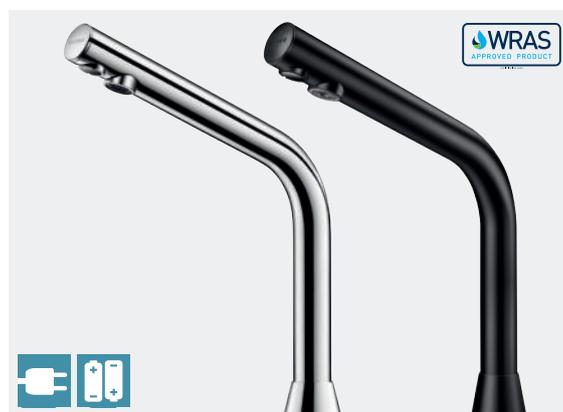
BINOPTIC

Deck-mounted electronic basin tap

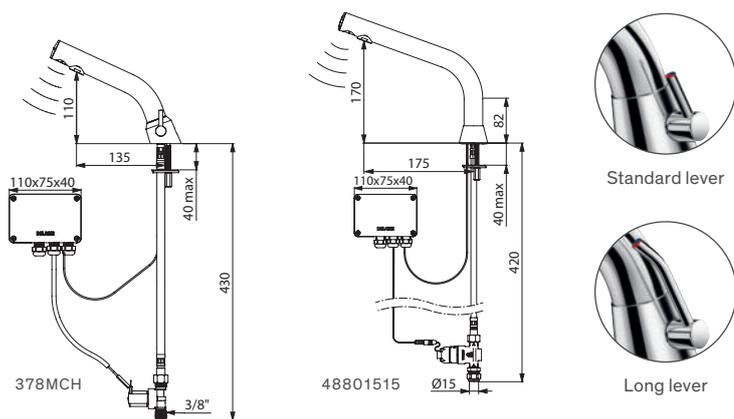


Height 170mm

- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer or CR123 6V Lithium batteries.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Adjustable duty flush** (pre-set flush ~60 seconds every 24 hours after last use).
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- Chrome-plated brass body.
- PEX flexibles with filters and solenoid valves.
- Fixing reinforced by 2 stainless steel rods. Anti-blocking security.
- **Spout with smooth interior** and low water volume (reduces bacterial development).
- Side temperature control with adjustable maximum temperature limiter.
- Suitable for people with reduced mobility. 30-year warranty.



Height 250mm



| | M ^{3/8} " | Ø15mm for comp. fittings (UK/Ireland) |
|------------------------------------------------------------------------------|--------------------|---------------------------------------|
| BINOPTIC MIX mixer (standard lever) - Chrome-plated finish | | |
| Mains supply | 378MCH | 378MCH15 |
| Battery-operated | 478MCH | 478MCH15 |
| BINOPTIC tap - Chrome-plated finish | | |
| Mains supply | 378015 | 37801515 |
| Battery-operated | 478015 | 47801515 |
| BLACK BINOPTIC MIX mixer (standard lever) - Matte black chrome finish | | |
| Mains supply | 378MCHB | - |
| Battery-operated | 478MCHB | - |
| BLACK BINOPTIC tap - Matte black chrome finish | | |
| Mains supply | 378035 | - |
| Battery-operated | 478035 | - |

| | M ^{3/8} " | Ø15mm for comp. fittings (UK/Ireland) |
|---------------------------------------------------------------------------|--------------------|---------------------------------------|
| BINOPTIC MIX mixer (Long handle) - Chrome-plated finish | | |
| Mains supply H. 170mm | 388MCHLH | 388MCHLH15 |
| Mains supply H. 250mm | 398MCHLH | 398MCHLH15 |
| Battery-operated H. 170mm | 488MCHLH | 488MCHLH15 |
| Battery-operated H. 250mm | 498MCHLH | 498MCHLH15 |
| BINOPTIC tap - Chrome-plated finish | | |
| Mains supply H. 170mm | 388015 | 38801515 |
| Mains supply H. 250mm | 398015 | 39801515 |
| Battery-operated H. 170mm | 488015 | 48801515 |
| Battery-operated H. 250mm | 498015 | 49801515 |
| BLACK BINOPTIC MIX mixer (Long handle) - Matte black chrome finish | | |
| Mains supply H. 170mm | 388MCHB | - |
| Mains supply H. 250mm | 398MCHB | - |
| Battery-operated H. 170mm | 488MCHB | - |
| Battery-operated H. 250mm | 498MCHB | - |
| BLACK BINOPTIC tap - Matte black chrome finish | | |
| Mains supply H. 170mm | 388035 | - |
| Mains supply H. 250mm | 398035 | - |
| Battery-operated H. 170mm | 488035 | - |
| Battery-operated H. 250mm | 498035 | - |

Option: matching soap dispenser (see page 71)





- **Water savings:** 90%
- **Hygiene:** no manual contact, reduced-stagnation solenoid valve, anti-bacterial duty flush
- **Easy to install:** electronic system integrated into the body of the tap
- **Specifically designed for public and commercial places:** batteries last 3 - 6 years, metal body, 30-year warranty

TEMPOMATIC 5

Deck-mounted electronic basin tap/mixer



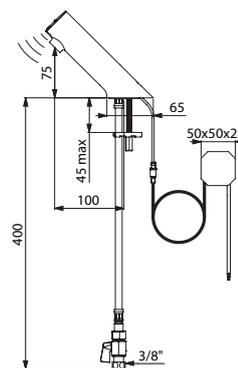
- **230/6V mains supply or integrated CR123 6V Lithium batteries.**
- **Reduced-stagnation solenoid valve and electronic unit integrated** into the body of the mixer.
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Duty flush** (~60 seconds every 24 hours after last use).
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- Chrome-plated metal body.
- PEX flexibles with filters and non-return valves.
- Fixing reinforced by 2 stainless steel rods.
- Anti-blocking security.
- Side temperature control with adjustable maximum temperature limiter on mixers.
- Suitable for people with reduced mobility.
- 30-year warranty.



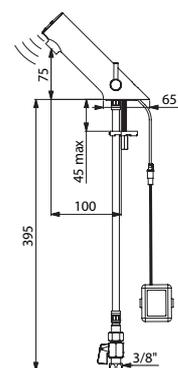
Standard lever

| | F ^{3/8} " with stopcock | F ^{3/8} " without stopcock | Ø15mm for comp. fittings (UK/Ireland) |
|-------------------------------|-------------------------------------|----------------------------------------|---------------------------------------------|
| TEMPOMATIC MIX 5 mixer | | | |
| Mains supply - recessed unit | 499000 | 499100 | 49900015 |
| Mains supply - plug-in | 499001 | 499101 | - |
| Battery-operated | 499006 | 499106 | 49900615 |
| TEMPOMATIC 5 tap | | | |
| Mains supply - recessed unit | 449000 | 449100 | 44900015 |
| Mains supply - plug-in | 449001 | 449101 | - |
| Battery-operated | 449006 | 449106 | 44900615 |

We recommend installing a TMV for taps (see page 143)



449000



499006





- **Water savings:** 85%
- **Hygiene:** no manual contact, anti-bacterial duty flush, reduced-stagnation solenoid valves on the battery-operated versions
- **Maintenance:** LED diagnostic aids

TEMPOMATIC 2

Deck-mounted electronic basin tap



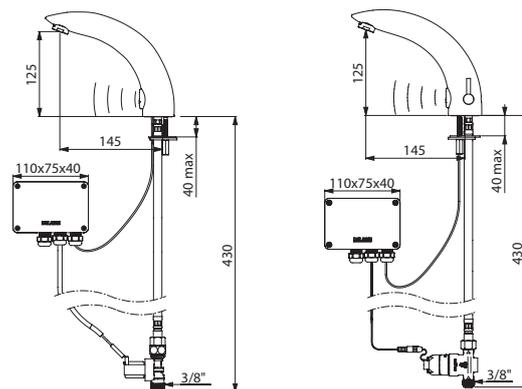
- Independent IP65 electronic control unit.
- 230/12V mains supply with transformer or CR123 6V Lithium battery.
- Flow rate pre-set at 4 lpm at 3 bar, can be adjusted from 1.4 - 6 lpm.
- Scale-resistant flow straightener.
- Adjustable duty flush
(pre-set flush ~60 seconds every 24 hours after last use).
- Shock-resistant infrared presence detection sensor.
- Chrome-plated solid brass body.
- PEX flexibles with filters and solenoid valves.
- Fixing reinforced by 2 stainless steel rods.
- Anti-blocking security.
- Suitable for people with reduced mobility.
- 30-year warranty.

On mixers:

- Side temperature control with adjustable maximum temperature limiter.
- Solenoid valves are upstream of the mixing chamber.



Standard lever



444000

494006

| | M ³ / ₈ " |
|----------------------------------------------|---------------------------------|
| TEMPOMATIC MIX 2 mixer | |
| Mains supply, standard temperature lever | 494000 |
| Battery-operated, standard temperature lever | 494006 |
| TEMPOMATIC 2 tap | |
| Mains supply | 444000 |

We recommend installing a TMV for taps (see page 143)

DELABIE / Electronic basin controls TEMPOMATIC PRO



- **Water savings:** 85%
- **Hygiene:** no manual contact, duty flush and removable spout with smooth interior (anti-bacterial proliferation), reduced-stagnation solenoid valves on the battery-operated versions
- **Comfort:** mains supply versions have several shut-off options available

TEMPOMATIC PRO

Deck-mounted electronic basin tap/mixer



- Independent IP65 electronic control unit.
- 230/12V mains supply with transformer or battery-operated with CR123 6V Lithium batteries.
- Flow rate pre-set at 4 lpm at 3 bar, can be adjusted from 1.4 - 6 lpm.
- Scale-resistant flow straightener.
- Adjustable duty flush (pre-set flush ~60 seconds every 24 hours after last use).
- Shock-resistant infrared presence detection sensor.
- Chrome-plated solid brass body with fixing reinforced by 2 stainless steel rods.
- PEX flexibles with filters and solenoid valves.
- **360° swivelling spout with smooth interior** (reduces bacterial development).
- **Removable spout** for cleaning.
- Anti-blocking security.
- Suitable for people with reduced mobility. 30-year warranty.



Long lever

On mixers:

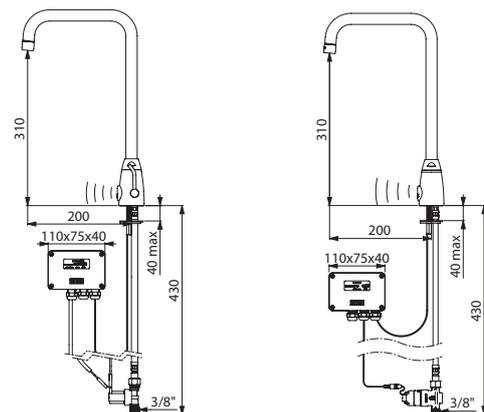
- Side temperature control with adjustable maximum temperature limiter and long ergonomic lever.
- Solenoid valves are upstream of the mixing chamber.

Two shut-off options on mains models:

Standard mode: timed flow with automatic shut-off.

ON/OFF mode: user shuts off flow voluntarily or automatic shut-off after 30 minutes of flow.

Thermal shocks are possible.



495253

445257

| | M $\frac{3}{8}$ " |
|---------------------------------|-------------------|
| TEMPOMATIC MIX PRO mixer | |
| Mains supply | 495253 |
| Battery-operated | 495257 |
| TEMPOMATIC PRO tap | |
| Mains supply | 445253 |
| Battery-operated | 445257 |

We recommend installing a TMV for taps (see page 143)



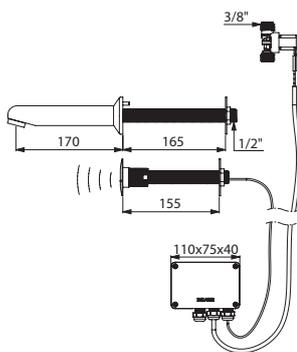
- **Water savings:** 90%
- **Hygiene:** no manual contact and anti-bacterial duty flush
- **Vandal-resistant:** cross wall installation, concealed fixings
- **Maintenance:** LED diagnostic aids

TEMPOMATIC

Wall-mounted electronic basin tap



- Independent IP65 electronic control unit.
- 230/12V mains supply with transformer.
- Flow rate pre-set at 3 lpm at 3 bar, can be adjusted from 1.4 - 6 lpm.
- Scale-resistant flow straightener.
- Adjustable duty flush
(pre-set flush ~60 seconds every 24 hours after last use).
- Chrome-plated fixed spout L. 170mm with anti-rotating pin and back-nut.
- Wall plate flush to wall.
- Shock-resistant infrared presence detection sensor.
- Anti-blocking security.
- For wall partitions ≤ 155mm.
- Solenoid valve with integrated filter.
- Threaded rods can be cut to size.
- Suitable for people with reduced mobility.
- 30-year warranty.



441157



| | M ³ / ₈ " | Ø15mm for comp. fittings (UK/Ireland) |
|----------------------------------|---------------------------------|---------------------------------------|
| TEMPOMATIC cross wall tap | 441157 | 44115715 |

We recommend installing a TMV (see page 143)
Alternative spout and cross wall lengths available on request



HYGIENE AND CONTROLLING BACTERIAL PROLIFERATION

Automatic timed shut-off, with no manual contact

DELABIE's time flow mixers and taps shut off automatically once the push-button has been pressed and the valve has opened.

No manual contact after washing prevents the spread of germs by hand.

Hygienic flow straightener

Unlike conventional aerators, DELABIE's flow straighteners are specially made from **Hostaform®**, a material that is highly scale-resistant (build-up of scale is 10 times slower).

They minimise water retention and the build-up of dirt, and prevent the spread of germs.

PEX flexible hoses

These flexible hoses will withstand the thermal and chemical shocks undertaken in public and commercial buildings for preventative or curative treatments against the development of bacteria.

DESIGN

Commercial environments and design

DELABIE's products, known for their endurance and reliability, have a **timeless design**.

The diversity of the product range fits in perfectly with any commercial installation.

In an office building or a shopping centre it is paramount that the product design fits in with its surroundings.

In prison, products must be resistant and secure: concealed mechanisms, streamlined design, etc.

Design without constraints

Aesthetic products are subject to less vandalism as they are better respected.

The **smooth shape** of the mixers and taps reduces the build-up of dirt and facilitates cleaning.

Easy but secure access to the control mechanisms ensures easy maintenance.

85% WATER AND ENERGY SAVINGS

Water savings

Compared to conventional mixers and taps, DELABIE's time flow mixers and taps can offer maximum water savings. They ensure the manager's water bills can be reduced whilst preserving user comfort.

- **Automatic shut-off and split delivery**

The mixer or tap shuts off automatically after approximately 7 seconds of flow.

DELABIE's time flow mixers and taps remove the risk of waste through negligence.

The AB anti-blocking system available on certain models, prevents the valve from being blocked in the open position.

The flow time is reduced to the necessary minimum (wetting, rinsing).

- **Flow rate regulated at 3 lpm**

DELABIE's time flow mixers and taps are regulated at 3 lpm. The flow rate remains constant regardless of pressure variations in the system.

The flow rate is pre-set at 3 lpm at 3 bar. However, it can be adjusted from 1.4 (see *environmental labels*) to 6 lpm.

Energy savings

DELABIE's time flow mixers and taps operate completely autonomously with no need for an electrical supply. They do **not consume any power at all**. The significant **hot water savings** provided by DELABIE's mixers and taps also result in energy savings.

Ecological

DELABIE's time flow mixers and taps are made from materials that are **100% recyclable** which ensures that the products receive the best ecological assessment in their category.

Environmental labels

The water and energy saving performance of DELABIE's time flow mixers and taps means that the buildings achieve the highest performance standards for international rating schemes such as LEED, BREEAM or HQE.

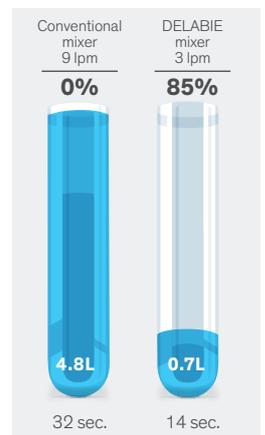
For more information see page 8.



Hygiene and controlling bacterial proliferation



Optimised time flow



Water savings per use

COMPARISONS OF WATER CONSUMPTION

Comparison between a conventional mixer and a DELABIE time flow mixer

| Flow rate | Wetting | Soaping | Rinsing | Water consumption |
|-----------|---------|---------|---------|------------------------|
| 9L | 5 sec. | 20 sec. | 7 sec. | 4.8L 32 sec. |
| 3L | 7 sec. | 7 sec. | 7 sec. | 0.7L 14 sec. |



Soft technology:
soft-touch operation



AB anti-blocking system



Vandal-resistant



TECHNICAL SOLUTIONS SUITABLE FOR ALL CONSTRAINTS

Public and commercial buildings have different requirements depending on the place of installation and type of user. DELABIE has developed specific products to respond to a variety of challenges (improving comfort, avoiding waste, user safety, etc.).

Soft technology: soft-touch operation

DELABIE has developed time flow mixers and taps with **soft-touch operation**. Soft technology allows all users (children, the elderly or people with reduced mobility) to use the mixers and taps with no effort required.

TEMPOSOFT 2, TEMPOMIX and TEMPOMIX 3 models require half the effort to operate compared to conventional taps/mixers.

AB anti-blocking system: waste prevention

To avoid abuse and waste, TEMPOSTOP and TEMPOMIX 3 models can be fitted with an **AB anti-blocking system**.

This prevents the valve from being blocked in the open position. Water will not flow unless the push-button is released.

Temperature selection

Mixer versions (MIX) of DELABIE's time flow mixers and taps are available. They offer the user additional comfort by allowing them to choose the water temperature. The temperature can be adjusted via the single control (TEMPOMIX and TEMPOMIX 3) or using the side lever (TEMPOMIX 2 and TEMPOSOFT MIX).

Anti-scalding safety

DELABIE's time flow mixers are supplied with a **pre-set maximum temperature limiter** that can be adjusted during installation. The user cannot increase the temperature above the maximum set temperature, reducing any risk of scalding.

Technical characteristics

| | |
|--------------------------------------------------------------|------------------------------------------------|
| Operating pressure | 1 - 5 bar, 3 bar recommended |
| Pressure differential HW / CW | $\Delta P < 1$ bar |
| Temperature limiter* | Can be adjusted |
| HW supply | 55°C max |
| Adjustable flow rate | 1.4 - 6 lpm |
| Time flow | 7 seconds |
| Soft technology | TEMPOSOFT, TEMPOMIX, TEMPOMIX 3 |
| Anti-blocking system | TEMPOSTOP, TEMPOSTOP 2, TEMPOMIX 2, TEMPOMIX 3 |
| Recommended installation height for wall-mounted mixers/taps | 110 - 200mm above base of bowl |

* Depending on model

SPECIFICALLY DESIGNED FOR COMMERCIAL ENVIRONMENTS

Resistant to intensive use and vandalism

DELABIE's time flow mixers and taps are specifically designed to withstand intensive use as well as voluntary and involuntary vandalism.

The mixer and tap bodies are made from chrome-plated brass, fitted with **shock-resistant** mechanisms.

The **reinforced fixings** will stand up to intensive use.

Streamlined designs prevent unwanted removal.

For areas that require tamperproof installations, there are recessed and cross wall versions which have mechanisms that cannot be accessed by the user.

Superior endurance

The time flow mechanisms in DELABIE mixers and taps are hard-wearing. The hydraulic timing system with a calibrated groove is self-cleaning, which extends its lifespan to over **500,000 operations**.

There is no metal-metal or metal-plastic friction, ensuring **reliable and durable timing**.

DELABIE's mixers and taps perform to the highest standards. Each model is subjected to endurance tests under extreme conditions in endurance laboratories.

Easy to install

For quick activation and comfort with no splashing all DELABIE's time flow mixers and taps are **pre-set at 3 lpm at 3 bar**. They can, however, be adjusted from 1.4 (see *environmental labels*) to 6 lpm.

They are supplied with a **pre-set maximum temperature limiter** to save time during installation, and can be adjusted by the installer.

Minimal servicing

Flow straighteners and mechanisms are made from **scale-resistant materials** (Hostaform®).

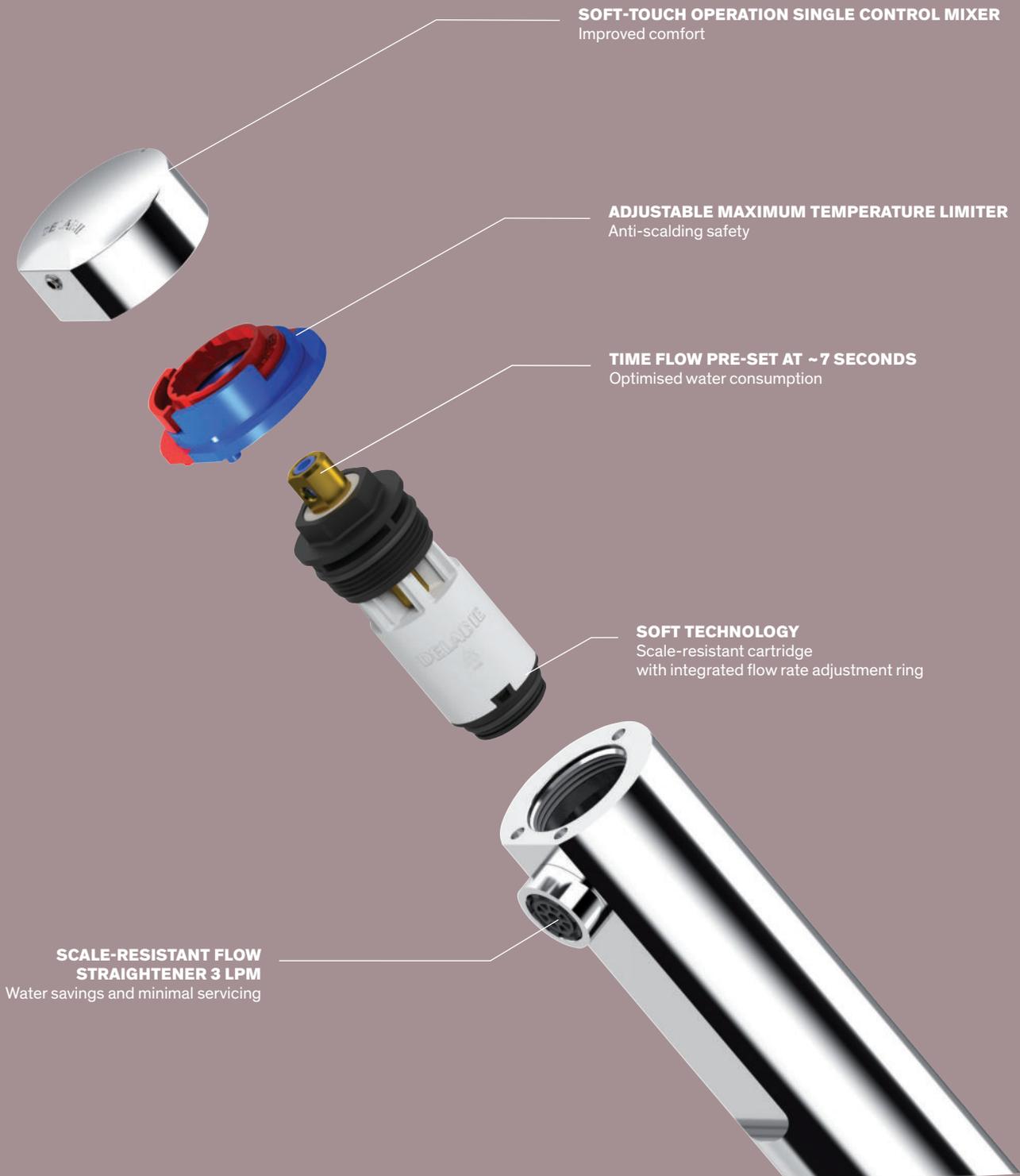
The self-cleaning mechanisms are protected by filters.

Simple to maintain

The **spare parts** are **standardised** to ensure quick and easy replacement by maintenance staff.

The whole of the system is integrated within **an interchangeable cartridge without removing the tap**. For the mixer versions, non-return valves are integrated into the flexibles.

30-year warranty against any manufacturing defects.
50 years repairability.



SOFT-TOUCH OPERATION SINGLE CONTROL MIXER
Improved comfort

ADJUSTABLE MAXIMUM TEMPERATURE LIMITER
Anti-scalding safety

TIME FLOW PRE-SET AT ~7 SECONDS
Optimised water consumption

SOFT TECHNOLOGY
Scale-resistant cartridge
with integrated flow rate adjustment ring

**SCALE-RESISTANT FLOW
STRAIGHTENER 3 LPM**
Water savings and minimal servicing



TEMPOMIX 3 deck-mounted time flow basin mixer **794000** - Rectangular glass mirror **3454** - Wall-mounted stainless steel bin **510461P**
TEMPOMIX 3 wall-mounted time flow basin mixer **794350** - HEMI round basin for recessed installation **120490** - Wall shelf **553**



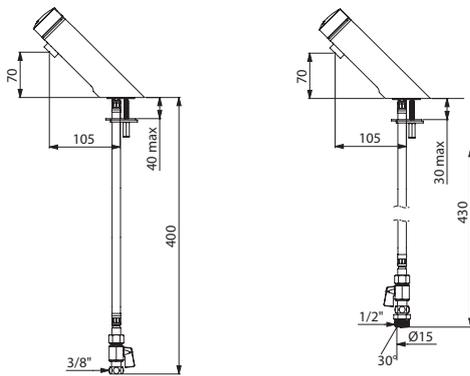
- **Water savings:** 85%
- **Comfort:** temperature selection directly via the single control mixer, soft-touch operation
- **Vandal-resistant:** streamlined design

TEMPOMIX 3

Time flow basin mixer with soft-touch operation



- **Soft-touch operation.**
- **Temperature control and operation via the push-button.**
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Tamperproof, scale-resistant flow straightener.**
- Chrome-plated solid metal body.
- PEX flexibles with filters and non-return valves.
- Fixing reinforced by 2 stainless steel rods.
- Adjustable maximum temperature limiter.
- **Available with AB anti-blocking system:** water will flow only when the push-button is released.
- Suitable for people with reduced mobility.
- 30-year warranty.



794000

79400015

Provisional availability 2nd half 2024.
Please contact the sales office to check availability.

| | F ³ / ₈ " | F ³ / ₈ " without stopcock | Ø15mm for comp. fittings (UK/Ireland) |
|--------------------------------------|---------------------------------|--------------------------------------------------|---------------------------------------|
| TEMPOMIX 3 deck-mounted mixer | | | |
| Soft-touch | 794000 | 794100 | 79400015 |
| Soft-touch and AB system | 794000AB* | 794100AB* | 79400015AB* |
| Soft-touch DZR-LEAD FREE | - | 794100AS | - |

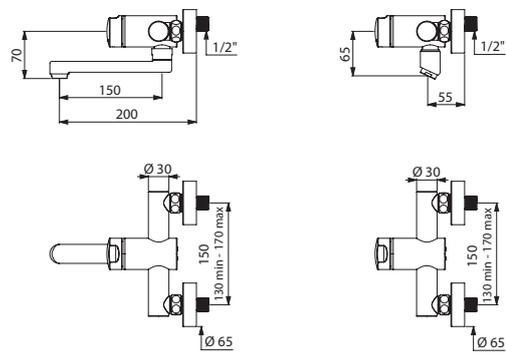
Option: comfort aerator (see page 68)

TEMPOMIX 3

Time flow basin mixer with soft-touch operation



- **Soft-touch operation.**
- **Temperature control and operation via the push-button.**
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Scale-resistant flow straightener.**
- Chrome-plated solid metal body M¹/₂".
- **Swivelling or fixed spout.**
- Filters and non-return valves.
- Adjustable maximum temperature limiter.
- Offset connectors M¹/₂" for centres 130 - 170mm.
- Suitable for people with reduced mobility.
- 30-year warranty.



794350

794370

| TEMPOMIX 3 wall-mounted mixer | |
|--------------------------------------|--------|
| With swivelling spout L. 150mm | 794350 |
| With fixed spout L. 150mm | 794360 |
| With fixed spout | 794370 |

Option: STOP/CHECK connectors (see page 68)





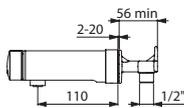
- **Water savings:** 85%
- **Comfort:** temperature selection directly via the single control mixer, soft-touch operation
- **Vandal-resistant:** streamlined design

TEMPOMIX 3

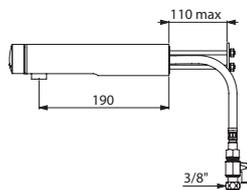
Wall-mounted time flow basin mixer with soft-touch operation



- **Soft-touch operation.**
- **Temperature control and operation via the push-button.**
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Tamperproof, scale-resistant flow straightener.**
- Chrome-plated metal body.
- Filters and non-return valves.
- Adjustable maximum temperature limiter.
- Suitable for people with reduced mobility.
- 30-year warranty.



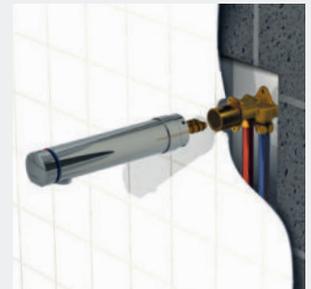
794012 + 794050



794165

Recessed water inlets

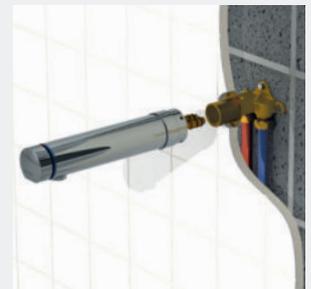
3 installation options



Recessed in concrete



Plasterboard rails



Solid walls

Cross wall



| TEMPOMIX 3 wall-mounted mixer | |
|----------------------------------------------------------------------------------------|----------------------------|
| Wall-mounted (recessed water inlets) - 1/2" | |
| Kit 1: Nanny joint for recessed water inlet Kit 2: Mixer L. 110mm without stopcocks | 794012 + 794050 |
| Kit 1: Nanny joint for recessed water inlet Kit 2: Mixer L. 190mm without stopcocks | 794012 + 794055 |
| Cross wall - PEX flexibles 3/8" | |
| L. 110mm with stopcocks | 794160 |
| L. 190mm with stopcocks | 794165 |
| Option: comfort aerator (see page 68) | |





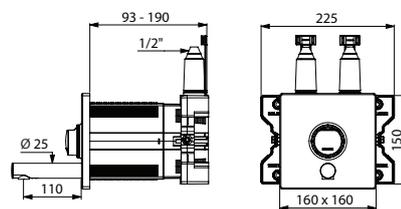
- **Water savings:** 85%
- **Comfort:** temperature selection directly via the single control mixer, soft-touch operation
- **Vandal-resistant:** recessed installation, concealed fixings
- **Easy to install:** modular and adjustable waterproof housing (for walls and finishes)

TEMPOMIX 3

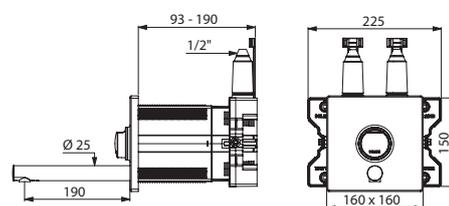
Recessed time flow basin mixer with soft-touch operation



- **Tamperproof chrome-plated metal control plate 160 × 160mm.**
- **Waterproof recessing housing:**
 - Collar with waterproof seal.
 - Hydraulic connection from the outside and maintenance from the front.
 - Adjusts to all types of installations (rails, solid walls, panels).
 - Compatible with wall finishes from 10 - 120mm (while maintaining the minimum recessing depth of 93mm).
 - Suitable for standard or "pipe-in-pipe" supply.
 - Stopcocks and flow rate adjustment, filters, non-return valves and cartridge are all integrated and accessible from the front.
 - TEMPOMIX 3 single control mixer F1/2".
 - Supplied in 2 kits: secure system flush without sensitive elements.
- **Temperature control and operation via the push-button.**
- Maximum temperature limiter (can be adjusted by installer).
- **Soft-touch operation.**
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Spout with smooth interior** and low water volume (reduces bacterial development).
- 30-year warranty.



794BOX3 + 794200



794BOX3 + 794250

| TEMPOMIX 3 mixer recessed in waterproof housing | |
|-------------------------------------------------|------------------|
| Spout L. 110mm | 794BOX3 + 794200 |
| Spout L. 190mm | 794BOX3 + 794250 |

Option: comfort aerator or BIOSAFE outlet (see page 68)





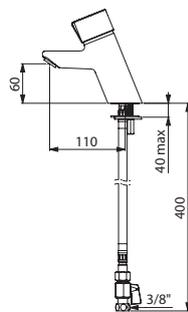
- **Water savings:** 85%
- **Vandal-resistant:** chrome-plated solid brass, deck-mounted with reinforced fixing or cross wall versions
- **Comfort:** temperature selection directly via the single control mixer, soft-touch operation

TEMPOMIX

Deck-mounted time flow basin mixer



- **Soft-touch operation.**
- **Temperature control and operation via the push-button.**
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Scale-resistant flow straightener.**
- Chrome-plated solid brass body.
- **Ergonomic chrome-plated metal push-button.**
- PEX flexibles with filters and non-return valves.
- Fixing reinforced by 2 stainless steel rods.
- Adjustable maximum temperature limiter.
- Suitable for people with reduced mobility.
- 30-year warranty.



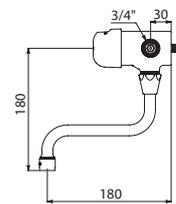
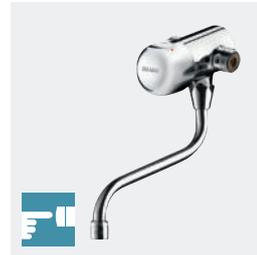
795000

| | F ^{3/8} " | F ^{3/8} " without stopcock | Ø15mm for comp. fittings (UK/Ireland) |
|---------------------------------------|--------------------|-------------------------------------|---------------------------------------|
| TEMPOMIX deck-mounted mixer | | | |
| TEMPOMIX deck-mounted | 795000 | 795100 | 79500015 |
| TEMPOMIX deck-mounted - DZR-LEAD FREE | - | 795100AS | - |

Option: comfort aerator (see page 68)

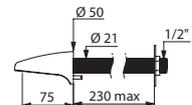
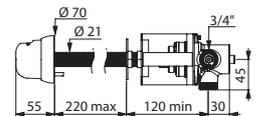
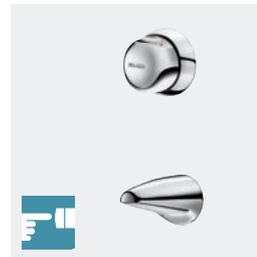
TEMPOMIX

Wall-mounted or cross wall time flow basin mixer



798152

Wall-mounted time flow mixer with fixed or swivelling spout.



795209

Cross wall time flow mixer:

- Tamperproof cross wall control ≤ 220mm and tamperproof fixed cross wall spout ≤ 230mm.
- System for fixing to the wall via anti-rotating pin, back-nut and connection clamp.
- Cut-to-size threaded rods.

| TEMPOMIX wall-mounted mixer | |
|-------------------------------------------------------------------------------|--------|
| With fixed spout | 796000 |
| For panels 8 - 16mm , 30 second time flow | 790975 |
| With swivelling spout | 798152 |
| Elbow union M ^{1/2} " - F ^{3/4} " | 838020 |
| STOP union M ^{1/2} " - F ^{3/4} " | 836020 |
| Reinforced wall plate Ø 80mm | 824800 |
| TEMPOMIX cross wall mixer | |
| TEMPOMIX cross wall | 795209 |
| Back nut F ^{1/2} " with 3 screws (reinforcing clamp behind the wall) | 826315 |

Alternative spout and cross wall lengths on request





- **Water savings:** 85%
- **Vandal-resistant:** solid brass, reinforced fixings, streamlined design
- **Comfort:** temperature selection via side temperature lever on mixers, soft-touch operation

TEMPOSOFT MIX 2

Deck-mounted time flow basin mixer with soft-touch operation



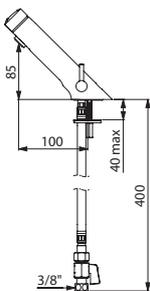
- **Soft-touch operation.**
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Tamperproof scale-resistant flow straightener.**
- Chrome-plated solid brass body.
- PEX flexibles with filters and non-return valves.
- Fixing reinforced by 2 stainless steel rods.
- Side temperature control lever with adjustable maximum temperature limiter on mixers.
- Suitable for people with reduced mobility.
- 30-year warranty.



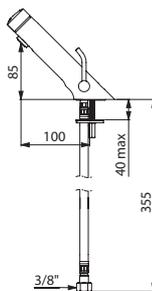
Standard lever



Long lever



742500



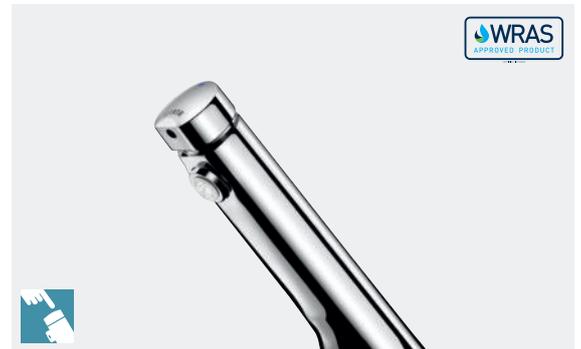
742510LH

| | F ^{3/8} " | F ^{3/8} " without stopcock | Ø15mm for comp. fittings (UK/Ireland) |
|-------------------------------------------|--------------------|-------------------------------------|---------------------------------------|
| TEMPOSOFT MIX 2 deck-mounted mixer | 742500 | 742510 | 74250015 |

For long lever, please add "LH" after the reference

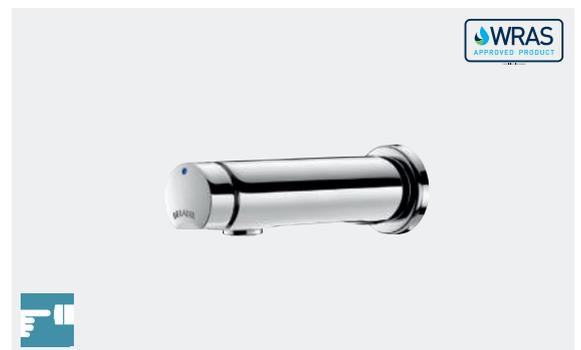
TEMPOSOFT 2

Time flow basin tap with soft-touch

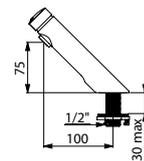


TEMPOSOFT 2

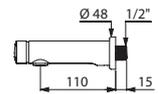
Wall-mounted time flow tap with soft-touch



- Chrome-plated solid brass body M^{1/2}".
- Supplied with blue and red markers.



740300



741500

TEMPOSOFT 2 deck-mounted tap

| | |
|-------------------------------------------------------------|-----------------|
| Fixing reinforced by back-nut with 3 stainless steel screws | 740300 |
| Fixing with back-nut | 740500 |
| Fixing with back-nut - DZR-LEAD FREE | 740510AS |

TEMPOSOFT 2 wall-mounted tap

| | |
|--------------------------|-----------------|
| L. 110mm | 741500 |
| L. 110mm - DZR-LEAD FREE | 741510AS |
| L. 150mm | 741550 |
| L. 150mm with back nut | 741555 |

We recommend installing a TMV (see page 143)





- **Water savings:** 85%
- **Vandal-resistant:** solid brass, reinforced fixing, anti-blocking (AB) system
- **Comfort:** soft-touch operation on lever-operated models

TEMPOMIX 2 / TEMPOSTOP 2

Deck-mounted time flow basin tap/mixer

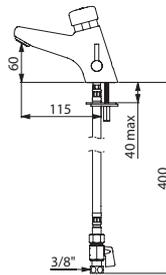


AB

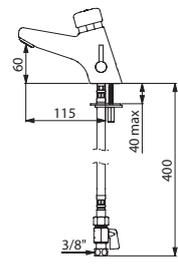
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Tamperproof scale-resistant flow straightener.**
- Chrome-plated solid brass body.
- PEX flexibles with filters and non-return valves.
- Fixing reinforced by 2 stainless steel rods.
- Side temperature control lever with adjustable maximum temperature limiter on mixer models.
- **Available with AB anti-blocking system.**
- **Push-button or lever-operated control** (soft-touch operation).
- 30-year warranty.



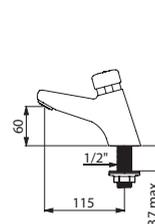
Standard lever



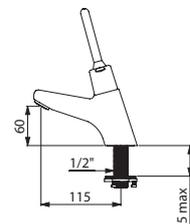
700000



700001



702000



702400

| | F ³ / ₈ " - Mixer F ¹ / ₂ " - Tap | F ³ / ₈ " without stopcock | Ø15mm for comp. fittings (UK/Ireland) |
|-------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------|
| TEMPOMIX 2 mixer | | | |
| Standard mixer | 700000 | 700100 | 70000015 |
| Mixer with AB system | 700001 | 700101 | 70000115 |
| TEMPOMIX 2 lever-operated mixer | 700400 | 700500 | 70040015 |
| TEMPOSTOP 2 tap | | | |
| Fixing with back-nut | 702000 | - | - |
| Fixing reinforced by 3 stainless steel screws and AB system | 702301 | - | - |
| TEMPOSTOP 2 lever-operated tap | 702400 | - | - |

We recommend installing a TMV for taps (see page 143)



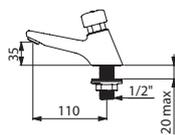
- **Water savings:** 85%
- **Vandal-resistant:** solid brass, reinforced fixing, anti-blocking (AB) system

TEMPOSTOP

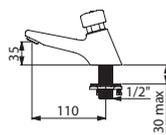
Time flow basin tap



- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Tamperproof scale-resistant flow straightener.**
- Chrome-plated solid brass body M1½".
- **Available with AB anti-blocking system:** water only flows when push-button is released.
- 30-year warranty.



745100



745301

| TEMPOSTOP tap | |
|-----------------------------------------------------------------------------|-----------------|
| Fixing with back-nut | 745100 |
| Fixing with back-nut and AB system | 745101 |
| Fixing reinforced with 3 stainless steel screws | 745300 |
| Fixing reinforced with 3 stainless steel screws - DZR-LEAD FREE | 745107AS |
| Fixing reinforced with back-nut with 3 stainless steel screws and AB system | 745301 |

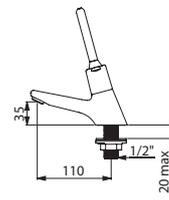
We recommend installing a TMV (see page 143)

TEMPOSTOP

Time flow lever-operated basin tap



- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Tamperproof scale-resistant flow straightener.**
- Chrome-plated solid brass body M1½".
- Chrome-plated metal lever
- Fixing with back-nut.
- **Lever-operated** (soft-touch operation).
- Suitable for people with reduced mobility.
- 30-year warranty.



745440

| TEMPOSTOP lever-operated tap | |
|---------------------------------------|-----------------|
| Time flow ~7 seconds | 745440 |
| Time flow ~7 seconds - DZR-LEAD FREE | 745447AS |
| Time flow ~15 seconds - DZR-LEAD FREE | 745440AS |

We recommend installing a TMV (see page 143)



- **Water savings:** 85%
- **Vandal-resistant:** solid brass, anti-blocking (AB) system

TEMPOSTOP

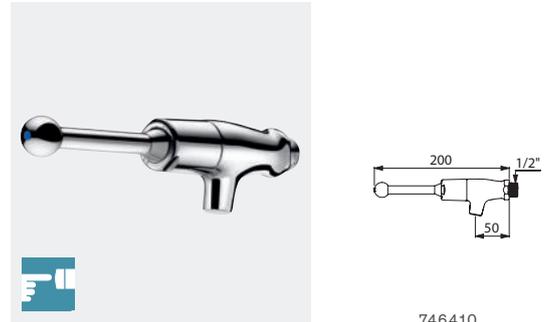
Wall-mounted time flow basin tap



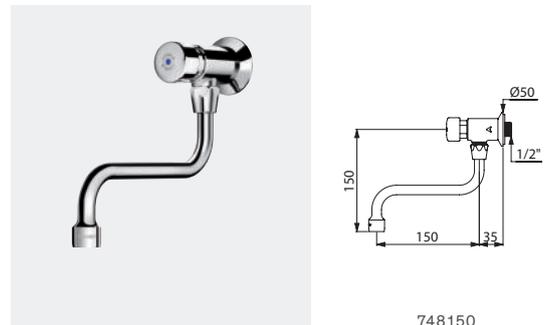
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Tamperproof scale-resistant flow straightener.**
- Chrome-plated solid brass body M³/₈" or M¹/₂".
- **Available with AB anti-blocking system:** water only flows when push-button is released.
- **Push-button or lever-operated control.**
- 30-year warranty.

TEMPOSTOP

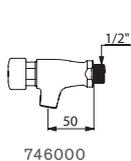
Wall-mounted or cross wall time flow basin tap



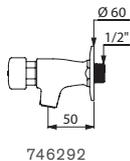
746410
Wall-mounted lever-operated time flow tap



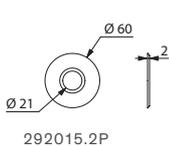
748150
Wall-mounted time flow tap with swivelling spout:
• Time flow ~15 seconds. Suitable for wash tubs.



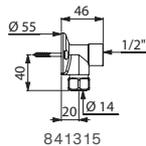
746000



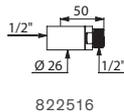
746292



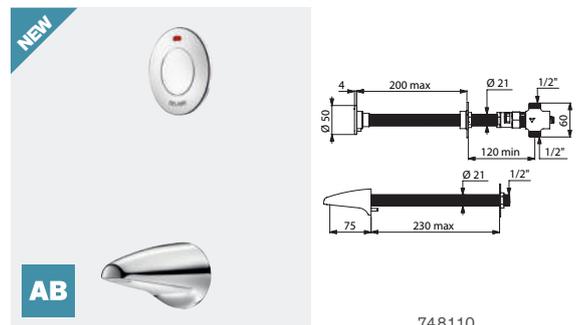
292015.2P



841315



822516



748110
Cross wall time flow tap:
• Control ≤ 200mm and spout ≤ 230mm, cut-to-size.
• Anti-rotating pin and back-nut. AB anti-blocking system.
• Chrome-plated metal control.

| TEMPOSTOP wall-mounted tap | |
|------------------------------------------------------------|-----------|
| M ³ / ₈ " | 744000 |
| M ¹ / ₂ " (DZR brass) | 746000 |
| M ¹ / ₂ " with wall plate | 746292 |
| M ¹ / ₂ " and AB system | 746001 |
| Accessories | |
| Wall plates for taps Ø 60mm (2 per pack) | 292015.2P |
| Backplate elbow MF ¹ / ₂ " | 841315 |
| Extension MF ¹ / ₂ " L. 50mm Ø 26mm | 822516 |
| Extension MF ¹ / ₂ " L. 100mm Ø 24mm | 822115 |
| We recommend installing a TMV (see page 143) | |

| TEMPOSTOP tap | |
|-------------------------------------------------------------------------------------------------------------------|--------|
| Wall-mounted lever-operated tap | 746410 |
| Wall-mounted with swivelling spout | 748150 |
| Cross wall and AB system | 748110 |
| Back-nut F ¹ / ₂ " with 3 stainless steel screws | 826315 |
| We recommend installing a TMV (see page 143) Alternative cross wall lengths (up to 400mm) available on request | |





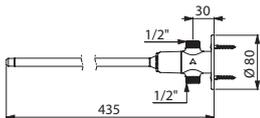
- **Hygiene:** no manual contact, automatic timed or instant shut-off
- **Comfort:** automatic shut-off

TEMPOGENOU

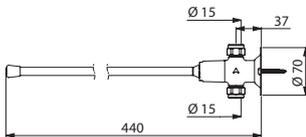
Knee-operated time flow basin valve



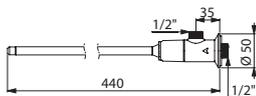
- Time flow ~7 seconds.
- Flow rate pre-set at 3 lpm at 3 bar, can be adjusted from 1.4 - 6 lpm.
- Reinforced control lever.
- Solid brass wall plate with reinforced fixing via 4 stainless steel screws on the in-line model.
- Cold or mixed water supply.
- **Chrome-plated solid brass body.**
- 30-year warranty.



735400



73544715



734100

| TEMPOGENOU valve | |
|-------------------------------------------------------------|-----------------|
| Straight for in-line inlet, M1/2" | 735400 |
| Straight for in-line inlet, Ø 15mm for compression fittings | 73544715 |
| Straight for in-line inlet, stud nut | 735000 |
| Angled for recessed inlet, M1/2" | 734100 |

We recommend installing a TMV (see page 143)

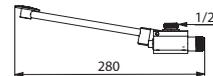
Option: spouts (see page 67)

MIXFOOT / MONOFOOT

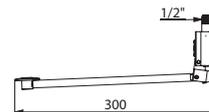
Foot-operated basin mixer/valve with instant shut-off



- **Instant automatic shut-off.**
- **Pedal can be raised for cleaning the floor.**
- Adjustable pedal height.
- Fixed by 4 screws.
- Filters.
- Pre-set mixing can be adjusted on the MIXFOOT mixer version: half open for cold water and fully open for mixed water (pedal touching the floor).
- Available for floor or wall-mounting.
- 30-year warranty.



739100



736102

| MIXFOOT mixer | |
|--------------------------------|---------------|
| Floor-mounted M1/2" | 739100 |
| Wall-mounted M1/2" | 739102 |
| MONOFOOT valve | |
| Floor-mounted, stud nut Ø 14mm | 736001 |
| Floor-mounted M1/2" | 736101 |
| Wall-mounted M1/2" | 736102 |

We recommend installing a TMV (see page 143) with the MONOFOOT valve

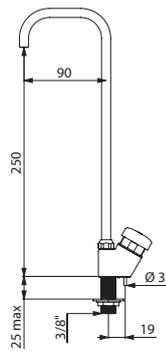
Option: spouts (see page 67)

Swan neck tap

For water fountains



- Instant shut-off.
- Adjustable flow rate.
- Chrome-plated brass body and stainless steel spout.
- 30-year warranty.

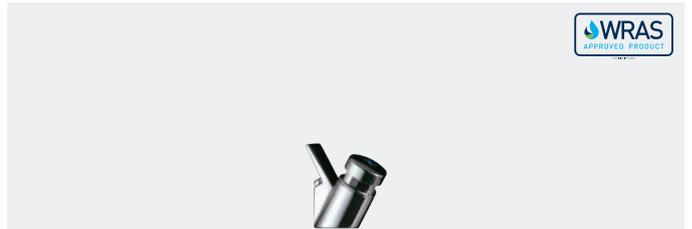


311QU1

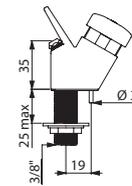
| Swan neck tap | |
|-----------------------|---------------|
| For Rilsan tube 4 × 6 | 311TR1 |
| M $\frac{3}{8}$ " | 311QU1 |

Bubbler

For water fountains



- Instant shut-off.
- Adjustable flow rate.
- Chrome-plated brass.
- M $\frac{3}{8}$ ".
- 30-year warranty.



312QU1

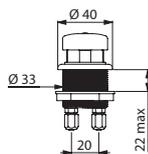
| | |
|----------------|---------------|
| Bubbler | 312QU1 |
|----------------|---------------|

Push-button control

For swan neck taps and bubblers



- Instant shut-off.
- For swan neck spouts and bubblers.
- Chrome-plated brass.
- Connector for Rilsan tube 4 × 6.
- 30-year warranty.



319T61

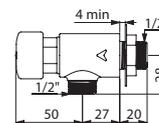
| | |
|----------------------------|---------------|
| Push-button control | 319T61 |
|----------------------------|---------------|

TEMPOSTOP

For hand washbasins



- Time flow ~7 seconds.
- Flow rate pre-set at 3 lpm at 3 bar, can be adjusted from 1.4 - 6 lpm.
- Rough cast brass body.
- Inlet M $\frac{1}{2}$ ".
- To be placed behind hand washbasin wall plate.
- 30-year warranty.



748626

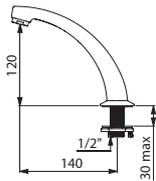
| TEMPOSTOP tap | |
|-----------------------------------------------------|---------------|
| With push-button | 748626 |
| Without push-button | 748126 |
| <i>We recommend installing a TMV (see page 143)</i> | |

Fixed, cast spout

Deck-mounted



- Spout L. 140mm, H. 120mm, M1/2".
- Reinforced fixing by 3 stainless steel screws.
- Chrome-plated brass.
- Scale-resistant flow straightener regulated at 3 lpm.
- 30-year warranty.



981142

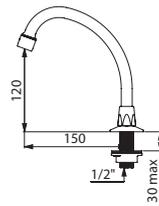
| | |
|--------------------------|---------------|
| Fixed, cast spout | 981142 |
|--------------------------|---------------|

Swivelling swan neck spout

Deck-mounted



- Swan neck spout M1/2".
- Fixing by back-nut.
- Chrome-plated brass.
- Scale-resistant flow straightener regulated at 3 lpm.
- 30-year warranty.



967152

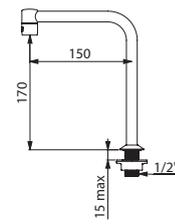
| Swivelling swan neck spout | |
|-----------------------------------|---------------|
| L. 150mm H. 120mm | 967152 |
| L. 200mm H. 200mm | 967202 |

Tubular spout

Deck-mounted



- Tubular spout on base M1/2".
- Chrome-plated brass.
- Spout with smooth interior (reduces bacterial development).
- Scale-resistant flow straightener.
- 30-year warranty.

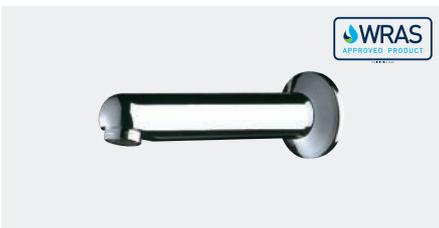


204001

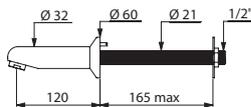
| Swivelling tubular spout Ø 22mm | |
|----------------------------------------|---------------|
| L. 150mm H. 140mm, 3 lpm | 1306T1 |
| L. 200mm H. 260mm, 3 lpm | 1306T2 |
| L. 300mm H. 260mm | 1306T3 |
| Fixed tubular spout Ø 16mm | 204001 |

Fixed spout

Wall-mounted / Cross wall



- Spout Ø 32mm, M1/2".
- Chrome-plated brass.
- Scale-resistant flow straightener regulated at 3 lpm.
- 30-year warranty.

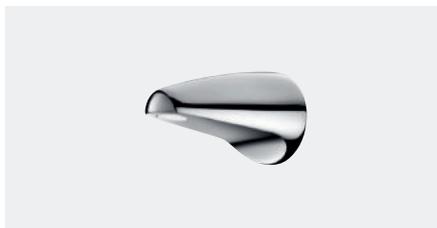


947151

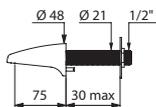
| Cross wall spout with wall plate | |
|------------------------------------------------------------|---------------|
| L. 120mm | 947151 |
| L. 170mm | 947157 |
| Wall-mounted spout no wall plate (recessed inlet) | |
| L. 110mm | 947120 |
| L. 160mm | 947170 |
| Wall-mounted spout with wall plate (recessed inlet) | |
| L. 120mm | 947135 |

Fixed spout

For thin panels



- Spout L. 75mm, M1/2".
- For thin panels.
- Threaded rod can be cut to size.
- Streamlined, ligature-resistant design.
- Chrome-plated brass.
- Star-shaped scale-resistant flow straightener.
- 30-year warranty.

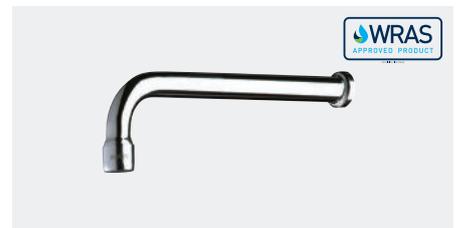


942040

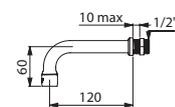
| Cross wall fixed spout | |
|------------------------------------------------------------|---------------|
| For panels ≤ 30mm | 942040 |
| Back-nut with 3 screws | 826315 |
| <i>Alternative cross wall lengths available on request</i> | |

Fixed L-shaped spout

Wall-mounted



- Tubular spout Ø 18mm, M1/2".
- L. 120mm.
- Chrome-plated brass.
- Flow straightener.
- 30-year warranty.



941922

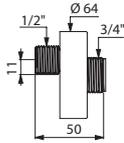
| Wall-mounted L-shaped universal spout | |
|--------------------------------------------------------|---------------|
| Star-shaped flow straightener | 941120 |
| Flow straightener regulated at 3 lpm for panels ≤ 10mm | 941922 |

Offset connector

Standard



- Offset standard connector 11mm.
- M1/2" - M3/4".
- Escutcheon Ø 64mm.
- L. 50mm.
- Chrome-plated brass.
- Supplied in packs of 2.
- 30-year warranty.



856794.2P

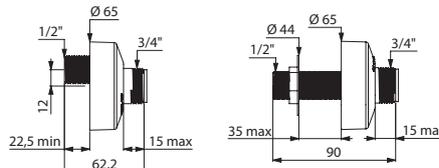
| | |
|----------------------------------|------------------|
| Offset standard connector | 856794.2P |
|----------------------------------|------------------|

In-line connector

With STOP/CHECK



- Chrome-plated brass connector.
- M1/2" - M3/4".
- Escutcheon Ø 65mm.
- STOP function: integrated stopcock.
- CHECK function: checks if non-return valves are watertight where fitted to mixers (DELABIE patented).
- Supplied in packs of 2.
- 30-year warranty.



855755.2P

855755UK.2P

| Wall connector with STOP/CHECK | |
|---------------------------------------|--------------------|
| Offset 12mm | 855755.2P |
| In-line for cross wall installation | 855755UK.2P |

ECO flow straightener

Pre-set at 3 lpm

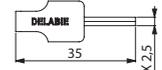


- Flow straightener pre-set at 3 lpm (DELABIE patented).
- Flow rate can be adjusted from 1.4 - 6 lpm at 3 bar (depending on the mixer/tap model) from the outside with a 2.5mm Allen key.
- Flow straightener with no grid: reduces bacterial development (no water retention or scale deposits).
- Supplied in packs of 2.

The water savings generated by the ECO flow straightener surpass the requirements of class 'Z' of the European standard EN 246.



922024.2P



C282025

| Scale-resistant ECO flow straightener | |
|----------------------------------------------|------------------|
| M24/100 | 922024.2P |
| F22/100 | 922022.2P |
| 2.5mm Allen key | C282025 |

ECO aerator

1.4 lpm



- Rain effect aerator.
- 1.4 lpm.
- Ref. 925716.2P to screw in.
- Ref. 925724.2P to insert in an aerator carrier.
- Complies with environmental label requirements.
- Supplied in packs of 2.



925716.2P



925724.2P

| ECO aerator | |
|--------------------|------------------|
| M16.5×100 | 925716.2P |
| M24×100 | 925724.2P |

Comfort aerator

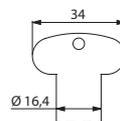
M16.5×100



- Aerator with comfortable spray.
- M16.5×100.
- Supplied in packs of 2.



925616.2P



222429

| Aerator M16.5×100 | |
|--------------------------|------------------|
| Aerator | 925616.2P |
| Service key | 222429 |

BIOSAFE outlet

M16.5×100



- BIOSAFE free flow hygienic outlet.
- M16.5×100.
- With no grid or partitions in contact with the water.
- Water cannot stagnate in the internal part reducing bacterial development.
- Made from Hostaform® reducing the build-up of scale.
- For TEMPOMIX 3 recessed and TEMPOMATIC 4 wall-mounted.
- Supplied in packs of 2.



923016.2P

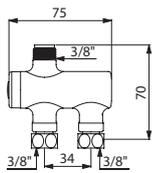
| BIOSAFE outlet M16.5×100 | |
|---------------------------------|------------------|
| BIOSAFE outlet | 923016.2P |
| Service key | 222429 |

PREMIX NANO

Thermostatic mixing valve



- Thermostatic mixing valve for MW distribution.
- Temperature can be adjusted from 34 - 60°C.
- To be placed upstream of the tap.
- Anti-scalding failsafe.
- Filters and non-return valves.
- Thermal shocks are possible.
- Supplies 1 - 2 taps.
- 30-year warranty.



732012

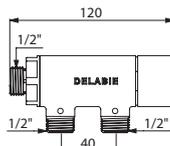
| PREMIX NANO | |
|------------------------|------------------|
| Nickel, FFM 3/8" | 732012 |
| Polished, FFM 3/8" | 732016 |
| Nickel, M1/2" Ø 15mm | 732115 |
| Nickel, F1/2" Ø 15mm | 732115MEC |
| Polished, M1/2" Ø 15mm | 732116 |

PREMIX COMPACT

Thermostatic mixing valve



- Thermostatic mixing valve for MW distribution.
- Temperature can be adjusted from 30 - 60°C.
- To be placed upstream of the taps.
- Anti-scalding safety.
- Filters and non-return valves.
- Thermal shocks are possible.
- For 2 to 6 points-of-use.
- 30-year warranty.



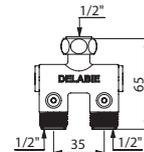
733015

| PREMIX COMPACT | |
|----------------|---------------|
| M1/2" | 733015 |
| M3/4" | 733020 |
| M1/2" Ø 15mm | 733115 |
| M3/4" Ø 15mm | 733116 |

Pre-mixer Compact



- For installation beneath the basin.
- Nickel-plated body MF1/2".
- Controllable non-return valves and filters.
- 30-year warranty.



200000

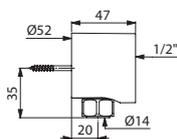
| | |
|--------------------------|---------------|
| Pre-mixer Compact | 200000 |
|--------------------------|---------------|

Reinforced exposed union

For TEMPOMATIC 3 and 4



- Reinforced exposed union.
- Supplied with sleek concealment plate.
- Recommended for the installation of TEMPOMATIC 3 or TEMPOMATIC 4 wall-mounted basin taps with exposed supply.
- 30-year warranty.



841215

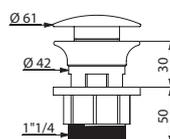
| | |
|--------------------------------------------|---------------|
| Reinforced exposed union with cover | 841215 |
|--------------------------------------------|---------------|

ON/OFF waste

With stainless steel valve



- Washbasin waste M1 1/4" with stainless steel valve with free flow.
- Recommended for all washbasins equipped with electronic or time flow mixers/taps and washbasins with an overflow.
- Open/close by pressing the top of the waste.
- 30-year warranty.



581000

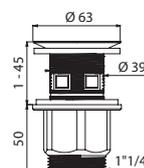
| | |
|---------------------|---------------|
| ON/OFF waste | 581000 |
|---------------------|---------------|

HYGIÉNA waste

With concave grid



- Hygienic washbasin waste, M1 1/4".
- Concave grid (no water retention).
- Free flow, with no central screw (avoids scale deposits and reduces bacterial development).
- Polished chrome-plated brass grid, chrome-plated ABS body.
- Pre-scored waste: snap off sections can be removed for models with overflow.
- Can be tightened to a minimum of 1mm or maximum of 45mm.
- 30-year warranty.



611

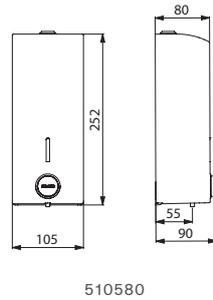
| | |
|----------------------|------------|
| HYGIÉNA waste | 611 |
|----------------------|------------|

Soap dispenser

With soft-touch operation



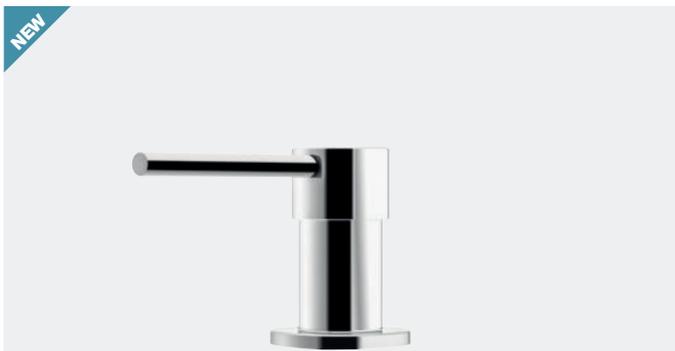
- Vandal-resistant model with lock and standard DELABIE key.
- One-piece, hinged cover for easy maintenance and better hygiene.
- Push-button with soft-touch operation.
- Anti-blocking: single dose per press, even when the button is pressed for long periods.
- No waste, non-drip pump-action dispenser.
- Tank with large opening: eases transfer of soap from large containers.
- For vegetable-based liquid soap with a maximum viscosity of: 3,000 mPa.s.
- Compatible with hydroalcoholic gel. 30-year warranty.



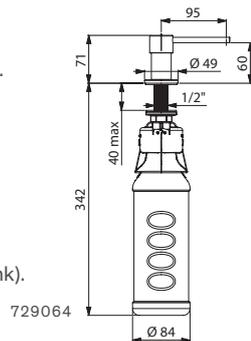
| Soft-touch operation liquid soap dispenser - 1 Litre | |
|------------------------------------------------------|---------------|
| 304 stainless steel bright polished finish | 510580 |
| 304 stainless steel polished satin finish | 510582 |
| 304 stainless steel white powder-coated | 510581 |

Liquid soap dispenser

Deck-mounted



- Model for installing on washbasins.
- Vandal-resistant model.
- Chrome-plated brass body and push-button.
- Non-drip system (waterproof).
- Discreet locking mechanism: unlocks without special tools and automatic locking.
- Models with tank: compatible with hydro-alcoholic gel, top fill (by unscrewing the push-button) or from the lower part (by unscrewing the tank).
- 30 year warranty.



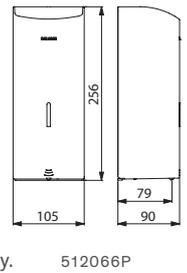
| Deck-mounted liquid soap dispenser | |
|--------------------------------------------------------|---------------|
| With 1 litre tank | 729064 |
| With 0.5 litre tank | 729564 |
| With 1.2m flexible tube for remote tank (not included) | 729164 |

Electronic soap dispenser

Wall-mounted, battery-operated



- Vandal-resistant model with lock and standard DELABIE key.
- No manual contact: hands are automatically detected by infrared cell.
- One-piece, hinged cover for easy maintenance and better hygiene.
- No waste pump dispenser: dispenses 0.8ml (can be adjusted up to 7 doses per activation).
- Power supply: 6 AA – 1.5V (DC9V) batteries supplied integrated in the soap dispenser body.
- For vegetable-based liquid soap with a maximum viscosity of: 3,000 mPa.s.
- Compatible with hydroalcoholic gel. 30-year warranty.



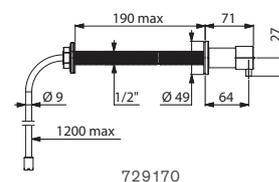
| Electronic liquid soap dispenser – 1 Litre | |
|-----------------------------------------------|-----------------|
| 304 stainless steel bright polished finish | 512066P |
| 304 stainless steel polished satin finish | 512066S |
| 304 stainless steel white powder-coated | 512066W |
| 304 stainless steel matte black powder-coated | 512066BK |

Liquid soap dispenser

Cross wall



- Cross wall installation for walls up to 190mm.
- Body and push-button in bright polished 304 stainless steel.
- Non-drip system (waterproof).
- Supplied with a 1.2m flexible tube for remote tank (not included).
- 30 year warranty.



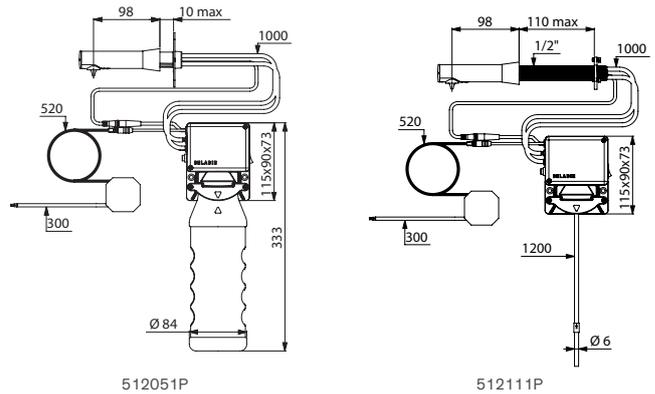
| Cross wall liquid soap dispenser | 729170 |
|----------------------------------|---------------|
|----------------------------------|---------------|

BINOPTIC electronic liquid or foam soap dispenser

Wall-mounted or cross wall, mains supply



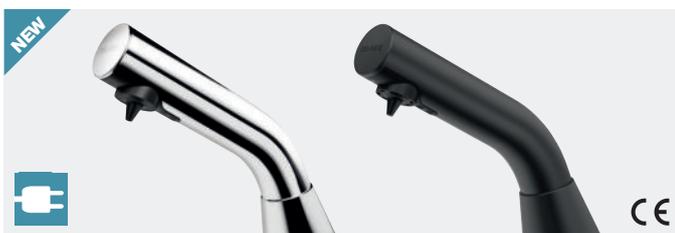
- Wall-mounted or vandal-resistant cross wall (TC) up to 110mm.
- No manual contact: infrared cell detects hands automatically.
- 304 stainless steel spout.
- No-waste pump dispenser.
- Independent electronic housing and removable tank enable installation beneath the washbasin.
- Mains supply with 230/6V transformer.
- For vegetable-based liquid soap with a maximum viscosity of 3,000 mPa.s or specialist foam soap.
- Models with tank: compatible with hydroalcoholic gel.
- Spout length: 115mm.
- CE marked.
- 30-year warranty.



| Wall-mounted BINOPTIC electronic soap dispenser | |
|------------------------------------------------------|-----------------|
| Chrome-plated 304 stainless steel | |
| Wall-mounted, with 1 litre tank | 512051P |
| Wall-mounted, with 0.5 litre tank | 512551P |
| Wall-mounted, with 1.2m flexi. tube for remote tanks | 512151P |
| Cross wall, with 1.2m flexible tube for remote tanks | 512111P |
| Matte black 304 stainless steel | |
| Wall-mounted, with 1 litre tank | 512051BK |
| Wall-mounted, with 0.5 litre tank | 512551BK |
| Wall-mounted, with 1.2m flexi. tube for remote tanks | 512151BK |
| Cross wall, with 1.2m flexible tube for remote tanks | 512111BK |

BINOPTIC electronic soap dispenser

Deck-mounted, mains supply



- No manual contact: infrared cell detects hands automatically.
- No-waste pump dispenser.
- Independent electronic housing and removable tank enable installation beneath the washbasin.
- Mains supply with 230/6V transformer.
- For vegetable-based liquid soap with maximum viscosity of 3,000 mPa.s or specialist foam soap.
- Models with tank: compatible with hydroalcoholic gel.
- Spout: L. 105mm in 304 stainless steel.
- CE marked. 30-year warranty.

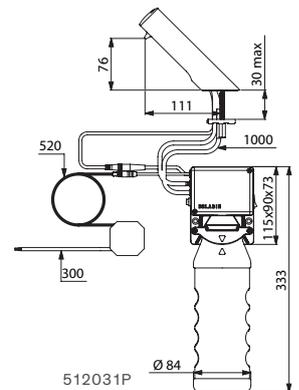
| Deck-mounted BINOPTIC electronic soap dispenser | |
|-------------------------------------------------|-----------------|
| Chrome finish | |
| With 1 litre tank | 512021P |
| With 0.5 litre tank | 512521P |
| With 1.2m flexible tube for remote tank | 512121P |
| Matte black finish | |
| With 1 litre tank | 512021BK |
| With 0.5 litre tank | 512521BK |
| With 1.2m flexible tube for remote tank | 512121BK |

TEMPOMATIC 4 electronic soap dispenser

Deck-mounted, mains supply



- No manual contact: infrared cell detects hands automatically.
- No-waste pump dispenser.
- Independent electronic housing and removable tank enable installation beneath the washbasin.
- Mains supply with 230/6V transformer.
- For vegetable-based liquid soap with maximum viscosity of 3,000 mPa.s or specialist foam soap.
- Models with tank: compatible with hydroalcoholic gel.
- Spout: L. 111mm in 304 stainless steel.
- CE marked.
- 30-year warranty.



| Deck-mounted TEMPOMATIC 4 electronic | |
|-----------------------------------------|----------------|
| With 1 litre tank | 512031P |
| With 0.5 litre tank | 512531P |
| With 1.2m flexible tube for remote tank | 512131P |



Showers

ELECTRONIC
SHOWER PANELS
75



TIME FLOW
SHOWER PANELS
87



ELECTRONIC
CONTROLS
109



TIME FLOW
CONTROLS
113



ADDITIONAL
FITTINGS
136



POINT-OF-USE
FILTERS
139





HYGIENE AND CONTROLLING BACTERIAL PROLIFERATION

Opens/closes automatically, with no manual contact

Electronic shower panels are operated by active infrared detection. Flow opens/shuts off when the detector senses hands.

No manual contact prevents the spread of germs.

Anti-bacterial duty flush programme

If a shower is not used for prolonged periods of time, water stagnates in the pipework, which favours the development of bacteria (e.g. isolated points-of-use, facilities closed during holidays, etc.).

DELABIE's electronic shower panels have a duty flush programme.

An automatic flush takes place for approximately 60 seconds every 24 hours after the last use.

Reduced-stagnation solenoid valve

Most solenoid valves are fitted with a rubber membrane behind which water stagnates and is not renewed. This can lead to bacterial proliferation.

DELABIE has developed a technology without a membrane (patented system).

With this piston-operated solenoid valve, water is drained and renewed with every use which reduces bacterial development.

The solenoid valve's self-cleaning system with a calibrated groove reduces the build-up of dirt. Furthermore, its slow closure eliminates water-hammer.

Thermal shocks

With SECURITHERM technology, it is possible to undertake thermal shocks without removing the panel. Simply press the red button with a pointed tool to override the maximum temperature limiter.

DESIGN

DELABIE's products, known for their endurance and reliability, have a timeless design.

Aesthetic products are subject to less vandalism as they are better respected. The smooth shape of the showers reduces the build-up of dirt and facilitates cleaning.

Easy but secure access to the control mechanisms ensures easy maintenance.

80% WATER AND ENERGY SAVINGS

Water savings

Compared to conventional showers, electronic shower panels can offer maximum water savings. They ensure the manager's water bills can be reduced whilst preserving user comfort.

- **Automatic shut-off and split delivery**

The shower can be interrupted at any moment by the user. If the user forgets, a security shut-off stops the flow after 60 seconds.

This removes the risk of waste through negligence. The flow time is reduced to the necessary minimum (wetting, rinsing).

- **Flow rate 6 lpm**

DELABIE's electronic shower panels are regulated at 6 lpm. The flow rate remains constant regardless of pressure variations in the system.

Energy savings

Electronic shower panels do not require much energy to operate.

DELABIE has chosen infrared active pulse technology, a low-power consumption solution.

The infrared beam is emitted intermittently, saving energy while ensuring effective detection.

Battery-operated models have an average lifespan of 350,000 cycles (i.e. 3 to 6 years) depending on the frequency of use.

The Lithium batteries used are widely available, affordable and recyclable.

The significant hot water savings provided by DELABIE's shower panels also result in energy savings.

Environmental labels

The water and energy saving performance of DELABIE's shower panels means that buildings achieve the highest performance standards for international rating schemes such as LEED, BREEAM or HQE.

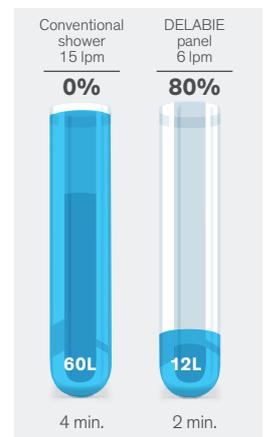
For more information see page 8.



Hygiene and controlling bacterial proliferation



Reduced-stagnation solenoid valve



Water savings per use

COMPARISONS OF WATER CONSUMPTION

Comparison between a conventional shower and a DELABIE electronic panel

| Flow rate | Wetting | Soaping | Rinsing | Water consumption |
|-----------|---------|---------|---------|----------------------|
| 15L | 1 min. | 2 min. | 1 min. | 60L 4 min. |
| 6L | 1 min. | 1 min. | 1 min. | 12L 2 min. |



Anti-scalding safety



Choose length and finish



Vandal-resistant



Our panel solutions

TECHNICAL SOLUTIONS SUITABLE FOR ALL CONSTRAINTS

ON/OFF mode: activation with no manual contact

Electronic detection allows all users (children, the elderly or people with reduced mobility) to use the shower with no effort required. Voluntary activation and closure with no manual contact provide perfect hygiene.

Comfort

• Comfort rain-effect spray

The rain-effect nozzle featured on DELABIE's shower systems provides optimal comfort with minimal water consumption: a great showering experience without wasting water - it's definitely possible!

• Temperature selection

Users choose the temperature themselves using the **SECURITHERM control**.

• Temperature stability

SECURITHERM thermostatic panels provide additional comfort by perfectly regulating water temperature, even in the event of pressure variations.

• Prevents cold showers

SECURITHERM thermostatic technology ensures **automatic shut-off if the hot water fails**.

Anti-scalding safety

• Maximum temperature limiter

DELABIE's shower mixers are delivered with a **pre-set maximum temperature limiter** which can be adjusted during installation. The user cannot increase the temperature above the maximum set temperature, reducing any risk of scalding.

• Anti-scalding failsafe

SECURITHERM thermostatic technology ensures that **the hot water shuts off immediately if the cold water fails**.

Types of supply

The electronic shower panels are available with **top inlet** or **concealed inlet**.

Sizes and finishes

DELABIE's shower panels are available in two different finishes: **aluminium** H. 1.0m, W. 21cm and **satin stainless steel** H. 1.20m, W. 25cm. The large models are ideal for hiding the traces of previous recessed installations.

SPECIFICALLY DESIGNED FOR COMMERCIAL ENVIRONMENTS

DELABIE's shower panels do not need to be recessed and respond to the need for vandal-resistant products in public environments whilst preserving user comfort.

Easy to install

The shower panels are delivered ready to mount and are quick to install.

Resistant to intensive use and vandalism

Shower panels are specifically designed to withstand intensive use as well as voluntary and involuntary vandalism.

The panels are made from **durable** and **resistant materials** whilst the controls and shower heads are made from chrome-plated solid brass.

The mechanisms and sensors are **shock-resistant**.

The panel **fixings** are **reinforced** and **concealed**.

The ends are concealed to make the back of the panel inaccessible. **Streamlined designs** discourage unwanted removal.

To prevent abuse and waste, the **security shut-off** system prevents the valve from being blocked in continuous flow.

Superior endurance

DELABIE's electronic shower panel systems are hard-wearing. The piston-operated solenoid valve is self-cleaning, which extends its lifespan to over **500,000 operations**.

DELABIE's controls perform to the highest standards. Each model is subjected to endurance tests under extreme conditions in endurance laboratories.

Simple to maintain

The **spare parts** are **standardised** to ensure quick and easy replacement by maintenance staff.

Access to the battery and mixer cartridge is from the **front, without having to remove the panel**.

Reliable presence detection

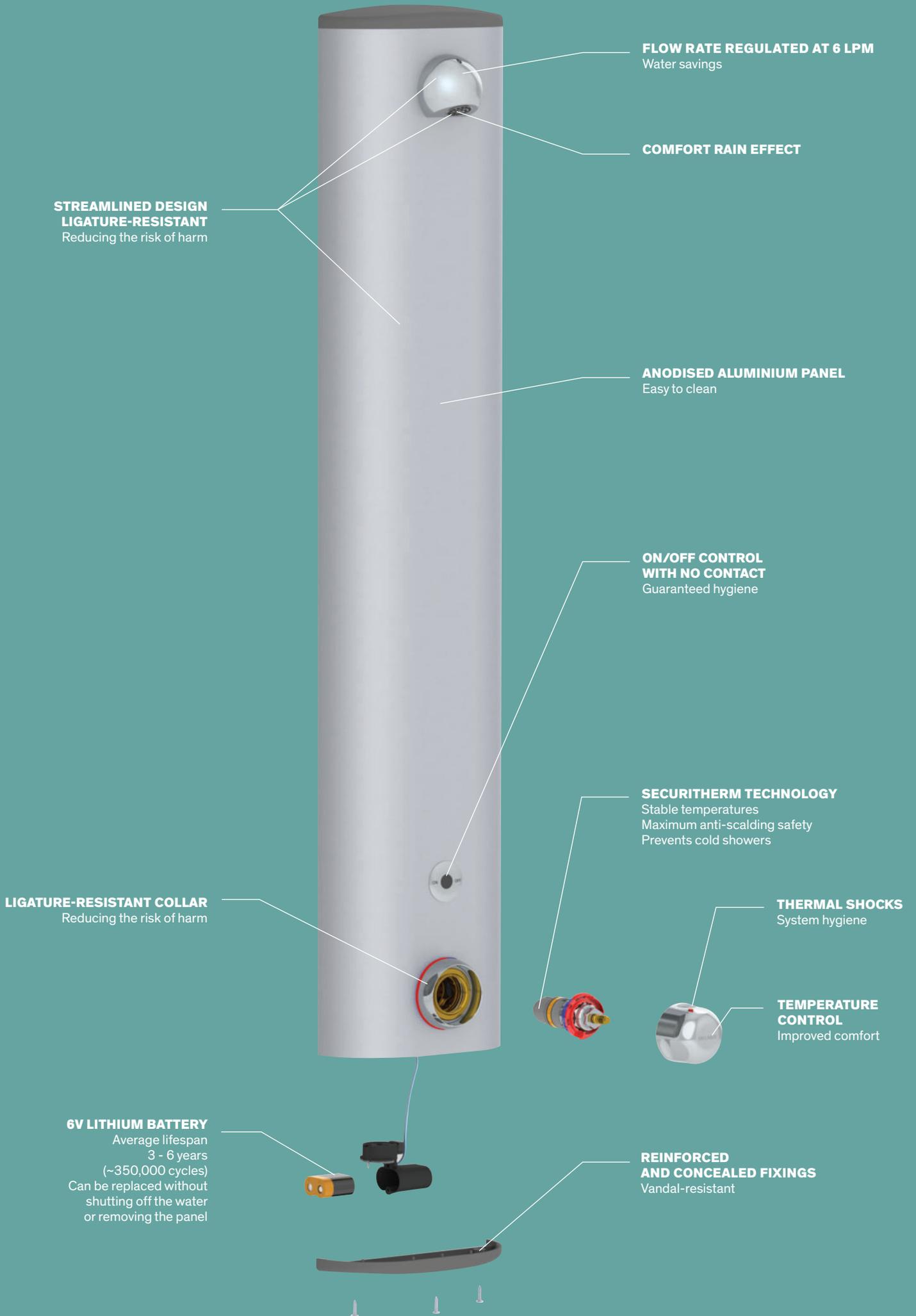
DELABIE has chosen the most reliable detection system: **infrared active pulse**. It cannot be adjusted or affected by variations in light levels.

30-year warranty against any manufacturing defects.
50 years reparability.

Technical characteristics

| | |
|-------------------------------------------|--------------------------------------------------------------------------------|
| Operating pressure | 1 - 5 bar, 3 bar recommended |
| Pressure differential CW / HW | $\Delta P < 1$ bar |
| Electrical supply* | 230V / 50Hz class II (without earth connection) |
| 6V Lithium battery* | 223 CR-P2 standard battery Average lifespan ~350,000 cycles or 3 to 6 years |
| Duty flush programme | 24hr after the last use |
| Automatic shut-off in event of negligence | Prevents blocking in the open position |
| Temperature limiter | Can be adjusted |
| HW supply | 55°C |
| CE | Complies with European directives CEM 2014/30/UE and BT 2014/35/UE |

* Depending on model



FLOW RATE REGULATED AT 6 LPM
Water savings

COMFORT RAIN EFFECT

**STREAMLINED DESIGN
LIGATURE-RESISTANT**
Reducing the risk of harm

ANODISED ALUMINIUM PANEL
Easy to clean

**ON/OFF CONTROL
WITH NO CONTACT**
Guaranteed hygiene

SECURITHERM TECHNOLOGY
Stable temperatures
Maximum anti-scalding safety
Prevents cold showers

LIGATURE-RESISTANT COLLAR
Reducing the risk of harm

THERMAL SHOCKS
System hygiene

TEMPERATURE CONTROL
Improved comfort

6V LITHIUM BATTERY
Average lifespan
3 - 6 years
(~350,000 cycles)
Can be replaced without
shutting off the water
or removing the panel

**REINFORCED
AND CONCEALED FIXINGS**
Vandal-resistant



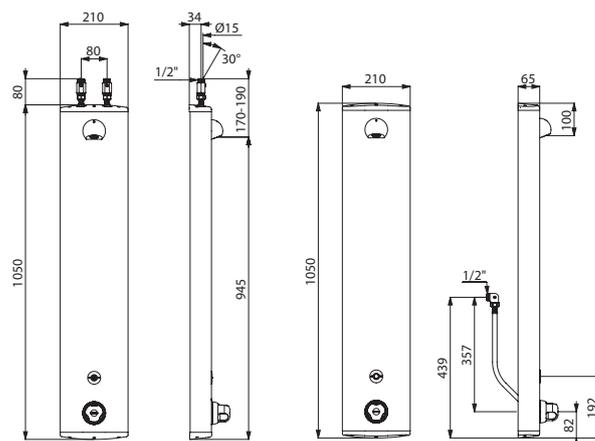
- **Water savings:** 80%
- **Hygiene:** no manual contact, anti-bacterial duty flush
- **Comfort:** temperature selection directly via the mixer, thermostatic control, voluntary or automatic shut-off, rain effect
- **Anti-scalding failsafe:** automatic shut-off if cold water fails

SECURITHERM aluminium

Thermostatic electronic shower panel



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- **SECURITHERM thermostatic shower mixer.**
- Adjustable temperature control from cold water up to 38°C with 1st limiter set at 38°C and 2nd limiter set at 41°C.
- **Anti-scalding failsafe:** automatic shut-off if cold water fails.
- **Prevents cold showers:** automatic shut-off if hot water fails.
- Thermal shocks are possible.
- **Battery-operated with 223 CR-P2 6V Lithium battery.**
- Infrared presence detection. Shower starts when hand is moved towards the sensor (detection distance ~4cm).
- Shuts off voluntarily or automatically after ~60 seconds.
- **Duty flush** (~60 seconds every 24 hours after the last use).
- **Flow rate 6 lpm** at 3 bar, comfort rain effect.
- Chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation.
- Concealed fixings.
- Filters and non-return valves.
- Suitable for people with reduced mobility.
- 30-year warranty.



79240015

792410

| SECURITHERM aluminium electronic shower panel | |
|-------------------------------------------------------------------------------|-----------------|
| Top inlet via in-line stopcocks M $\frac{1}{2}$ " | 792400 |
| Top inlet via in-line stopcocks \varnothing 15mm for compression fittings * | 79240015 |
| Concealed inlet via flexibles M $\frac{1}{2}$ " | 792410 |
| Concealed inlet via flexibles M $\frac{1}{2}$ " * | 792410UK |

* Single temperature limiter set at 41°C

We recommend installing a floor trap (see page 131)

Option: extension for shower panel (see page 106)



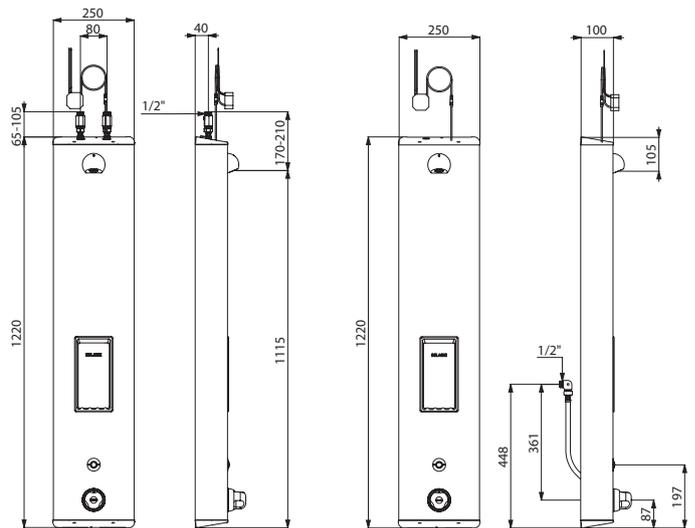
- **Water savings:** 80%
- **Hygiene:** anti-bacterial duty flush
- **Comfort:** temperature selection directly via the mixer, thermostatic control, voluntary or automatic shut-off, rain effect
- **Anti-scalding failsafe:** automatic shut-off if cold water fails

SECURITHERM satin stainless steel

Thermostatic electronic shower panel



- Large satin stainless steel shower panel for wall-mounted, exposed installation.
- **SECURITHERM thermostatic shower mixer.**
- Adjustable temperature control from cold water up to 38°C with 1st limiter set at 38°C and 2nd limiter set at 41°C.
- **Anti-scalding failsafe:** automatic shut-off if cold water fails.
- **Prevents cold showers:** automatic shut-off if hot water fails.
- Thermal shocks are possible.
- **230/6V mains supply.**
- **Operation:** shower starts when the electronic push-button is pressed.
- Shuts off voluntarily or automatically after ~60 seconds.
- **Duty flush** (~60 seconds every 24 hours after the last use).
- **Flow rate 6 lpm** at 3 bar, comfort rain effect.
- Chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation.
- Concealed fixings.
- Filters and non-return valves.
- Stopcocks.
- Suitable for people with reduced mobility.
- 30-year warranty.



792504

792514

| SECURITHERM electronic shower panel | |
|---------------------------------------|---------------|
| Top inlet via in-line stopcocks M1/2" | 792504 |
| Concealed inlet via flexibles M1/2" | 792514 |

We recommend installing a floor trap (see page 131)
Option: extension for shower panel (see page 106)





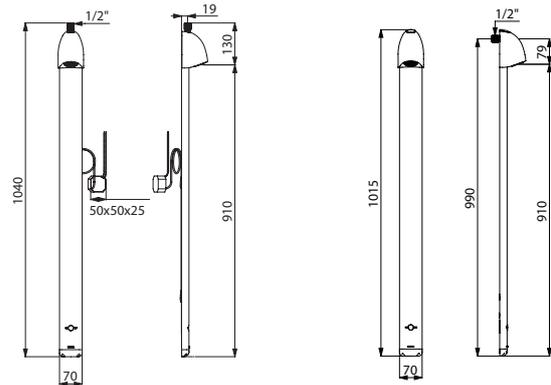
- **Water savings:** 80%
- **Hygiene:** no manual contact, anti-bacterial duty flush
- **Vandal-resistant:** aluminium panel, streamlined design, concealed fixings, ligature-resistant shower head
- **Maintenance:** made easy thanks to accessible stopcock and filter

SPORTING 2

Electronic shower panel



- Anodised aluminium and chrome-plated satin finish.
- **Adjustable connector for top or back inlets.**
- Slimline structure with concealed fixings.
- **230/6V mains supply** or **CR123 6V Lithium batteries.**
- Infrared presence detection. Shower starts when hand is moved towards the sensor (detection distance ~4cm).
- Shuts off voluntarily or automatically after ~60 seconds.
- **Duty flush** (~60 seconds every 24 hours after the last use).
- **Flow rate 6 lpm** at 3 bar, comfort rain effect.
- Tamperproof, fixed shower head with automatic flow rate regulation.
- Accessible filter.
- **Integrated stopcock.**
- M $\frac{1}{2}$ " connection for mixed water supply.
- Suitable for people with reduced mobility.
- 30-year warranty.



714800

714806

| SPORTING 2 electronic shower panel | |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Mains supply | 714800 |
| Battery-operated | 714806 |
| We recommend installing a TMV (see page 143) and a floor trap (see page 131) Option: soap dish and BIOFIL filter (see pages 106 and 141) | |

SHOWERS



Hygiene and controlling bacterial proliferation

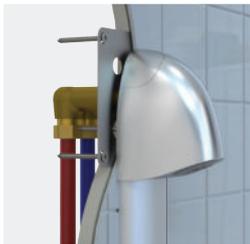


Anti-scalding safety

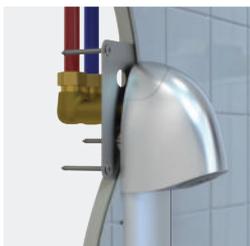
Multiple installation options



Exposed water inlets



Recessed water inlets from below



Recessed water inlets from above

SPORTING 2 SECURITHERM ELECTRONIC SHOWER PANEL: THE ANTI-LEGIONELLA SOLUTION

Preventative anti-legionella solution

The Health and Safety Executive's guidance HSG 274 Part 2 (2014) recommends **maintaining the hot water temperature permanently above 50°C** at all points in the system in order to prevent any risk of Legionella bacteria proliferation. Water must be **mixed as close as possible to points-of-use**.

The SPORTING 2 SECURITHERM is the solution to preventing the risk of bacterial proliferation.

Hygiene

The **thermostatic mixer is integrated in the head** of the SPORTING 2 SECURITHERM panel. Hot water arrives directly from the network where it is mixed with cold water. There is therefore **no mixed water between the circulating loop and the point-of-use**, which significantly reduces the risk of bacterial development.

The electronic SPORTING 2 has an **anti-bacterial duty flush programme**.

An automatic flush takes place for approximately 60 seconds every 24 hours after the last use, therefore avoiding water stagnation in the pipework.

The SPORTING 2 SECURITHERM ensures a shower without bacteria.

Anti-scalding failsafe

SECURITHERM thermostatic technology ensures automatic shut-off if the cold water fails. **The SPORTING 2 SECURITHERM removes all risk of scalding.**

Comfort

• Temperature stability

The SPORTING 2 SECURITHERM panel **delivers water at a stable temperature**, even in the event of pressure variations.

• Prevents cold showers

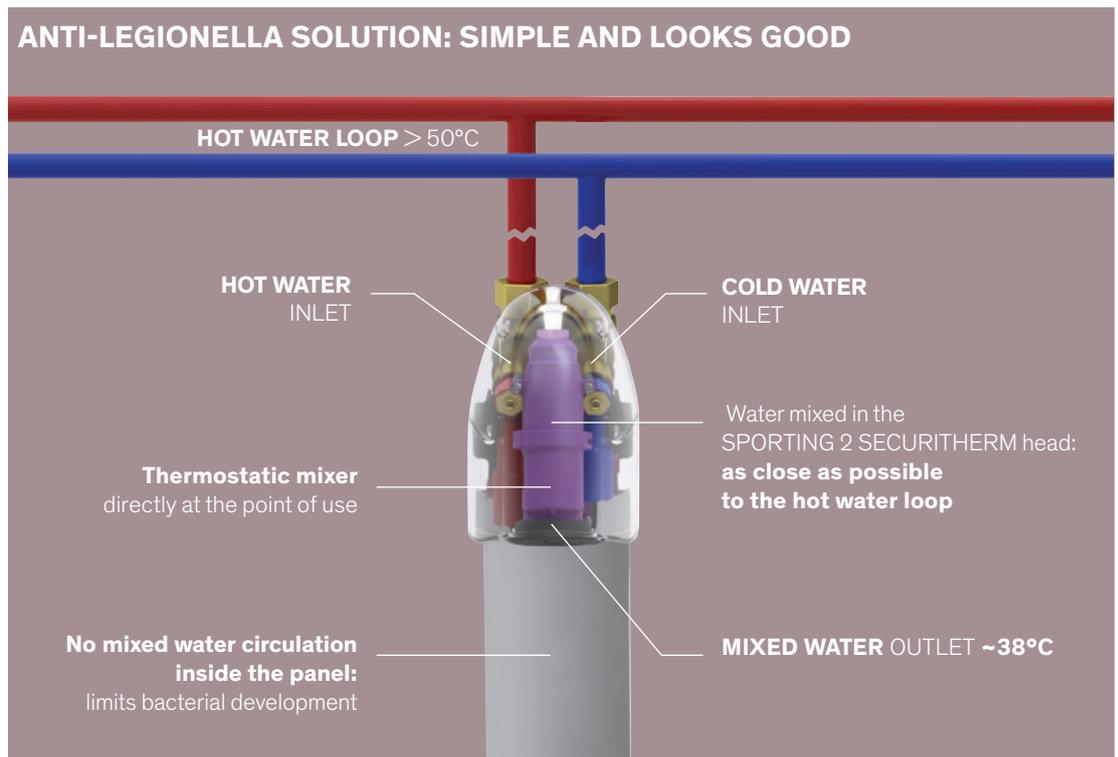
SECURITHERM thermostatic technology ensures **automatic shut-off if the hot water fails**.

Multiple installation options

The panel is available in 2 versions:

- exposed water inlets, for connection in front of the wall, from above
- recessed water inlets for connection from behind the wall from above or below.

30-year warranty against any manufacturing defects. **50 years reparability.**





- **Water savings:** 80%
- **Hygiene:** no manual contact, anti-bacterial duty flush
- **Anti-scalding failsafe:** automatic shut-off if cold water fails
- **Vandal-resistant:** aluminium panel, streamlined design, concealed fixings, ligature-resistant shower head

SPORTING 2 SECURITHERM

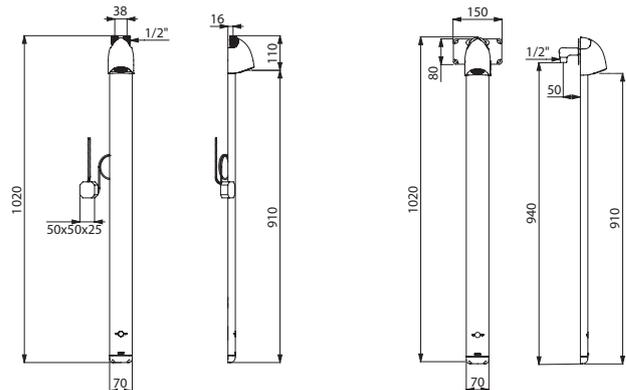
Thermostatic and electronic shower panel



- Anodised aluminium and chrome-plated satin finish.
- Slimline structure with concealed fixings.
- **230/6V mains supply** or **CR123 6V Lithium batteries**.
- Infrared presence detection. Shower starts when hand is moved towards the sensor (detection distance ~4cm).
- Shuts off voluntarily or automatically after ~60 seconds.
- **Duty flush** (~60 seconds every 24 hours after the last use).
- **Flow rate 6 lpm** at 3 bar, comfort rain effect.
- Tamperproof, fixed shower head with automatic flow rate regulation.
- Accessible filters and non-return valves.
- **Integrated stopcocks.**
- M $\frac{1}{2}$ " connections (compact nanny joint for recessed models).
- Suitable for people with reduced mobility.
- 30-year warranty.

SECURITHERM technology:

- **Thermostatic mixer** directly integrated in the head of the shower panel.
- Temperature pre-set by the installer.
- **Stable temperature preset at 38°.**
- **Anti-scalding failsafe:** automatic shut-off if cold water fails.
- **Prevents cold showers:** automatic shut-off if hot water fails.



714900

714612 + 714916

* *Provisional availability 1st half 2025.*
 Please contact the sales office to check availability.

SPORTING 2 SECURITHERM electronic shower panel

With rain effect shower head

| | |
|-----------------------------------------------|-----------------|
| Mains supply - Top inlet | 714900 |
| Battery-operated - Top inlet | 714906 |
| * Kit 1: Nanny joint for recessed water inlet | 714012 |
| * Kit 2: Shower panel mains supply | + 714910 |
| * Kit 1: Nanny joint for recessed water inlet | 714612 |
| * Kit 2: Shower panel battery operated | + 714916 |

We recommend installing a floor trap (see page 131)

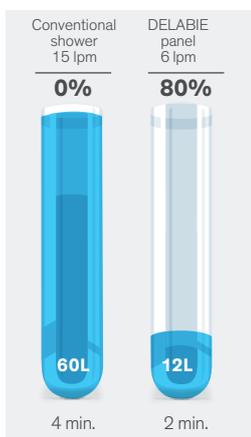
Option: soap dish (see page 106)



Hygiene and controlling bacterial proliferation



Reduced-stagnation solenoid valve



Water savings per use



Vandal-resistant

HYGIENE AND CONTROLLING BACTERIAL PROLIFERATION

Opens/closes automatically, with no manual contact

The SPORTING 2 is operated by infrared detection. Flow opens/shuts off when the detector senses hands. No manual contact prevents the spread of germs by hand.

Anti-bacterial duty flush programme

If a shower is not used for prolonged periods of time, water stagnates in the pipework, which favours the development of bacteria (e.g. isolated points-of-use, facilities closed during the holidays, etc.). The electronic SPORTING 2 has a duty flush programme.

An automatic flush takes place for approximately 60 seconds every 24 hours after the last use.

Reduced-stagnation solenoid valve

Most solenoid valves are fitted with a rubber membrane behind which water stagnates and is not renewed. This can lead to bacterial proliferation.

DELABIE has developed a patented system without a membrane. With this piston-operated solenoid valve, water is drained and renewed with every use which reduces bacterial development.

The solenoid valve's self-cleaning system with a calibrated groove reduces the build-up of dirt. Furthermore, its slow closure eliminates water-hammer.

80% WATER AND ENERGY SAVINGS

Water saving

• Automatic shut-off and split delivery

The shower can be interrupted at any moment by the user. If the user forgets, shut-off is automatic after 60 seconds. This removes the risk of waste through negligence. The flow time is reduced to the necessary minimum (wetting, rinsing).

• Flow rate 6 lpm

The electronic SPORTING 2 has a pre-set flow rate of 6 lpm.

Energy savings

The SPORTING 2 uses infrared technology which has a low energy consumption. The ray, emitted intermittently, saves energy while guaranteeing effective detection.

Lithium batteries have a lifespan of 3 to 6 years depending on the frequency of use.

These batteries are widely available, affordable and recyclable.

Environmental labels

The water and energy saving performance of the SPORTING 2 means that buildings achieve the highest performance standards for international rating schemes such as HQE, BREEAM or LEED. For more information see page 8.

SPECIFICALLY DESIGNED FOR COMMERCIAL ENVIRONMENTS

Modularity

The SPORTING 2 panel offers two types of supply: from the top or from behind.

Comfort

• Comfort rain-effect spray

The rain-effect nozzle featured on DELABIE's shower systems provides optimal comfort with minimal water consumption: a great showering experience without wasting water - it's definitely possible!

The panel can be used by all users (children, the elderly or people with reduced mobility).

Temperature stability and anti-scalding failsafe

On SECURITHERM versions, a thermostatic mixer is integrated in the panel's shower head.

This technology ensures immediate shut-off of the hot water if the cold water fails (and vice versa) and delivers a stable water temperature, without variations.

Resistant to intensive use and vandalism

The SPORTING 2 has been specifically designed to withstand intensive use and vandalism.

The panel is made from aluminium, a durable and resistant material. The panel fixings are reinforced and concealed. Streamlined designs and the slimline structure discourage unwanted removal.

The ligature-resistant shower head withstands any attempts at unwanted removal or self-harm.

Superior endurance

The SPORTING 2 system is hard-wearing. The piston-operated solenoid valve is self-cleaning, which extends its lifespan to over 500,000 operations.

Minimal servicing

Mechanisms are made from scale-resistant materials (Hostaform®). The panel can be serviced without having to remove it.

Simply remove the cover cap, with the tool supplied, to clean the filter protecting the mechanism.

To simplify the replacement of the solenoid valve or for frost protection, the stopcocks are integrated within the panel.

Simple to maintain

The spare parts are standardised to ensure quick and easy replacement by maintenance staff.

Battery changes can be carried out without removing the panel.

Easy to install

The shower panels are delivered ready to fit and are quick to install.

30-year warranty against any manufacturing defects. **50 years repairability.**

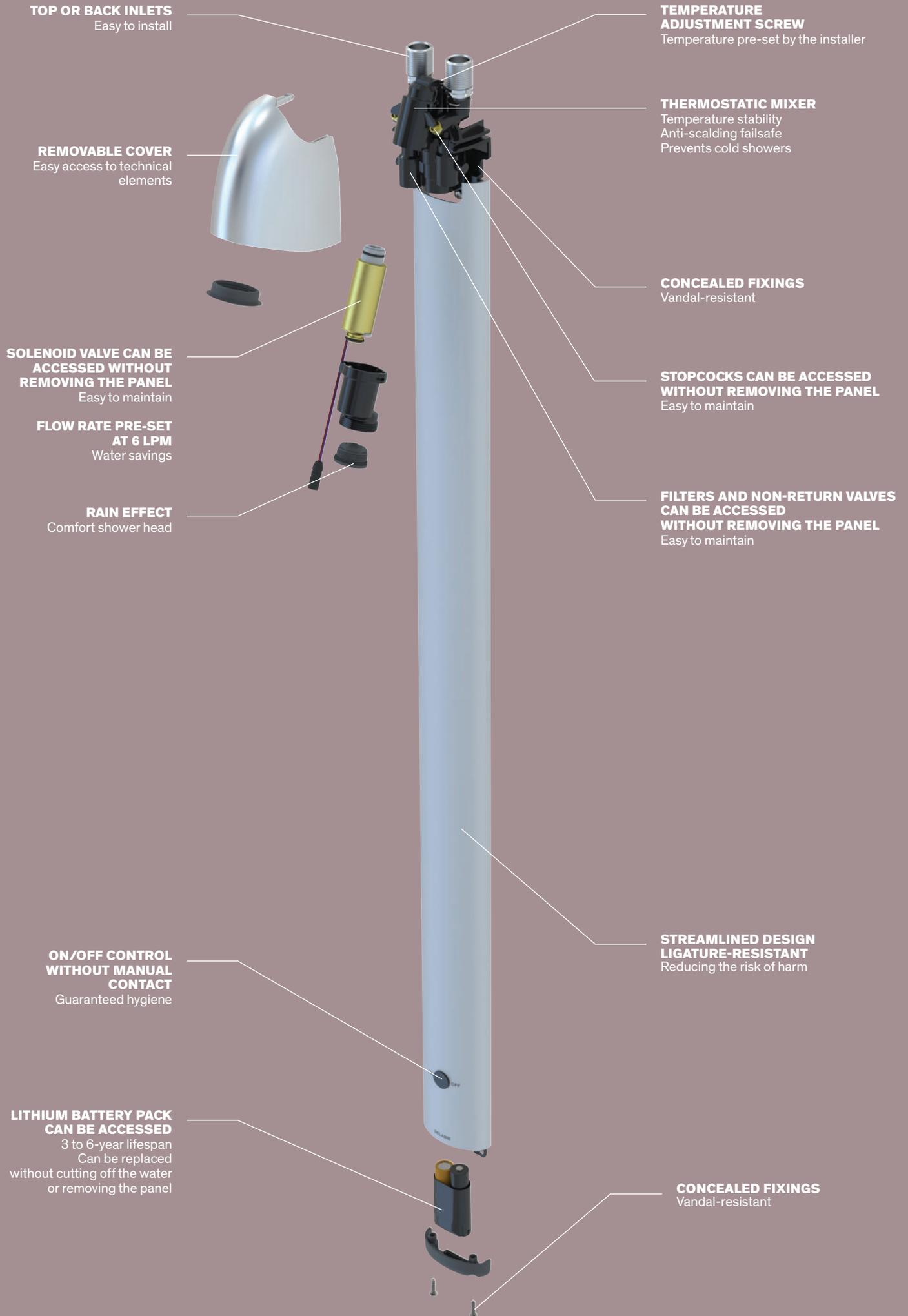
DESIGN

DELABIE's products, known for their endurance and reliability, have a timeless design.

The diversity of the product range fits in perfectly with any commercial installation.

In an office block or shopping centre, it is key that the product fits the space's design.

Aesthetic products are subject to less vandalism as they are better respected. The smooth shape of the showers reduces the build-up of dirt and facilitates cleaning. Easy but secure access to the control mechanisms ensures easy maintenance.



TOP OR BACK INLETS
Easy to install

TEMPERATURE ADJUSTMENT SCREW
Temperature pre-set by the installer

REMOVABLE COVER
Easy access to technical elements

THERMOSTATIC MIXER
Temperature stability
Anti-scalding failsafe
Prevents cold showers

CONCEALED FIXINGS
Vandal-resistant

SOLENOID VALVE CAN BE ACCESSED WITHOUT REMOVING THE PANEL
Easy to maintain

STOPCOCKS CAN BE ACCESSED WITHOUT REMOVING THE PANEL
Easy to maintain

FLOW RATE PRE-SET AT 6 LPM
Water savings

FILTERS AND NON-RETURN VALVES CAN BE ACCESSED WITHOUT REMOVING THE PANEL
Easy to maintain

RAIN EFFECT
Comfort shower head

ON/OFF CONTROL WITHOUT MANUAL CONTACT
Guaranteed hygiene

STREAMLINED DESIGN LIGATURE-RESISTANT
Reducing the risk of harm

LITHIUM BATTERY PACK CAN BE ACCESSED
3 to 6-year lifespan
Can be replaced without cutting off the water or removing the panel

CONCEALED FIXINGS
Vandal-resistant



HYGIENE AND CONTROLLING BACTERIAL PROLIFERATION

Automatic timed shut-off, with no manual contact

Time flow shower panels shut off automatically once the push-button has been pressed and the valve has opened.

No manual contact after washing prevents the spread of germs by hand.

Thermal shocks

With SECURITHERM technology, it is possible to undertake thermal shocks without removing the panel. Simply press the red button with a pointed tool to override the maximum temperature limiter.

DESIGN

Commercial environments and design

DELABIE's products, known for their endurance and reliability, have a timeless design. The diversity of the product range fits in perfectly with any commercial installation. In an office building or a shopping centre, it is paramount that the product design fits in with its surroundings. In prison, products must be resistant and secure: concealed mechanisms, streamlined design, etc.

Design without constraints

Aesthetic products are subject to less vandalism as they are better respected. The smooth shape of the showers reduces the build-up of dirt and facilitates cleaning. Easy but secure access to the control mechanisms ensures easy maintenance.

80% WATER AND ENERGY SAVINGS

Water savings

Compared to conventional showers, time flow shower panels can offer maximum water savings. They ensure the manager's water bills can be reduced whilst preserving user comfort.

- **Automatic shut-off and split delivery**
The time flow is automatic and shuts off after approximately 30 seconds of flow. Time flow panels remove the risk of waste through negligence. The flow time is reduced to the necessary minimum (wetting, rinsing).
- **Flow rate 6 lpm**
The time flow shower panels are regulated at 6 lpm. The flow rate remains constant regardless of pressure variations in the system.

Energy savings

DELABIE's time flow shower panels operate completely autonomously with no need for an electrical supply. They do not consume any power at all. The significant hot water savings provided by the shower panels also result in energy savings.

Ecological

DELABIE's shower panels are made from materials that are 100% recyclable which ensures that the products receive the best ecological assessment in their category.

Environmental labels

The water and energy saving performance of the shower panels means that buildings achieve the highest performance standards for international rating schemes such as LEED, BREEAM or HQE.

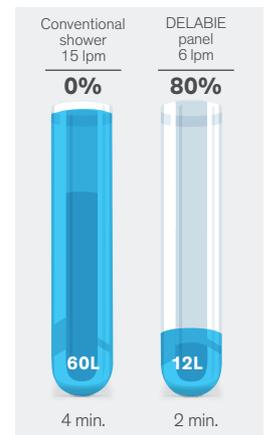
For more information see page 8.



Hygiene and controlling bacterial proliferation



Optimised time flow



Water savings per use

COMPARISONS OF WATER CONSUMPTION

Comparison between a conventional shower and a DELABIE time flow panel

| Flow rate | Wetting | Soaping | Rinsing | Water consumption |
|-----------|-------------|--------------------|-------------|----------------------|
| 15L | 1 min. | 2 min. | 1 min. | 60L 4 min. |
| 6L | 2 x 30 sec. | Soaping | 2 x 30 sec. | 12L 2 min. |



Soft technology:
soft-touch operation



Anti-scalding safety



Choice of sizes and finishes



Our panel solutions

TECHNICAL SOLUTIONS SUITABLE FOR ALL CONSTRAINTS

Public and commercial buildings have different requirements depending on the place of installation and type of user. DELABIE has developed specific products to respond to a variety of challenges (improving comfort, avoiding waste, user safety, etc.).

Soft technology: soft-touch operation

DELABIE has developed time flow controls with **soft-touch operation**. Soft technology allows all users (children, the elderly or people with reduced mobility) to use the showers with no effort required.

TEMPOSOFT panels are fitted with a priming system that requires half the effort to operate, compared to conventional showers.

Comfort

• Temperature selection

Users choose the temperature themselves using the **TEMPOMIX** or **SECURITHERM** control.

• Temperature stability

SECURITHERM thermostatic panels provide additional comfort by perfectly regulating water temperature, even in the event of pressure variations.

• Prevents cold showers

SECURITHERM thermostatic technology ensures **automatic shut-off if the hot water fails**.

Anti-scalding safety

• Maximum temperature limiter

DELABIE's mixers are delivered with a **pre-set maximum temperature limiter** which can be adjusted during installation.

The user cannot increase the temperature above the maximum set temperature, reducing any risk of scalding.

• Anti-scalding failsafe

SECURITHERM thermostatic technology ensures that **the hot water shuts off immediately if the cold water fails**.

Types of supply

The electronic shower panels are available with **top inlet** or **concealed inlet**.

Sizes and finishes

DELABIE's shower panels are available in two different finishes: **aluminium** H. 1.0m, W. 21cm and **satín stainless steel** H. 1.20m, W. 25cm. The large models are ideal for hiding the traces of previous recessed installations.

SPECIFICALLY DESIGNED FOR COMMERCIAL ENVIRONMENTS

DELABIE's shower panels do not need to be recessed and respond to the need for vandal-resistant products in public environments whilst preserving user comfort.

Resistant to intensive use and vandalism

DELABIE's shower panels are specifically designed to withstand intensive use as well as voluntary and involuntary vandalism.

The panels are made from **durable** and **resistant materials** whilst the controls and shower heads are made from chrome-plated solid brass.

The mechanisms are **shock-resistant**. The panel **fixings** are **reinforced** and **concealed**. The ends are concealed to make the back of the panel inaccessible. **Streamlined designs** discourage unwanted removal.

Superior endurance

The mechanisms in DELABIE's time flow panels are hard-wearing.

The hydraulic timing system with a calibrated groove is self-cleaning, which extends its lifespan to over **500,000 operations**. There is no metal-metal or metal-plastic friction, ensuring **reliable** and **durable timing**.

DELABIE's controls perform to the highest standards. Each model is subjected to endurance tests under extreme conditions in endurance laboratories.

Simple to maintain

The **spare parts** are **standardised** to ensure quick and easy replacement by maintenance staff.

The whole of the system is integrated within **an interchangeable cartridge which can be accessed from the front, without having to remove the panel**.

Easy to install

The shower panels are delivered ready to mount and are quick to install.

30-year warranty against any manufacturing defects. **50 years reparability**.

Technical characteristics

| | |
|-------------------------------|------------------------------|
| Operating pressure | 1 - 5 bar, 3 bar recommended |
| Pressure differential CW / HW | $\Delta P < 1$ bar |
| Temperature limiter | Can be adjusted |
| HW supply | 55°C |
| Time flow | 30 seconds |

REINFORCED AND CONCEALED FIXINGS
Vandal-resistant

FLOW RATE REGULATED AT 6 LPM
Water savings

RAIN EFFECT
Comfort shower head

STREAMLINED DESIGN LIGATURE-RESISTANT
Reducing the risk of harm

ANODISED ALUMINIUM PANEL
Easy to clean

SOFT TECHNOLOGY
De-pressurising cartridge
Time flow ~30 seconds

SOFT-TOUCH OPERATION
Improved comfort

LIGATURE-RESISTANT COLLAR
Reducing the risk of harm

THERMAL SHOCKS
System hygiene

TEMPERATURE CONTROL
Improved comfort

SECURITHERM TECHNOLOGY
Stable temperatures
Maximum anti-scalding safety
Prevents cold showers





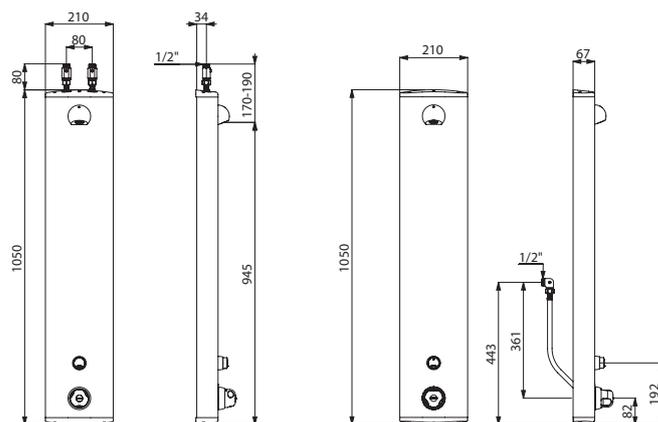
- **Water savings:** 80%
- **Comfort:** temperature selection directly via the mixer, thermostatic control, rain effect
- **Anti-scalding failsafe:** automatic shut-off if cold water fails
- **Vandal-resistant:** aluminium panel, concealed fixings, solid brass shower head and shower valve

SECURITHERM aluminium

Time flow shower panel with fixed shower head



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- **SECURITHERM thermostatic shower mixer.**
- Adjustable temperature control from cold water up to 38°C; with 1st limiter set at 38°C and 2nd limiter set at 41°C (except for references 79230015 and 792310UK: single temperature limiter set at 41°C).
- **Anti-scalding failsafe:** automatic shut-off if cold or hot water supply fails.
- Thermal shocks are possible.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar, comfort rain effect.
- Chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation.
- Concealed fixings.
- Filters and non-return valves.
- Suitable for people with reduced mobility.
- 30-year warranty.



792300

792310UK

SECURITHERM time flow shower panel

Top inlet via in-line stopcocks

| | |
|-------------------------------------------------------------------------|-----------------|
| With soap dish - M $\frac{1}{2}$ " | 792305 |
| Without soap dish - M $\frac{1}{2}$ " | 792300 |
| With integrated soap dish \varnothing 15mm for compression fittings * | 79230015 |

Concealed inlet via flexibles

| | |
|---------------------|-----------------|
| Without soap dish | 792310 |
| Without soap dish * | 792310UK |

* Single temperature limiter set at 41°C

We recommend installing a floor trap (see page 131)

Option: extension for shower panel (see page 106)



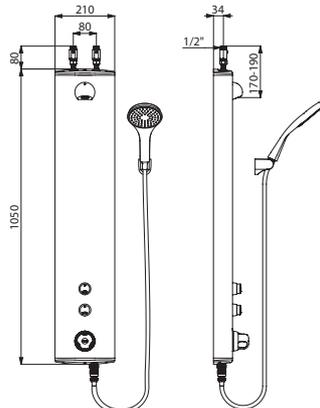
- **Water savings:** 80%
- **Comfort:** temperature selection directly via the mixer, thermostatic control, rain effect
- **Anti-scalding failsafe:** automatic shut-off if cold water fails
- **Vandal-resistant:** aluminium panel, concealed fixings, solid brass shower head and shower valve

SECURITHERM aluminium

Time flow shower panel with handset



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- **SECURITHERM thermostatic shower mixer.**
- Adjustable temperature control from cold water up to 38°C; with 1st limiter set at 38°C and 2nd limiter set at 41°C.
- **Anti-scalding failsafe:** automatic shut-off if cold or hot water supply fails.
- Thermal shocks are possible.
- **Time flow valves ~30 seconds with soft-touch operation.**
- Chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation at **6 lpm** at 3 bar, comfort rain effect.
- **Handset** with removable flexible via rapid push-fit STOP connector and wall support supplied.
- M $\frac{1}{2}$ " connections.
- Concealed fixings.
- Filters and non-return valves.
- Suitable for people with reduced mobility.
- 30-year warranty.



792320

SECURITHERM dual control time flow aluminium shower panel

| | |
|---------------------------------|---------------|
| Top inlet via in-line stopcocks | 792320 |
| Concealed inlet via flexibles | 792330 |

We recommend installing a floor trap (see page 131)

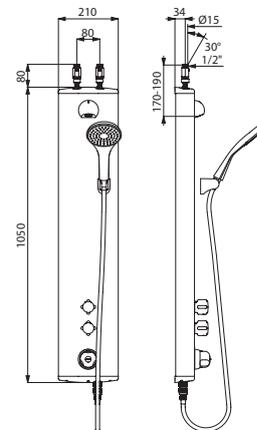
Option: extension for shower panel (see page 106)

SECURITHERM aluminium

Dual control mechanical shower panel with handset



- **Non-time flow ¼-turn valves** to control the ROUND shower head and the handset.
- Thermal shocks are possible.
- Suitable for people with reduced mobility.
- 30-year warranty.



79239015

SECURITHERM dual control mechanical aluminium shower panel

With 2 non-time flow valves

| | |
|--------------------------------------------------------------------------------|-----------------|
| Top inlet via in-line stopcocks, M $\frac{1}{2}$ " | 792390 |
| Top inlet via in-line stopcocks, \varnothing 15mm for compression fittings * | 79239015 |
| Concealed inlet via flexibles, M $\frac{1}{2}$ " | 792380 |

* Single temperature limiter set at 41°C

We recommend installing a floor trap (see page 131)

Option: extension for shower panel (see page 106)



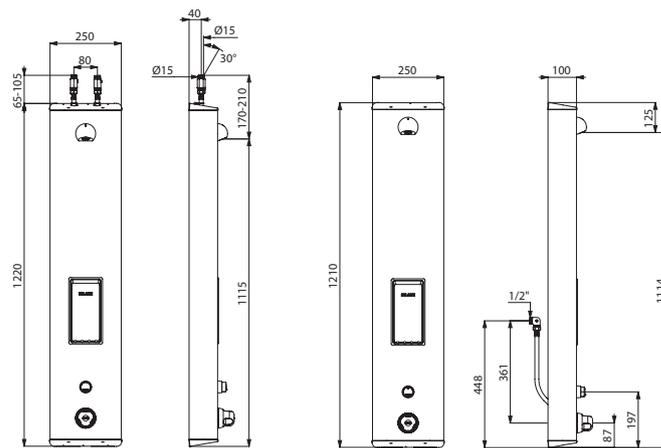
- **Water savings:** 80%
- **Comfort:** temperature selection directly via the mixer, thermostatic control, rain effect
- **Anti-scalding failsafe:** automatic shut-off if cold water fails
- **Vandal-resistant:** satin stainless steel panel, concealed fixings, solid brass shower head and shower valve

SECURITHERM satin stainless steel

Time flow shower panel with fixed shower head



- Large satin stainless steel shower panel for wall-mounted, exposed installation.
- **SECURITHERM thermostatic shower mixer.**
- Adjustable temperature control from cold water up to 38°C; with 1st limiter set at 38°C and 2nd limiter set at 41°C (except for ref. 79230415: single temperature limiter set at 41°C).
- **Anti-scalding failsafe:** automatic shut-off if cold water fails.
- **Prevents cold showers:** automatic shut-off if hot water fails.
- Thermal shocks are possible.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar, comfort rain effect.
- Chrome-plated, tamperproof **ROUND shower head.**
- M $\frac{1}{2}$ " connections.
- Concealed fixings.
- Filters and non-return valves.
- Stopcocks.
- Suitable for people with reduced mobility.
- 30-year warranty.



79230415

792314

SECURITHERM time flow shower panel

Top inlet via in-line stopcocks

| | |
|-----------------------------------------------------------------------|-----------------|
| With integrated soap dish, M $\frac{1}{2}$ " | 792304 |
| With integrated soap dish \varnothing 15mm for compression fittings | 79230415 |
| Without soap dish - M $\frac{1}{2}$ " | 792303 |

Concealed inlet via flexibles

| | |
|-----------------------------------------------|---------------|
| With integrated soap dish - M $\frac{1}{2}$ " | 792314 |
| Without soap dish - M $\frac{1}{2}$ " | 792313 |

We recommend installing a floor trap (see page 131)

Option: extension for shower panel (see page 106)



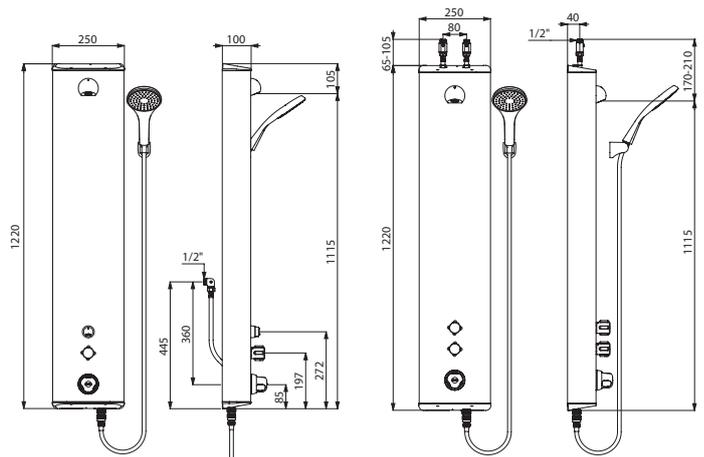
- **Water savings:** 80%
- **Comfort:** temperature selection directly via the mixer, thermostatic control, rain effect
- **Anti-scalding failsafe:** automatic shut-off if cold water fails
- **Vandal-resistant:** satin stainless steel panel, concealed fixings, solid brass shower head and shower valve

SECURITHERM satin stainless steel

Dual control shower panel with handset



- Large satin stainless steel shower panel for wall-mounted, exposed installation.
- **SECURITHERM thermostatic shower mixer.**
- Adjustable temperature control from cold water up to 38°C; with 1st limiter set at 38°C and 2nd limiter set at 41°C.
- **Anti-scalding failsafe:** automatic shut-off if cold water fails.
- **Prevents cold showers:** automatic shut-off if hot water fails.
- Chrome-plated, tamperproof, **fixed ROUND shower head** with **6 lpm flow rate** at 3 bar, comfort rain effect.
- **Handset** with removable flexible via rapid push-fit STOP connector and wall support supplied.
- **Operation:**
 - Model 792334: **1 ~30-second time flow valve with soft-touch operation** to control the fixed ROUND shower head and **1 non-time flow ¼-turn valve** to control the handset.
 - Model 792344: **2 non-time flow valves** to control the ROUND shower head and the handset.
- Thermal shocks are possible.
- M½" connections.
- Concealed fixings.
- Filters and non-return valves.
- Stopcocks.
- Suitable for people with reduced mobility.
- 30-year warranty.



792334

792344

| SECURITHERM dual control time flow shower panel | |
|-----------------------------------------------------|---------------|
| Concealed inlet via flexibles | 792334 |
| SECURITHERM non-time flow dual control shower panel | |
| Top inlet via in-line stopcocks | 792344 |

We recommend installing a floor trap (see page 131)
Option: extension for shower panel (see page 106)





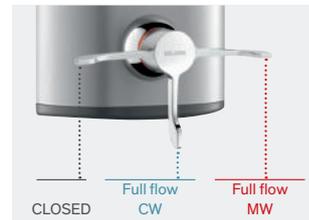
- **Water savings:** 70%
- **Comfort:** temperature selection directly via the single control mixer, thermostatic control, rain effect
- **Anti-scalding failsafe:** automatic shut-off if cold water fails, opens with cold water
- **Vandal-resistant:** aluminium panel, concealed fixings, solid brass shower head and shower valve

SECURITHERM aluminium

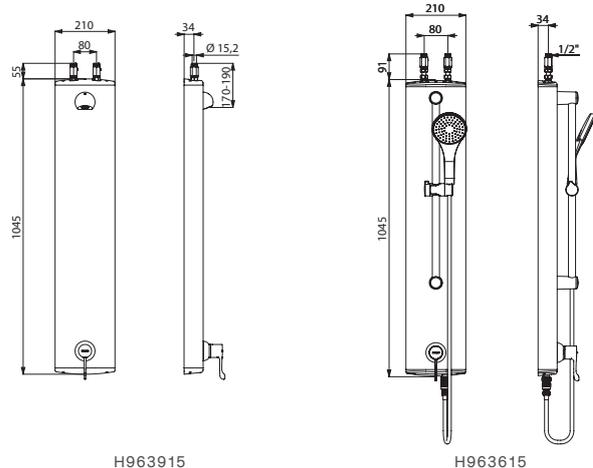
Sequential thermostatic shower panel



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- **SECURITHERM sequential thermostatic shower mixer** (non-time flow).
- Adjustable temperature control from cold water up to 39°C; maximum temperature limiter set at 39°C, can be adjusted.
- **Sequential:** opens and closes on cold water.
- **Anti-scalding failsafe:** automatic shut-off if cold water fails.
- **Prevents cold showers:** automatic shut-off if hot water fails.
- Thermal shocks are possible.
- Models H963915, H9639 and H9634: chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation, **6 lpm** at 3 bar.
- Models H963615, H9636 and H9 35: with **sliding handset** on a chrome-plated rail with removable flexible hose via rapid push-fit STOP connector, **flow rate 9 lpm** at 3 bar, comfort rain effect.
- Hygiene lever L. 100mm.
- M $\frac{1}{2}$ " connections.
- Concealed fixings.
- Filters.
- Suitable for people with reduced mobility.
- 30-year warranty.



Sequential open and closing



H963915

H963615

| SECURITHERM sequential shower panel with fixed shower head | |
|----------------------------------------------------------------------------------------------|----------------|
| Top inlet via in-line stopcocks M $\frac{1}{2}$ " | H9639 |
| Top inlet via in-line stopcocks \varnothing 15mm for compression fittings and copper tubes | H963915 |
| Concealed inlet via flexibles M $\frac{1}{2}$ " | H9634 |
| SECURITHERM sequential shower panel with sliding handset | |
| Top inlet via in-line stopcocks M $\frac{1}{2}$ " | H9636 |
| Top inlet via in-line stopcocks \varnothing 15mm for compression fittings and copper tubes | H963615 |
| Concealed inlet via flexibles M $\frac{1}{2}$ " | H9635 |

We recommend installing a floor trap (see page 131)

Option: extension for shower panel (see page 106)



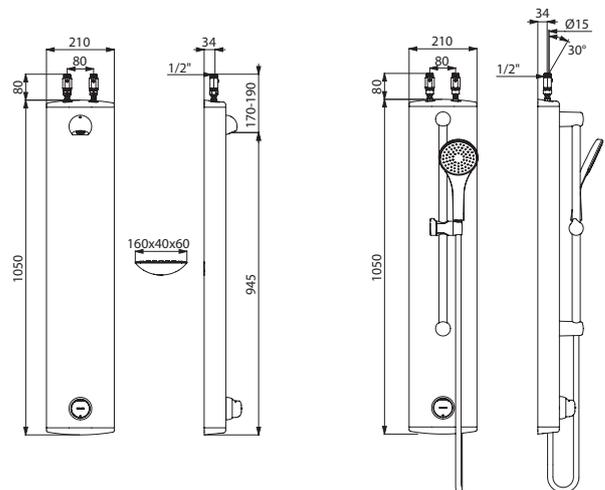
- **Water savings:** 80%
- **Comfort:** temperature selection directly via the single control mixer, soft-touch operation, rain effect
- **Vandal-resistant:** aluminium panel, concealed fixings, solid brass shower head and shower valve

TEMPOMIX aluminium

Time flow shower panel



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- **TEMPOMIX mixer** with adjustable maximum temperature limiter.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar, comfort rain effect.
- Chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation or **sliding handset** on a chrome-plated rail with flexible hose.
- M $\frac{1}{2}$ " connections.
- Concealed fixings.
- Filters and non-return valves.
- Suitable for people with reduced mobility.
- 30-year warranty.



790305

79035015

TEMPOMIX time flow shower panel with fixed shower head

Top inlet via in-line stopcocks

| | |
|----------------------------------------------------------------|-----------------|
| With soap dish, M $\frac{1}{2}$ " | 790305 |
| With soap dish, \varnothing 15mm for compression fittings | 79030515 |
| Without soap dish, M $\frac{1}{2}$ " | 790300 |
| Without soap dish, \varnothing 15mm for compression fittings | 79030015 |

Concealed inlet via flexibles M $\frac{1}{2}$ "

| | |
|-------------------|---------------|
| Without soap dish | 790310 |
|-------------------|---------------|

TEMPOMIX time flow shower panel with sliding handset

Top inlet via in-line stopcocks

| | |
|------------------------------------------------------------------------------------------------|-----------------|
| Without soap dish, M $\frac{1}{2}$ " | 790350 |
| Top inlet via in-line stopcocks \varnothing 15mm for compression fittings, without soap dish | 79035015 |

We recommend installing a TMV (see page 143) and a floor trap (see page 131)
Option: extension for shower panel (see page 106)



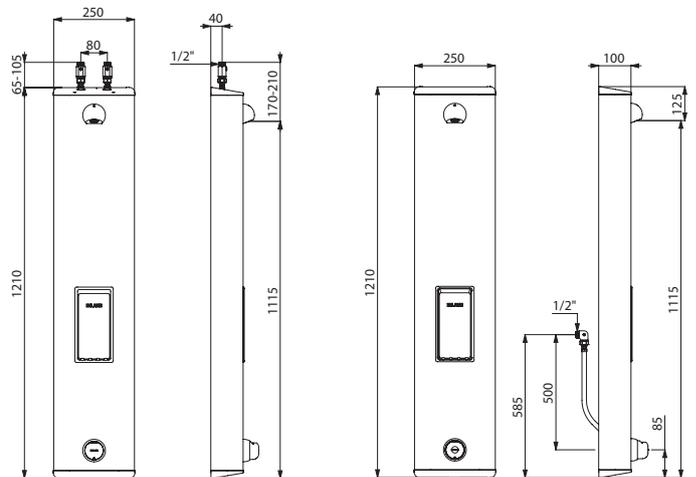
- **Water savings:** 80%
- **Comfort:** temperature selection directly via the single control mixer, soft-touch operation, rain effect
- **Vandal-resistant:** satin stainless steel panel, concealed fixings, solid brass shower head and shower valve

TEMPOMIX satin stainless steel

Time flow shower panel with fixed shower head



- Large satin stainless steel shower panel for wall-mounted, exposed installation.
- **TEMPOMIX mixer** with adjustable maximum temperature limiter.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar, comfort rain effect.
- Chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation.
- Integrated soap dish.
- M $\frac{1}{2}$ " connections.
- Concealed fixings.
- Filters and non-return valves.
- Stopcocks.
- Suitable for people with reduced mobility.
- 30-year warranty.



790204

790214

| TEMPOMIX time flow shower panel with fixed shower head | |
|--------------------------------------------------------|---------------|
| Top inlet via in-line stopcocks | 790204 |
| Concealed inlet via flexibles | 790214 |

We recommend installing a TMV (see page 143) and a floor trap (see page 131)
Option: extension for shower panel (see page 106)



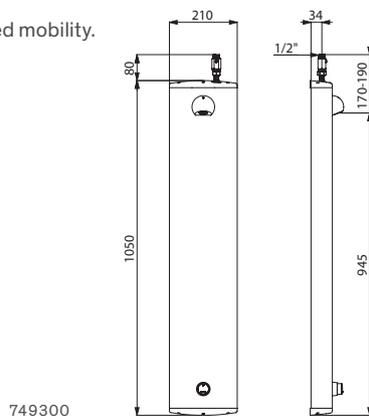
- **Water savings:** 80%
- **Vandal-resistant:** aluminium shower panel, concealed fixings, solid brass shower head and shower valve

TEMPOSOF aluminium

Time flow shower panel with fixed shower head



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- **TEMPOSOF time flow control** for mixed water.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar, comfort rain effect.
- Chrome-plated, tamperproof **ROUND shower head.**
- M $\frac{1}{2}$ " connection for mixed water supply.
- Concealed fixings.
- Filter.
- Suitable for people with reduced mobility.
- 30-year warranty.



749300

| TEMPOSOF time flow shower panel with fixed shower head | |
|--------------------------------------------------------|---------------|
| Top inlet via in-line stopcock | 749300 |
| Concealed inlet via flexible | 749310 |

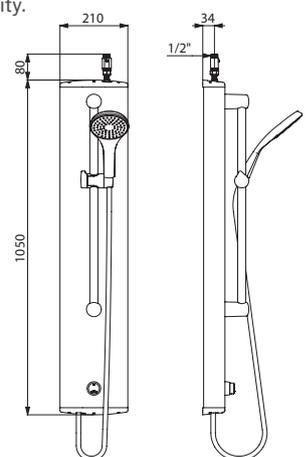
We recommend installing a TMV (see page 143) and a floor trap (see page 131)
Option: extension for shower panel (see page 106)

TEMPOSOF aluminium

Time flow shower panel with sliding handset



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- Top inlet supply for mixed water via in-line stopcock M $\frac{1}{2}$ ".
- **TEMPOSOF time flow control** for mixed water.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- Sliding **handset** on a chrome-plated rail with flexible hose.
- Concealed fixings.
- Filter.
- Suitable for people with reduced mobility.
- 30-year warranty.



749350

| TEMPOSOF time flow shower panel with sliding handset | |
|------------------------------------------------------|---------------|
| | 749350 |

We recommend installing a TMV (see page 143) and a floor trap (see page 131)
Option: extension for shower panel (see page 106)



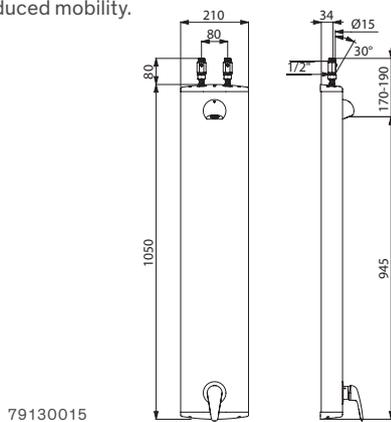
- **Water savings:** 70%
- **Vandal-resistant:** aluminium shower panel, concealed fixings, solid brass shower head and shower valve
- **Comfort:** temperature selection directly via the single control mixer

Aluminium shower panel

Mechanical shower panel with fixed shower head



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- Top inlet via in-line stopcocks M $\frac{1}{2}$ " or \varnothing 15mm for compression fittings.
- **Mechanical mixer without time flow.**
- **Flow rate 6 lpm** at 3 bar, comfort rain effect.
- Chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation.
- Concealed fixings.
- Filters.
- Suitable for people with reduced mobility.
- 30-year warranty.



79130015

| Mechanical shower panel with fixed shower head | |
|------------------------------------------------|-----------------|
| M $\frac{1}{2}$ " | 791300 |
| \varnothing 15mm for compression fittings | 79130015 |

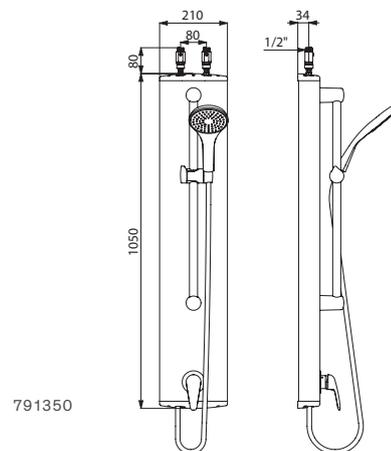
We recommend installing a TMV (see page 143) and a floor trap (see page 131)
Option: extension for shower panel (see page 106)

Aluminium shower panel

Mechanical shower panel with sliding handset



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- **Mechanical mixer without time flow.**
- Sliding **handset** on a chrome-plated rail with flexible hose.
- M $\frac{1}{2}$ " connections.
- Concealed fixings.
- Filters.
- Suitable for people with reduced mobility.
- 30-year warranty.



791350

| Mechanical shower panel with sliding handset | |
|----------------------------------------------|---------------|
| Top inlet via in-line stopcocks | 791350 |
| Concealed inlet via flexibles | 791360 |

We recommend installing a TMV (see page 143) and a floor trap (see page 131)
Option: extension for shower panel (see page 106)

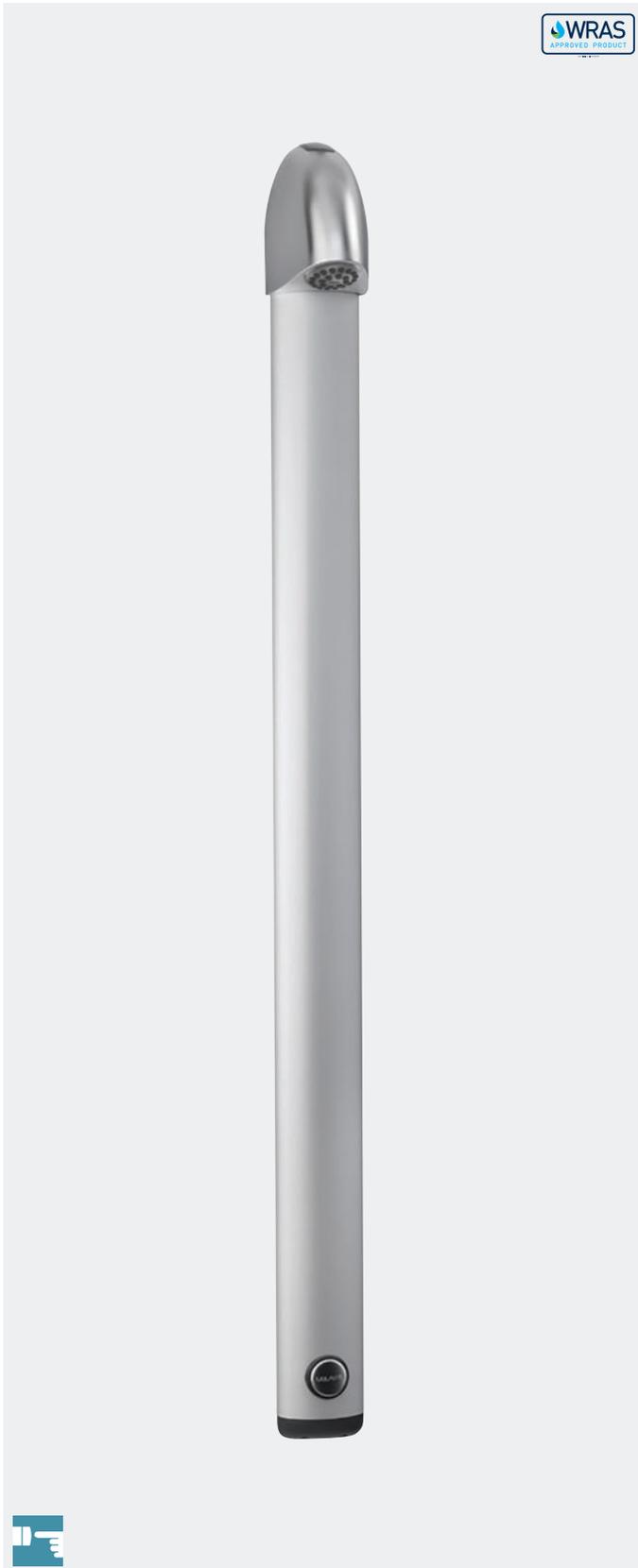




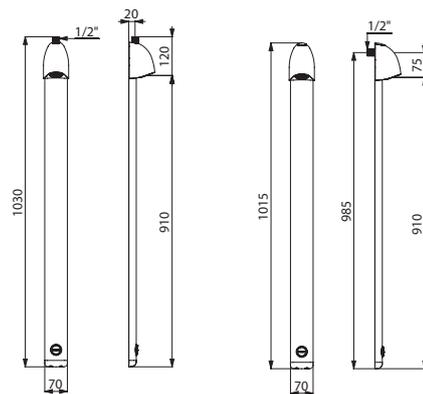
- **Water savings:** 80%
- **Vandal-resistant:** aluminium shower panel, streamlined design, concealed fixings, ligature-resistant shower head
- **Maintenance:** made easy thanks to accessible stopcock and filter
- **Comfort:** soft-touch operation, mixed water supply, rain effect

SPORTING 2

Time flow shower panel



- Anodised aluminium and chrome-plated satin finish.
- **Adjustable connector for top or back inlets.**
- Slimline structure with concealed fixings.
- **Soft-touch operation.**
- Automatic mechanical flush with every use.
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar, comfort rain effect.
- Tamperproof fixed shower head with automatic flow rate regulation.
- Accessible filter and non-return valve.
- **Integrated stopcock.**
- M $\frac{1}{2}$ " connection for mixed water supply.
- Suitable for people with reduced mobility.
- 30-year warranty.



714700

| | |
|------------------------------------------------------------------------------|---------------|
| SPORTING 2 time flow shower panel | 714700 |
| We recommend installing a TMV (see page 143) and a floor trap (see page 131) | |
| Options: soap dish and BIOFIL filter (see pages 106 and 141). | |



Hygiene and controlling bacterial proliferation

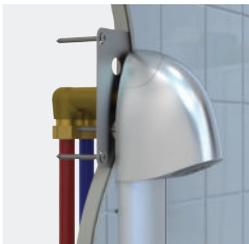


Anti-scalding safety

Multiple installation options



Exposed water inlets



Recessed water inlets from below



Recessed water inlets from above

SPORTING 2 SECURITHERM TIME FLOW PANEL: THE ANTI-LEGIONELLA SOLUTION

Preventative anti-legionella solution

The Health and Safety Executive's guidance HSG 274 Part 2 (2014) recommends **maintaining the hot water temperature permanently above 50°C** at all points in the system in order to prevent any risk of Legionella bacteria proliferation. Water must be **mixed as close as possible to points-of-use**.

The SPORTING 2 SECURITHERM is the solution to preventing the risk of bacterial proliferation.

Hygiene

The **thermostatic mixer is integrated in the head** of the SPORTING 2 SECURITHERM panel. Hot water arrives directly from the network where it is mixed with cold water. There is therefore **no mixed water between the circulating loop and the point-of-use**, which significantly reduces the risk of bacterial development.

The SPORTING 2 SECURITHERM ensures a shower without bacteria.

Anti-scalding failsafe

SECURITHERM thermostatic technology ensures automatic shut-off if the cold water fails. The SPORTING 2 SECURITHERM removes all risk of scalding.

Comfort

• **Temperature stability**

The SPORTING 2 panel **delivers water at a stable temperature**, even in the event of pressure variations.

• **Prevent cold showers**

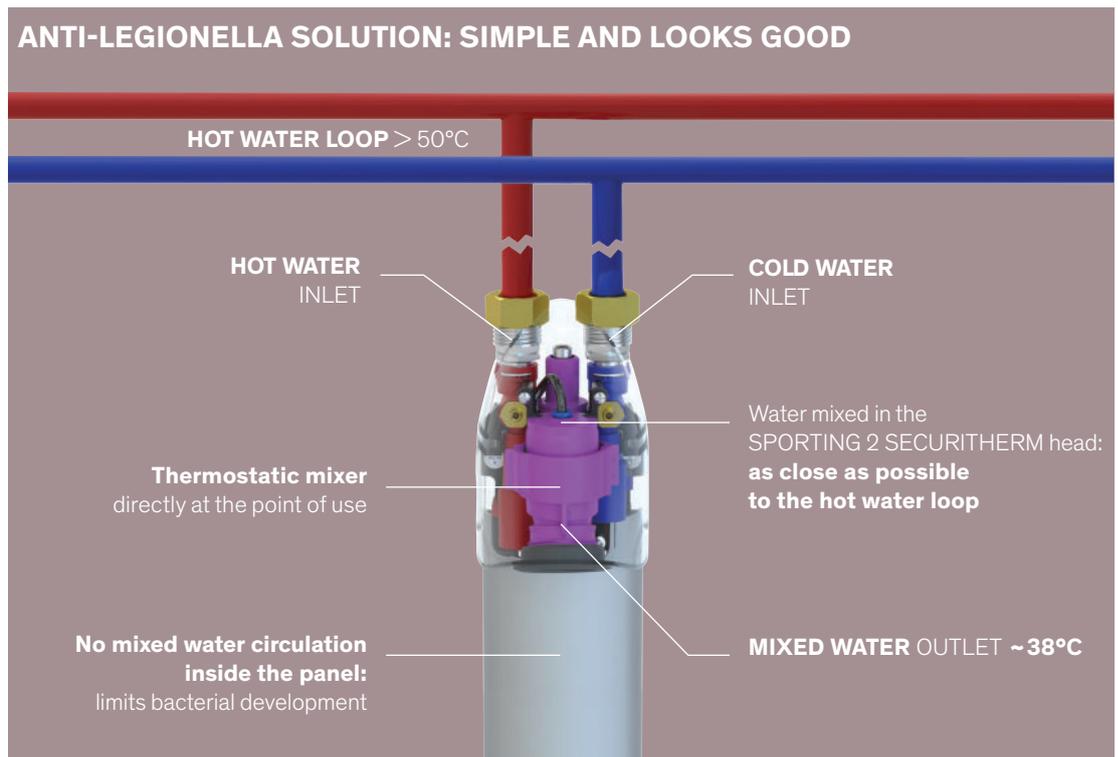
SECURITHERM thermostatic technology ensures **automatic shut-off if the hot water fails**.

Multiple installation options

The panel is available in 2 versions:

- exposed water inlets, for connection in front of the wall, from above
- recessed water inlets for connection from behind the wall from above or below.

30-year warranty against any manufacturing defects. **50 years reparability**.





- **Water savings:** 80%
- **Anti-scalding failsafe:** automatic shut-off if cold water fails
- **Comfort:** soft-touch operation, temperature stability, anti-cold showers, rain effect
- **Vandal-resistant:** aluminium panel, streamlined design, concealed fixings, ligature-resistant shower head

SPORTING 2 SECURITHERM

Thermostatic time flow shower panel

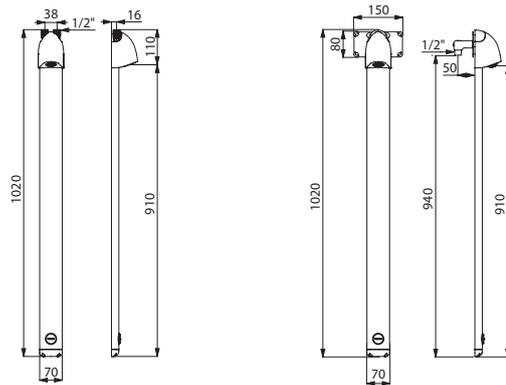
NEW



- Anodised aluminium and chrome-plated satin finish.
- Slimline structure with concealed fixings.
- **Soft-touch operation.**
- Automatic mechanical flush with each use.
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar, comfort rain effect.
- Tamperproof, fixed shower head with automatic flow rate regulation.
- Accessible filters and non-return valves.
- **Integrated stopcocks.**
- **Available with AB anti-blocking system:** water will flow only when the push-button is released.
- M $\frac{1}{2}$ " connections (compact nanny joint for recessed models).
- Suitable for people with reduced mobility.
- 30-year warranty.

SECURITHERM technology:

- **Thermostatic mixer** directly integrated in the head of the shower panel.
- Temperature pre-set by the installer.
- **Stable temperature, pre-set at 38°C.**
- **Anti-scalding failsafe:** automatic shut-off if cold water fails.
- **Prevent cold showers:** automatic shut-off if hot water fails.



714732AB

714612 + 714735

Provisional availability 2nd half 2025.

Please contact the sales office to check availability.

| SPORTING 2 SECURITHERM time flow shower panel | |
|--------------------------------------------------|-------------------|
| Top inlet | 714732 |
| Top inlet and AB system | 714732AB |
| Kit 1: Nanny joint for recessed water inlet | 714612 |
| Kit 2: Shower panel | + 714735 |
| Kit 1: Nanny joint for recessed water inlet | 714612 |
| Kit 2: Shower panel with AB anti-blocking system | + 714735AB |

We recommend installing a floor trap (see page 131)

Option: soap dish (see pages 106 and 141)







- **Water savings:** 80%
- **Comfort:** soft-touch operation, rain-effect shower head
- **Vandal-resistant:** anodised anti-corrosion aluminium shower column, chrome-plated brass shower head and controls
- **Easy to install:** supplied ready to install

OUTDOOR

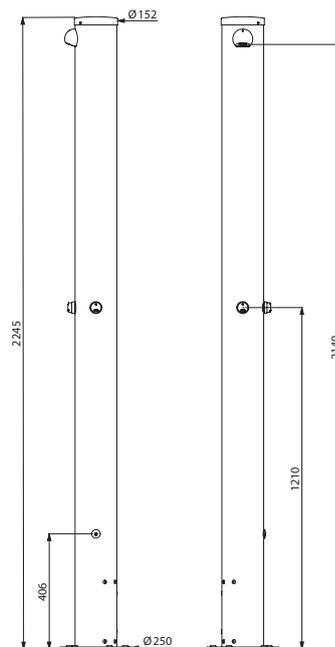
Time flow shower column



- Anodised aluminium shower column ready to fit.
- Bottom inlet via in-line stopcock F $\frac{3}{4}$ ".
- **TEMPOSOFT 2 time flow valve** for mixed water supply.
- **Soft-touch operation.**
- **Time flow ~15 seconds** for the shower head and **~3 seconds** for the foot-rinse.
- Chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation at **6 lpm** at 3 bar, comfort rain effect.
- Chrome-plated solid brass **foot-rinse** with flow rate **3 lpm** at 3 bar.
- Filter.
- Access panel with isolation valve and purge.
- Can easily be taken apart in winter.
- Suitable for people with reduced mobility.
- 30-year warranty.



Access panel



717511

OUTDOOR time flow shower column

| | |
|----------------------------|---------------|
| 1 shower | 717510 |
| 1 shower and 1 foot-rinse | 717511 |
| 2 showers | 717520 |
| 2 showers and 1 foot-rinse | 717521 |
| 4 showers | 717540 |

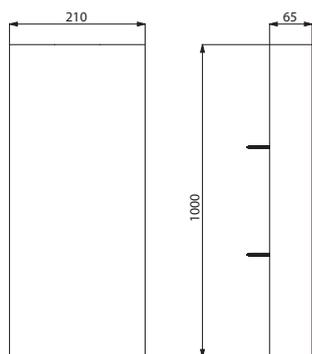
We recommend installing a TMV (see page 143)

Cut-to-size extension

For aluminium shower panels



- For aluminium shower panels.
- Protects the pipework between the top of the shower panel and the ceiling.
- W. 210mm, H. 1,000mm.
- Extension can be cut to size.
- Anodised aluminium.
- 30-year warranty.



790152

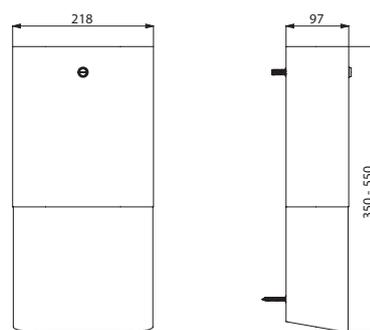
| | |
|----------------------------|---------------|
| Aluminium extension | 790152 |
|----------------------------|---------------|

Telescopic extension

For satin stainless steel shower panels



- For satin stainless steel shower panels.
- Protects the pipework between the top of the shower panel and the ceiling.
- W. 218mm.
- Height adjustment 350 - 550mm.
- Stainless steel satin finish.
- 30-year warranty.



790153

| | |
|----------------------------------|---------------|
| Stainless steel extension | 790153 |
|----------------------------------|---------------|

Soap dish

Wall-mounted



- Concealed fixings.
- Support fixed to wall by 4 screws.
- Chrome-plated Bayblend®.
- Matte or bright finish.
- 30-year warranty.



710500

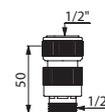
| | |
|-------------------------------|---------------|
| Wall-mounted soap dish | |
| Matte finish | 710500 |
| Bright finish | 710501 |

Rapid push-fit STOP connector

For shower panels



- Rapid push-fit STOP connector.
- For attaching flexible hose to shower panel.
- 30-year warranty.



807792

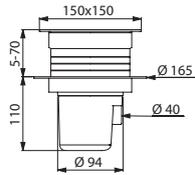
| | |
|--------------------------------------|---------------|
| Rapid push-fit STOP connector | 807792 |
|--------------------------------------|---------------|

Floor trap 150 × 150mm

For tiled or concrete floors



- Flow rate 36 lpm (meets standards).
- Water level 50mm.
- Bright polished stainless steel plate and grid 150 × 150mm.
- Vertical or horizontal outlet integrated into the height of the floor trap (saves height and space in all dimensions).
- Height adjusts up to 70mm with extension.
- 30-year warranty.



683001

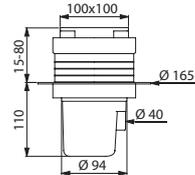
| Floor trap | |
|---------------|-----------------|
| Outlet Ø 40mm | 683001 |
| Outlet Ø 43mm | 683001UK |

Floor trap 100 × 100mm

For tiled or concrete floors



- Flow rate 36 lpm (meets standards).
- Water level 50mm.
- Bright polished stainless steel grid 100 × 100mm.
- Vertical or horizontal outlet integrated into the height of the floor trap (saves height and space in all dimensions).
- Height adjusts up to 80mm with extension.
- 30-year warranty.



682001

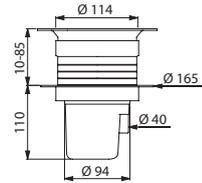
| Floor trap | |
|---------------|-----------------|
| Outlet Ø 40mm | 682001 |
| Outlet Ø 43mm | 682001UK |

Floor trap Ø 114mm

For soft or vinyl floors



- Flow rate 36 lpm (meets standards).
- Water level 50mm.
- Bright polished stainless steel grid Ø 114mm.
- Vertical or horizontal outlet integrated into the height of the floor trap (saves height and space in all dimensions).
- Height adjusts up to 85mm with extension.
- 30-year warranty.



683002

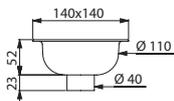
| Floor trap | |
|---------------|-----------------|
| Outlet Ø 40mm | 683002 |
| Outlet Ø 43mm | 683002UK |

Floor trap 140 × 140mm

For tiled or concrete floors



- Flow rate 18 lpm.
- Water level 18mm.
- Stainless steel body 140 × 140mm.
- Bright polished stainless steel grid fixed by a stainless steel screw.
- PVC bell.
- Vertical outlet Ø 40mm (provide elbow for horizontal outlets).
- 30-year warranty.



684000

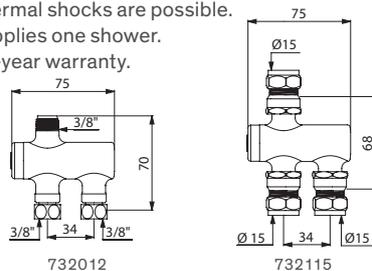
| Floor trap 140 × 140mm | |
|------------------------|---------------|
| | 684000 |

PREMIX NANO

Thermostatic mixing valve



- Thermostatic mixing valve for MW distribution.
- Temperature can be adjusted from 34 - 60°C.
- To be placed upstream of the shower.
- Anti-scalding failsafe.
- Filters and non-return valves.
- Thermal shocks are possible.
- Supplies one shower.
- 30-year warranty.



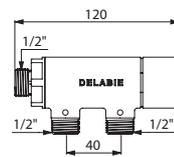
| PREMIX NANO | |
|-------------------------------------|------------------|
| Nickel, FFM ^{3/8} " | 732012 |
| Polished, FFM ^{3/8} " | 732016 |
| Nickel, M ^{1/2} " Ø 15mm | 732115 |
| Nickel, F ^{1/2} " Ø 15mm | 732115MEC |
| Polished, M ^{1/2} " Ø 15mm | 732116 |

PREMIX COMPACT

Thermostatic mixing valve



- Thermostatic mixing valve for MW distribution.
- Temperature can be adjusted from 30 - 60°C.
- To be placed upstream of the shower.
- Anti-scalding safety.
- Filters and non-return valves.
- Thermal shocks are possible.
- For 1 to 3 showers.
- 30-year warranty.



733015

| PREMIX COMPACT | |
|---------------------------|---------------|
| M ^{1/2} " | 733015 |
| M ^{3/4} " | 733020 |
| M ^{1/2} " Ø 15mm | 733115 |
| M ^{3/4} " Ø 15mm | 733116 |



HYGIENE AND CONTROLLING BACTERIAL PROLIFERATION

Opens/closes automatically, with no manual contact

Electronic shower controls are operated by active infrared detection.

The flow opens/shuts off when the detector senses hand movement (ON/OFF mode). Without user input, the flow will automatically shut off after 60 seconds.

No manual contact prevents the spread of germs.

Anti-bacterial duty flush programme

If a shower is not used for prolonged periods of time, water stagnates in the pipework, which favours the development of bacteria (e.g. isolated points-of-use, facilities closed during holidays, etc.).

DELABIE's electronic shower controls have a duty flush programme.

An automatic flush takes place for approximately 60 seconds every 24 hours after the last use (programmable on some models).

80% WATER AND ENERGY SAVINGS

Water savings

Compared to conventional showers, electronic shower controls can offer maximum water savings. They ensure the manager's water bills can be reduced whilst preserving user comfort.

• Automatic shut-off and split delivery

The shower can be interrupted at any moment by the user. If the user forgets, a **security shut-off** stops the flow after 60 seconds.

This removes the risk of waste through negligence. The flow time is reduced to the necessary minimum (wetting, rinsing).

• Flow rate 6 lpm

DELABIE's shower controls are regulated at **6 lpm**. **The flow rate remains constant** regardless of pressure variations in the system.

TECHNICAL SOLUTIONS SUITABLE FOR ALL CONSTRAINTS

Independent electronic control unit, 230/12V mains supply:

TEMPOMATIC recessed or cross wall models

The mains unit provides the option to adjust the detection distance, change the operating mode (ON/OFF or automatic) and change the duty flush settings. The electronic control units are waterproof (IP65) with integrated LEDs to help with diagnostic checks.

SPECIFICALLY DESIGNED FOR COMMERCIAL ENVIRONMENTS

Resistant to intensive use and vandalism

Electronic controls are specifically designed to withstand intensive use and vandalism, both voluntary and involuntary.

The models are available in **recessed** or **cross wall** versions.

To prevent abuse and waste, the **security shut-off** system prevents the valve from being blocked in continuous flow.

Superior endurance

The mechanisms in electronic controls are hard-wearing. The solenoid valve has a lifespan of over **500,000 operations**.

Simple to maintain

The **spare parts** are **standardised** to ensure quick and easy replacement by maintenance staff.

Comfortable spray

The nozzle is specifically designed to deliver a comfortable spray that provides effective showering and has a reduced acoustic level.

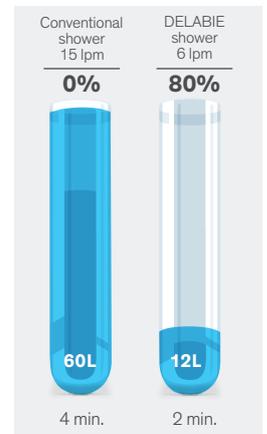
30-year warranty against any manufacturing defects. **50 years repairability**.



Complies with European directives CEM 2014/30/UE and BT 2014/35/UE.



Hygiene and controlling bacterial proliferation



Water savings per use



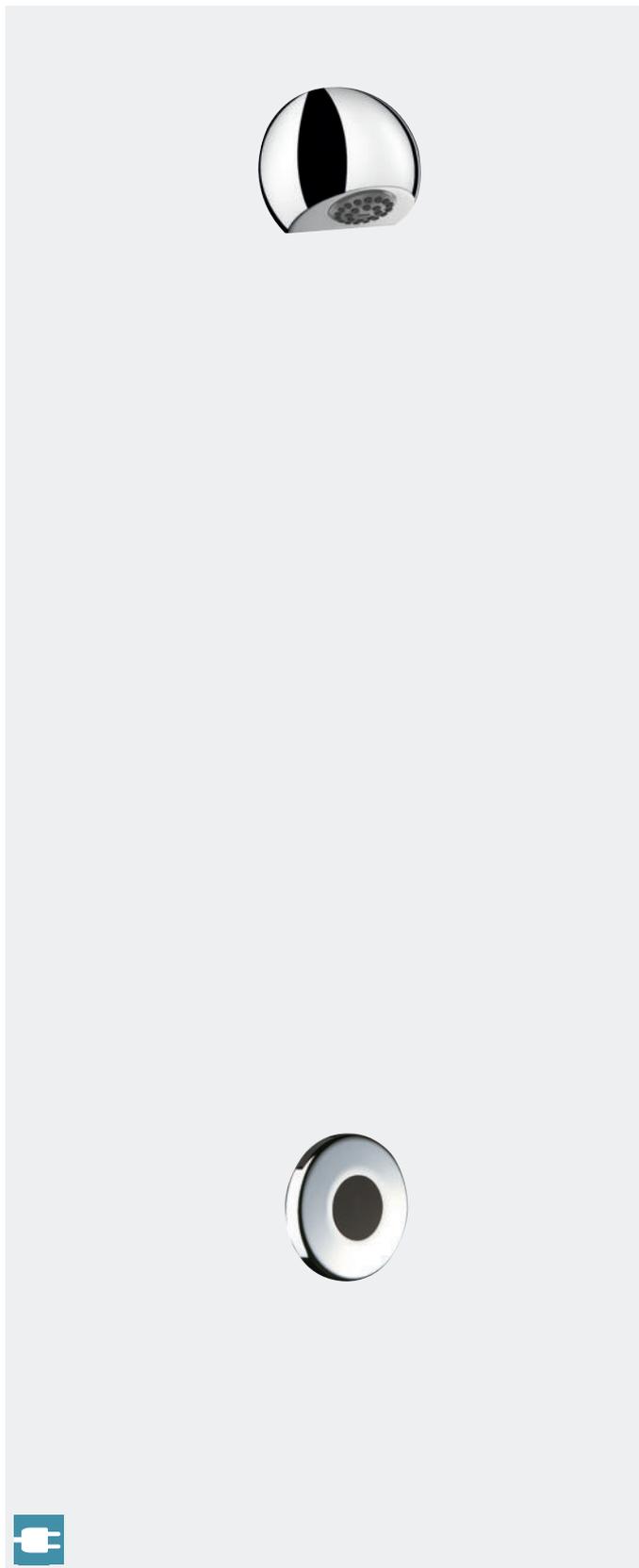
Vandal-resistant



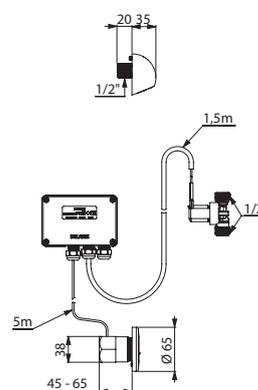
- **Water savings:** 80%
- **Hygiene:** no manual contact, anti-bacterial duty flush
- **Comfort:** adjustable time flow, two activation modes, rain effect
- **Vandal-resistant:** chrome-plated solid brass, recessed installation, concealed fixings

TEMPOMATIC

Recessed electronic shower kit



- **TEMPOMATIC electronic valve** for mixed water supply.
- Recessed installation.
- Power supply by electronic control unit with solenoid valve 1/2".
- 230/12V transformer.
- **2 operation modes:**
 - Automatic activation via presence detection.
 - Voluntary ON/OFF activation by passing hand in front of sensor ~10cm.
- **Duty flush** (~60 seconds every 24 hours after the last use).
- **Adjustable time flow** from 30 - 60 seconds.
- **Flow rate 6 lpm** at 3 bar with chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation.
- Chrome-plated solid brass.
- Suitable for people with reduced mobility.
- 30-year warranty.



452569

TEMPOMATIC recessed shower

| | |
|----------------------------------------------|---------------|
| Kit with shower head (flow rate 6 lpm) | 452569 |
| Valve without shower head (flow rate 20 lpm) | 452565 |

We recommend installing a TMV (see page 143) and a floor trap (see page 131)



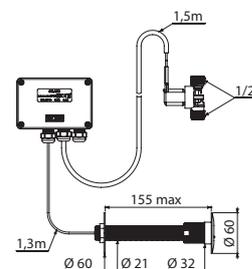
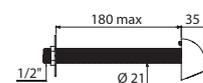
- **Water savings:** 80%
- **Hygiene:** no manual contact, anti-bacterial duty flush
- **Comfort:** adjustable time flow, two activation modes, rain effect
- **Vandal-resistant:** chrome-plated solid brass, cross wall installation, concealed fixings

TEMPOMATIC

Cross wall electronic shower kit



- **TEMPOMATIC electronic valve** for mixed water supply.
- For walls $\leq 155\text{mm}$.
- Power supply by electronic control unit with solenoid valve $\frac{1}{2}$ ".
- 230/12V transformer.
- **2 operation modes:**
 - Automatic activation via presence detection.
 - Voluntary ON/OFF activation by passing hand in front of sensor $\sim 10\text{cm}$.
- **Duty flush** (~ 60 seconds every 24 hours after the last use).
- **Adjustable time flow** from 30 - 60 seconds.
- **Flow rate 6 lpm** at 3 bar with chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation.
- Chrome-plated solid brass.
- Wall plate flush to the wall.
- Threaded rods can be cut to size.
- Suitable for people with reduced mobility.
- 30-year warranty.



452159

TEMPOMATIC cross wall shower

| | |
|----------------------------------------------|---------------|
| Kit with shower head (flow rate 6 lpm) | 452159 |
| Valve without shower head (flow rate 20 lpm) | 452150 |

We recommend installing a TMV (see page 143) and a floor trap (see page 131)





HYGIENE AND CONTROLLING BACTERIAL PROLIFERATION

Automatic timed shut-off, with no manual contact

The time flow shower controls shut off automatically once the push-button has been pressed and the valve has opened.

No manual contact after washing prevents the spread of germs by hand.

DESIGN

Commercial environments and design

DELABIE's products, known for their endurance and reliability, have a **timeless design**.

The diversity of the product range fits in perfectly with any commercial installation.

In an office building or a shopping centre, it is paramount that the product design fits in with its surroundings. In prison, products must be resistant and secure: concealed mechanisms, streamlined design, etc.

Design without constraints

Aesthetic products are subject to less vandalism as they are better respected.

The **smooth shape** of the showers reduces the build-up of dirt and facilitates cleaning. Easy but secure access to control mechanisms ensures easy maintenance.

80% WATER AND ENERGY SAVINGS

Water savings

Compared to conventional showers, DELABIE's time flow shower controls can offer maximum water savings. They ensure the manager's water bills can be reduced whilst preserving user comfort.

- **Automatic shut-off and split delivery**
The time flow is automatic and shuts off after approximately 30 seconds of flow.

The time flow controls remove the risk of waste through negligence.

The time flow is reduced to the necessary minimum (wetting, rinsing).

- **Flow rate 6 lpm**
The shower valves are regulated at **6 lpm**.
The flow rate remains constant regardless of pressure variations in the system.

Energy savings

The time flow shower controls operate completely autonomously with no need for an electrical supply. They **do not consume any power at all**.

The significant **hot water savings** provided by DELABIE's shower controls also result in energy savings.

Ecological

DELABIE's shower valves are made from materials that are **100% recyclable** which ensures that the products receive the best ecological assessment in their category.

Environmental labels

The water and energy saving performance of DELABIE's shower controls means that the buildings achieve the highest performance standards for international rating schemes such as LEED, BREEAM or HQE.

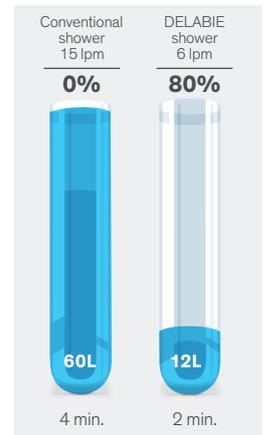
For more information see page 8.



Hygiene and controlling bacterial proliferation



Optimised time flow



Water savings per use

COMPARISONS OF WATER CONSUMPTION

Comparison between a conventional shower and a DELABIE time flow shower

| Flow rate | Wetting | Soaping | Rinsing | Water consumption |
|-----------|-------------|-------------|-------------|----------------------|
| 15L | 1 min. | 2 min. | 1 min. | 60L 4 min. |
| 6L | 2 x 30 sec. | 2 x 30 sec. | 2 x 30 sec. | 12L 2 min. |



TECHNICAL SOLUTIONS SUITABLE FOR ALL CONSTRAINTS

Public and commercial buildings have different requirements depending on the place of installation and type of user. DELABIE has developed specific products to respond to a variety of challenges (improving comfort, avoiding waste, user safety, etc.).

Soft technology: soft-touch operation

DELABIE has developed time flow controls with **soft-touch operation**. Soft technology allows all users (children, the elderly or people with reduced mobility) to use the controls with no effort required. **TEMPOSOFT 2** and **TEMPOMIX 3** models are fitted with a priming system that requires half the effort to operate compared to a conventional tap.

Comfort

• Temperature selection

Users choose the temperature themselves using the **TEMPOMIX**, **TEMPOMIX 3** or **SECURITHERM control**.

• Temperature stability

SECURITHERM thermostatic shower panels provide additional comfort by perfectly regulating water temperature, even in the event of pressure variations.

• Prevent cold showers

SECURITHERM thermostatic technology ensures **automatic shut-off if the hot water fails**.

Anti-scalding failsafe

• Maximum temperature limiter

DELABIE's time flow shower mixers are delivered with a **pre-set maximum temperature limiter** that can be adjusted during installation.

The user cannot increase the temperature above the maximum set temperature, reducing any risk of scalding.

• Anti-scalding safety

SECURITHERM thermostatic technology ensures that **the hot water shuts off immediately if the cold water fails**.

Waterproof recessing

Some models have a waterproof recessing housing (TEMPOMIX, TEMPOSTOP and SECURITHERM). The TEMPOMIX 3 features **DELABIE's newest generation of recessing housings**. This housing is **100% waterproof** and can be installed on different fixtures (rails, solid walls, panels) and can be adapted to fit different wall thicknesses from 10 to 120mm. The collar, with integrated seal, ensures a waterproof seal.

SPECIFICALLY DESIGNED FOR COMMERCIAL ENVIRONMENTS

Resistant to intensive use and vandalism

DELABIE's time flow shower controls are specifically designed to withstand intensive use and vandalism, both voluntary and involuntary. The controls are made from chrome-plated solid brass, and fitted with **shock-resistant** mechanisms. The **fixings are reinforced**. **Streamlined designs** prevent unwanted removal.

Adjustable installations

The controls are available as exposed, recessed or cross wall models for the secure sector for example. These models make access to the mechanisms impossible for the user.

Superior endurance

The time flow mechanisms in DELABIE shower controls are hard-wearing. The hydraulic timing system with a calibrated groove is self-cleaning, which extends its lifespan to over **500,000 operations**. There is no metal-metal or metal-plastic friction, ensuring **reliable and durable timing**. DELABIE's shower controls perform to the highest standards. Each model is subjected to endurance tests under extreme conditions in endurance laboratories.

Simple to maintain

The **spare parts** are **standardised** to ensure quick and easy replacement by maintenance staff. The whole of the system is integrated within **an interchangeable cartridge which can be accessed from the front, without having to remove the valve**.

30-year warranty against any manufacturing defects. **50 years repairability**.

Technical characteristics

| | |
|-------------------------------|------------------------------|
| Operating pressure | 1 - 5 bar, 3 bar recommended |
| Pressure differential CW / HW | $\Delta P < 1$ bar |
| Temperature limiter | Can be adjusted |
| HW supply | 55°C max |
| Time flow | 30 seconds |



Soft technology: soft-touch operation



Anti-scalding safety



Waterproof recessing housing



Vandal-resistant





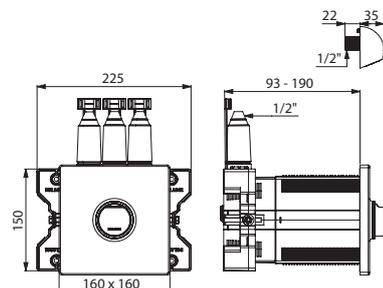
- **Water savings:** 80%
- **Comfort:** temperature selection directly via the single control mixer, soft-touch operation, rain effect
- **Vandal-resistant:** recessed installation, concealed fixings
- **Easy to install:** modular and adjustable waterproof housing (for walls and finishes)

TEMPOMIX 3

Recessed time flow shower mixer with soft-touch operation



- **Tamperproof chrome-plated metal control plate 160 × 160mm.**
- **Waterproof recessing housing:**
 - Collar with waterproof seal.
 - Hydraulic connection from the outside and maintenance from the front.
 - Adjusts to all types of installation (rails, solid walls, panels).
 - Compatible with wall finishes 10 - 120mm (while maintaining the minimum recessing depth of 93mm).
 - Suitable for standard or "pipe-in-pipe" supply.
 - Stopcocks and flow rate adjustment, filters, non-return valves and cartridge are all integrated and accessible from the front.
 - TEMPOMIX 3 single control mixer F½".
 - Supplied in 2 kits: secure system flush without sensitive elements.
- **Temperature control and operation via the push-button.**
- Maximum temperature limiter (can be adjusted by the installer).
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar for the kit.
Mixer only flow rate 12 lpm at 3 bar, comfort rain effect.
- Chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation.
- Suitable for people with reduced mobility.
- 30-year warranty.



| TEMPOMIX 3 recessed shower valve in recessed waterproof housing | |
|-----------------------------------------------------------------|-----------------------------------|
| Kit with shower head | 794BOX1 + 794219 |
| Mixer without shower head (flow rate 12 lpm) | 794BOX1 + 794218 |

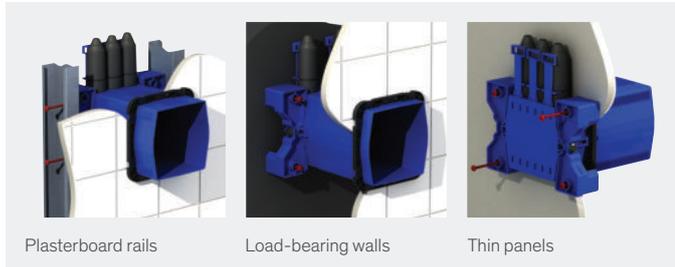
We recommend installing a floor trap (see page 131)

794BOX1 + 794219

TEMPOMIX 3 RECESSED: 100% WATERPROOF RECESSED HOUSING, MODULAR AND ADAPTABLE

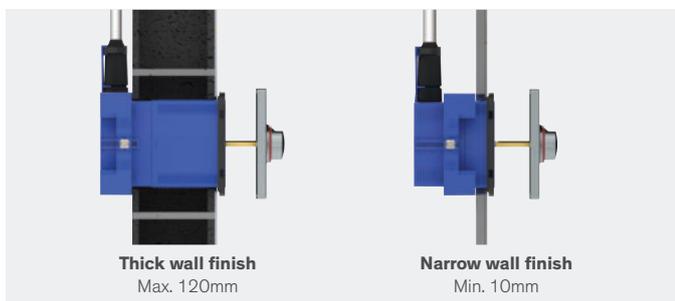
Modular

Attaches via the sides, front or back, DELABIE's recessed housing can be used on [plasterboard rails](#), on [load-bearing walls](#) or even [thin panels](#), the installation is therefore modular, adapting to the type of project.



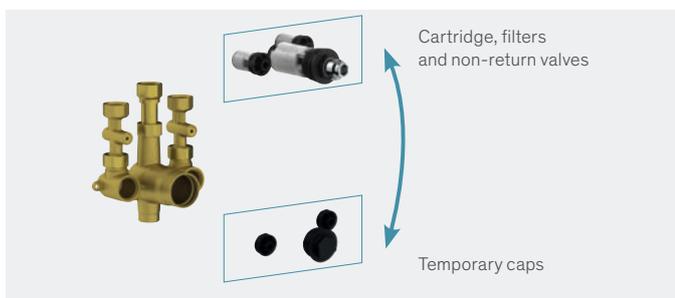
Adaptable

The collar can be positioned to allow the housing to be cut to size lengthwise depending on the wall thickness whilst still guaranteeing a waterproof seal. [Thin or thick, the housing adapts to all the requirements of walls from 10 to 120mm.](#)



Quick and easy to install

The TEMPOMIX 3 can be connected to a standard "pipe-in-pipe" supply. The hydraulic connection is made from the outside of the housing. During installation, the time flow cartridge, filters and non-return valves are replaced by temporary caps to [flush the system safely](#), without damaging the technical elements.



100% waterproof

Standard housings on the market are designed to be cut to size flush to the wall, which increases the risk of leaks between the wall and the collar.

DELABIE's recessed housing is equipped with a collar with an [integrated seal](#), that clips onto the housing once the wall finish is in place (patented system). [It is completely waterproof without silicone.](#) Any condensation is evacuated via the plate. [The wall stays intact throughout.](#)



Resistant to intensive use and vandalism

[A solid brass](#) body, shock-resistant mechanisms, a [chrome-plated metal plate](#), the TEMPOMIX 3 will withstand even the most extreme handling. Its fixings are concealed. Its streamlined design prevents unwanted removal.

Minimal servicing and simple to maintain

[Maintenance is carried out from the front](#) by simply removing the control plate.

The technical elements are accessible and spare parts come [pre-assembled](#). Making protection from frost and in-depth maintenance easier, [the valve can be disconnected and removed from the inside](#), without removing the housing.

85% water savings

Shut-off is [automatic after ~30 seconds](#) of flow. DELABIE's time flow controls remove any risk of waste through negligence. The flow time is reduced to the necessary minimum (wetting, rinsing). The [flow rate is regulated at 6 lpm](#) regardless of pressure variations in the system.

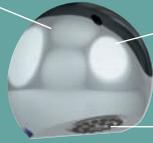
Soft-touch operation

Soft technology allows all users (children, the elderly or people with reduced mobility) to use the controls with no effort. The TEMPOMIX 3 requires [half the effort to operate](#) compared to a conventional shower control.

Temperature limitation and selection

Users can choose the temperatures themselves. The selection is made via the [single control push-button](#). The mixer is supplied with a pre-set maximum [temperature limiter](#) which can be adjusted during installation. The user cannot increase the temperature above the maximum set temperature, reducing any risk of scalding.

**STREAMLINED DESIGN
LIGATURE-RESISTANT**
Reducing the risk of harm



FLOW RATE REGULATED AT 6 LPM
Water savings

RAIN EFFECT
Comfort shower head

**WATERPROOF HYDRAULIC
CONNECTION**
Standard pipe or "pipe-in-pipe"

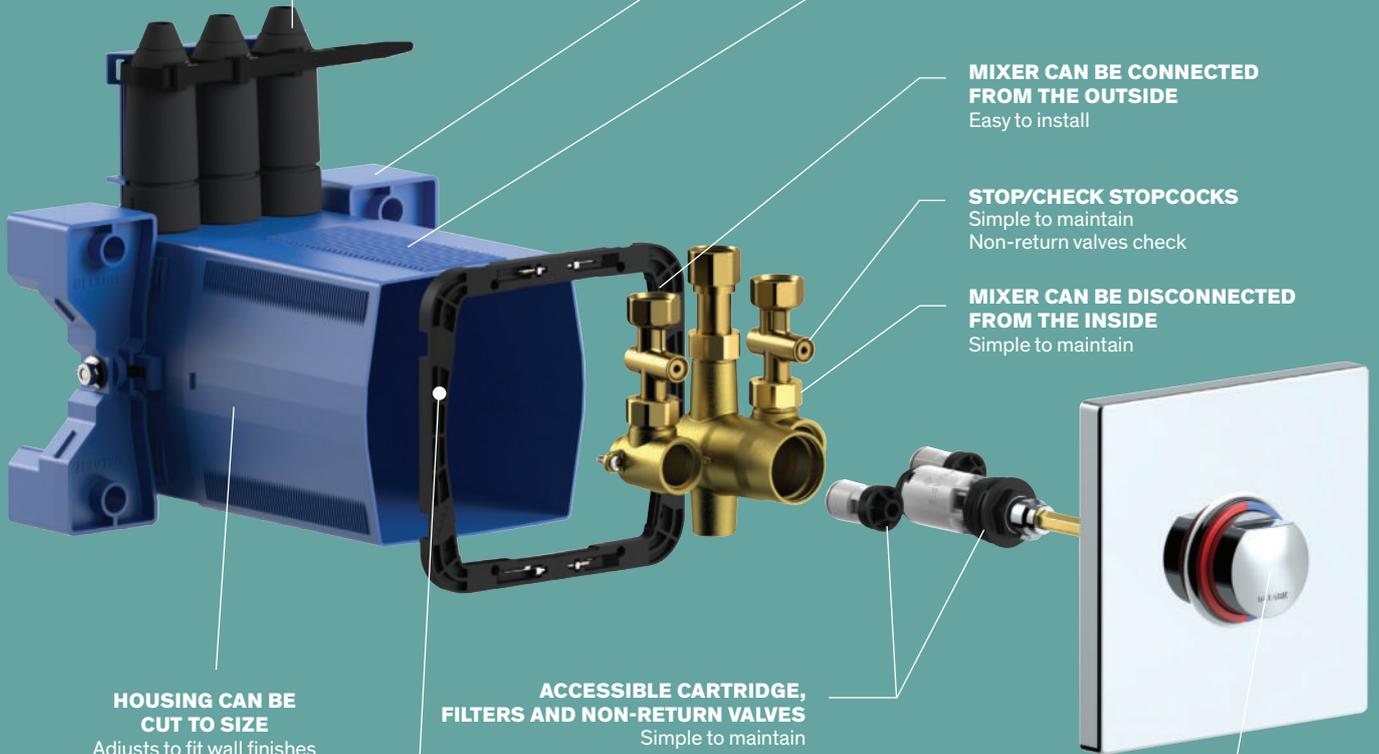
**FINS CAN BE ADJUSTED ACCORDING
TO INSTALLATION TYPE**
Easy to install

**NOTCHES TO CLIP
AND FIX COLLAR ONTO** (patented)
Easy to install

**MIXER CAN BE CONNECTED
FROM THE OUTSIDE**
Easy to install

STOP/CHECK STOPCOCKS
Simple to maintain
Non-return valves check

**MIXER CAN BE DISCONNECTED
FROM THE INSIDE**
Simple to maintain



**HOUSING CAN BE
CUT TO SIZE**
Adjusts to fit wall finishes
up to 120mm

**ACCESSIBLE CARTRIDGE,
FILTERS AND NON-RETURN VALVES**
Simple to maintain

**SOFT-TOUCH OPERATION
AND TEMPERATURE SELECTION**
Improved comfort



**COLLAR
WITH INTEGRATED SEAL**
Completely waterproof





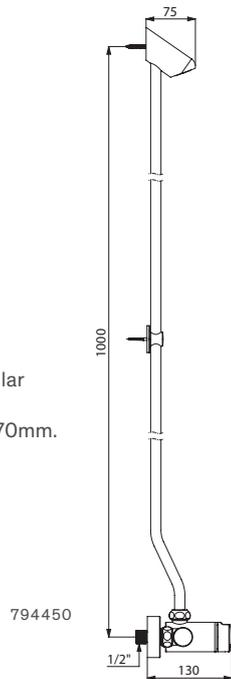
- **Water savings:** 80%
- **Vandal-resistant:** chrome-plated solid brass, streamlined design
- **Comfort:** temperature selection directly via the single control mixer, soft-touch operation

TEMPOMIX 3

Exposed time flow shower kit



- **TEMPOMIX 3 single control mixer** ¾".
- For wall-mounted, exposed installation.
- Temperature control and operation via the push-button.
- Maximum temperature limiter (can be adjusted by the installer).
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof **TONIC JET shower head** with comfort rain effect.
- Chrome-plated solid brass.
- Integrated filters and non-return valves.
- **Chrome-plated metal push-button.**
- Reinforced shower column Ø 16mm and collar (mounting bracket and screws included).
- Offset connectors M½", for centres 130 - 170mm.
- Suitable for people with reduced mobility.
- 30-year warranty.



| | |
|---------------------------|---------------|
| TEMPOMIX 3 exposed | 794450 |
|---------------------------|---------------|

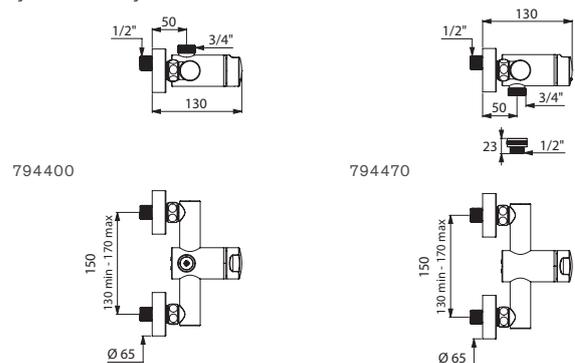
We recommend installing a floor trap (see page 131)
Option: STOP/CHECK connectors (see page 136)

TEMPOMIX 3

Exposed time flow shower mixer



- **TEMPOMIX 3 single control mixer** ¾".
- For wall-mounted, exposed installation.
- Temperature control and operation via the push-button.
- Maximum temperature limiter (can be adjusted by the installer).
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar, can be adjusted from 6 - 12 lpm.
- Chrome-plated solid brass.
- Integrated filters and non-return valves.
- **Chrome-plated metal push-button.**
- Offset connectors M½", for centres 130 - 170mm.
- Suitable for people with reduced mobility.
- 30-year warranty.



| TEMPOMIX 3 exposed mixer | |
|----------------------------------|---------------|
| Top outlet M¾" | 794400 |
| Bottom outlet M¾" with union M½" | 794470 |

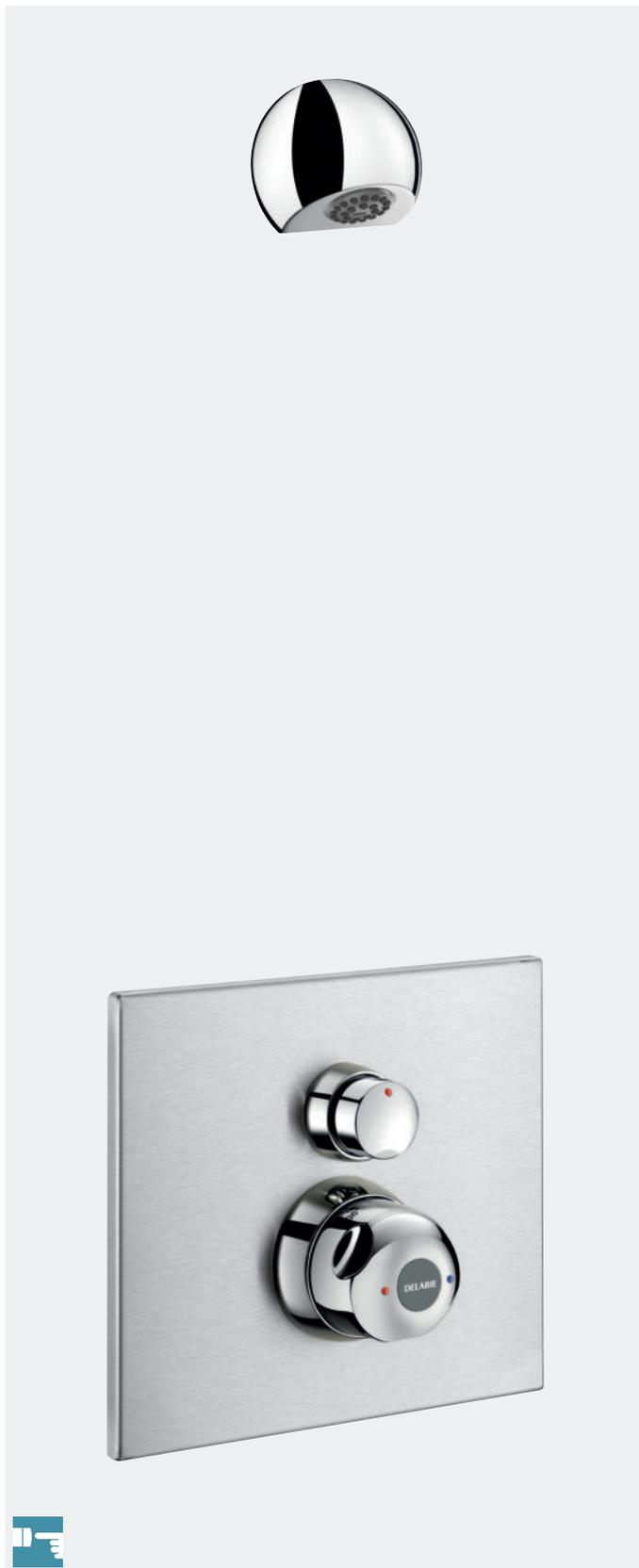
We recommend installing a floor trap (see page 131)
Options: STOP/CHECK connectors (see page 136) and shower heads (see page 134)



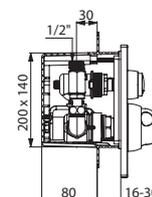
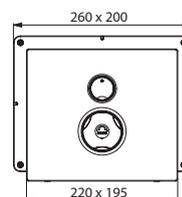
- **Water savings:** 80%
- **Comfort:** temperature selection directly via the mixer, thermostatic control, soft-touch operation, rain effect
- **Anti-scalding safety:** automatic shut-off if cold water fails
- **Easy to install:** adjustable waterproof housing

SECURITHERM

Thermostatic time flow shower kit in a waterproof housing



- Tamperproof satin finish stainless steel control plate 195 × 220mm.
- **Waterproof recessing housing.**
- 16 - 30mm allowance for different wall finishes.
- **SECURITHERM thermostatic mixer 3/4".**
- **Anti-scalding safety:** automatic shut-off if cold water fails.
- **Prevents cold showers:** automatic shut-off if hot water fails.
- Adjustable temperature control from 32 - 40°C, pre-set at 38°C.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar, comfort rain effect.
- Chrome-plated, tamperproof, **ROUND shower head.**
- Concealed fixings, stopcocks M1/2".
- Integrated filters and non-return valves.
- Chrome-plated Bayblend® control knob.
- Suitable for people with reduced mobility.
- 30-year warranty.



792BOX + 792219

| SECURITHERM shower recessed in waterproof housing | |
|---------------------------------------------------|------------------------|
| Kit with shower head | 792BOX + 792219 |
| Mixer without shower head (flow rate 9 lpm) | 792BOX + 792218 |

We recommend installing a floor trap (see page 131)



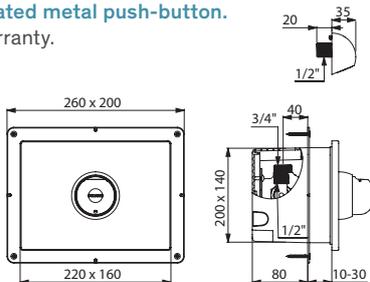
- **Water savings:** 80%
- **Comfort:** temperature selection directly via the single control mixer, soft-touch operation, rain effect
- **Vandal-resistant:** chrome-plated ligature-resistant collar, recessed installation, concealed fixings

TEMPOMIX

Time flow shower kit in a waterproof housing



- Tamperproof bright polished stainless steel control plate 160 × 220mm.
- **Waterproof recessing housing.**
- 10 - 30mm allowance for different wall finishes.
- **TEMPOMIX single control mixer 3/4".**
- **Ligature-resistant collar.**
- Temperature control and operation via the push-button.
- Maximum temperature limiter (can be adjusted by the installer).
- **Time flow ~30 seconds, soft-touch operation.**
- **Flow rate 6 lpm** at 3 bar for the kit, comfort rain effect.
- Chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation.
- Concealed fixings, stopcocks M1/2".
- Integrated filters and non-return valves.
- **Chrome-plated metal push-button.**
- 30-year warranty.



790BOX + 790219

| TEMPOMIX shower recessed in waterproof housing | |
|------------------------------------------------|------------------------|
| Kit with shower head | 790BOX + 790219 |
| Mixer without shower head (flow rate 12 lpm) | 790BOX + 790218 |

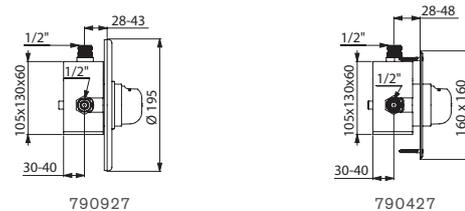
We recommend installing a floor trap (see page 131)

TEMPOMIX

Time flow shower kit in a standard housing



- Chrome-plated metal or stainless steel wall plate.
- **Standard recessing housing.**
- Recessing depth can be adjusted.
- **TEMPOMIX single control mixer 3/4".**
- **Ligature-resistant collar.**
- Temperature control and operation via the push-button.
- Maximum temperature limiter (can be adjusted by the installer).
- **Time flow ~30 seconds, soft-touch operation.**
- **Flow rate 6 lpm or 12 lpm** at 3 bar.
- Chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation.
- M1/2" connections for copper tubes.
- Integrated filters and non-return valves.
- **Chrome-plated metal push-button.**
- 30-year warranty.



TEMPOMIX shower recessed in standard housing

| Kit with shower head (flow rate - 6 lpm) | |
|-----------------------------------------------------------|---------------|
| With wall plate Ø 195mm and ROUND shower head | 790909 |
| With st. steel wall plate 160×160, ROUND shower head | 790709 |
| Mixer without shower head (flow rate - 12 lpm adjustable) | |
| With wall plate Ø 195mm | 790927 |
| With stainless steel wall plate 160 × 160mm | 790427 |

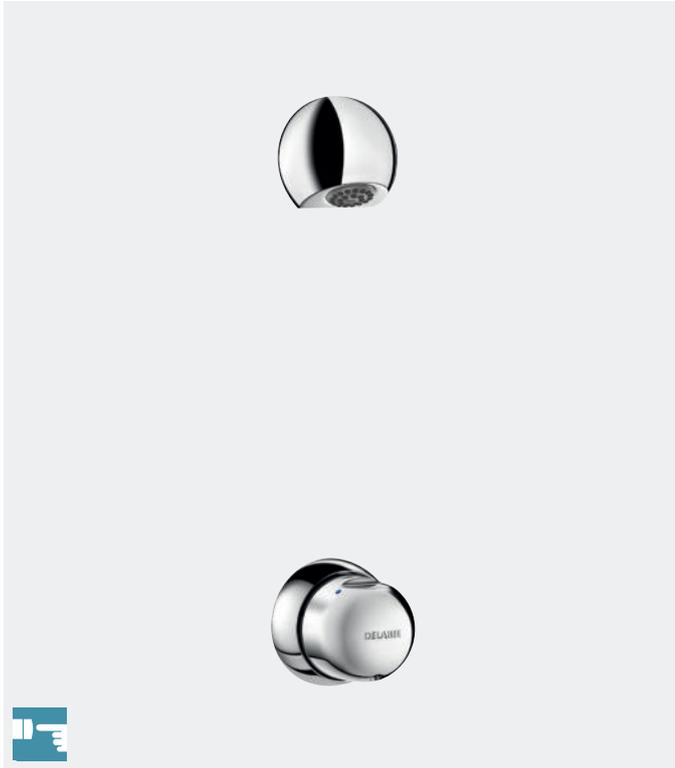
We recommend installing a floor trap (see page 131)



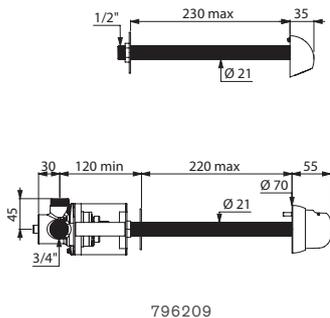
- **Water savings:** 80%
- **Comfort:** temperature selection directly via the single control mixer, soft-touch operation
- **Vandal-resistant:** chrome-plated solid brass, concealed fixings

TEMPOMIX

Cross wall time flow shower kit



- **TEMPOMIX 3/4" single control mixer.**
- For walls ≤ 220mm.
- Temperature control and operation via the push-button.
- Maximum temperature limiter (can be adjusted by the installer).
- **Ligature-resistant collar.**
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar, comfort rain effect.
- Chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation.
- Chrome-plated brass valve body and shower head.
- Integrated filters and non-return valves.
- **Chrome-plated metal push-button.**
- Threaded rods can be cut to size.
- 30-year warranty.



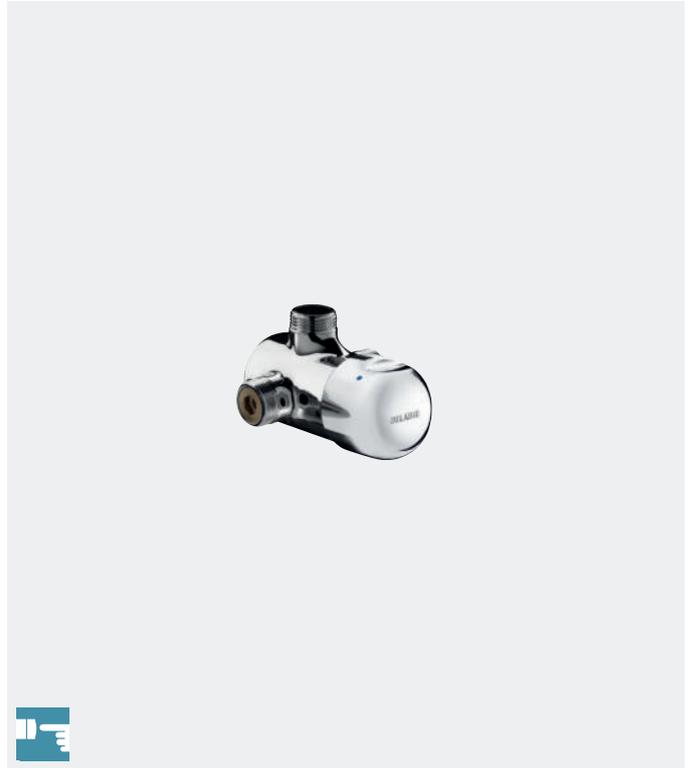
796209

TEMPOMIX cross wall shower kit **796209**

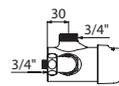
We recommend installing a floor trap (see page 131)
Other cross wall lengths available on request (minimum order of 200 units)

TEMPOMIX

Exposed time flow shower mixer



- **TEMPOMIX 3/4" single control mixer.**
- For wall-mounted, exposed installation.
- Temperature control and operation via the push-button.
- Maximum temperature limiter (can be adjusted by the installer).
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 12 lpm** at 3 bar, can be adjusted.
- Chrome-plated brass body.
- Integrated filters and non-return valves.
- **Chrome-plated metal push-button.**
- Available with or without elbow unions.
- 30-year warranty.



790874



790000

TEMPOMIX exposed mixer

| | |
|------------------------------------------------------------------------------------|---------------|
| With elbow unions 150mm centres | 790874 |
| With in-line unions 90mm centres | 790000 |
| For panels 1 - 10mm | 790970 |
| Reinforced wall plate Ø 80mm. Recommended for installing on panels or dry walls | 824800 |

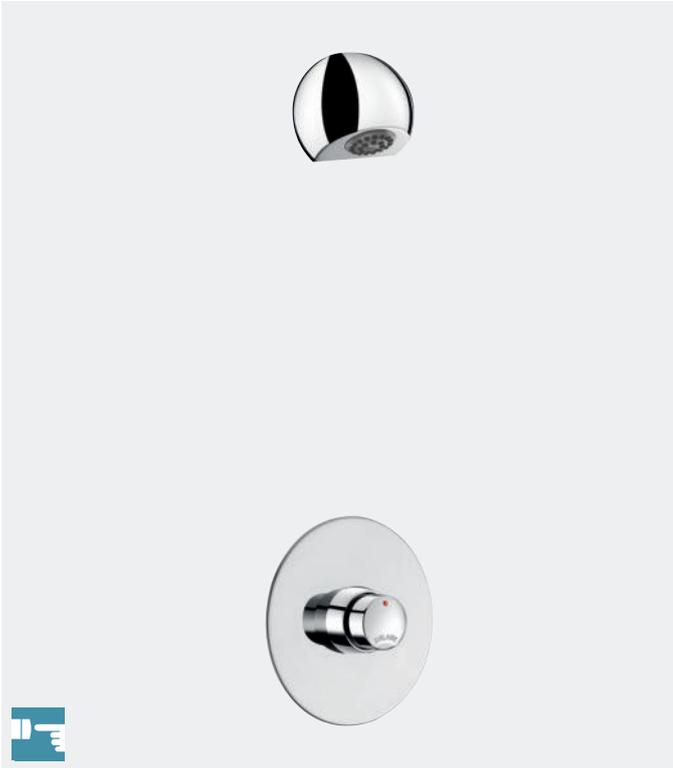
We recommend installing a floor trap (see page 131)
Option: shower heads (see page 134)



- **Water savings:** 80%
- **Comfort:** soft-touch operation, rain effect

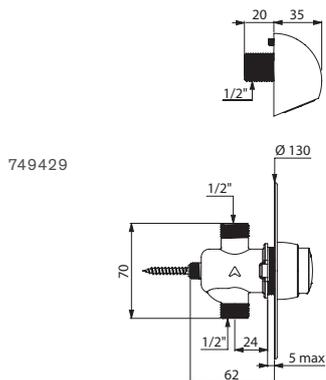
TEMPOSOFT 2

Recessed time flow shower kit



- **TEMPOSOFT 2 M $\frac{1}{2}$ " time flow valve** for mixed water supply.
- For recessed installation.
- Bright polished 304 stainless steel wall plate \varnothing 130mm.
- Spacing can be adjusted from 1 – 5mm.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar, comfort rain effect.
- Chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation.
- Suitable for people with reduced mobility.
- 30-year warranty.

This model does not have a waterproof recessing housing. The installer must ensure that the recessing area is waterproof and any leaks or condensation can drain away (see installation guide).



TEMPOSOFT 2 recessed shower kit 749429

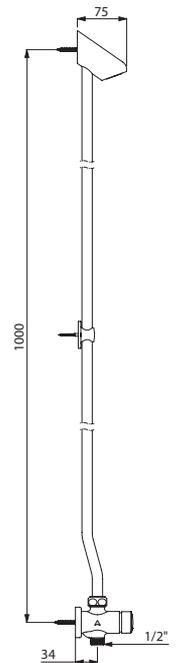
We recommend installing a TMV (see page 143) and a floor trap (see page 131)

TEMPOSOFT 2

Exposed time flow shower kit



- **TEMPOSOFT 2 M $\frac{1}{2}$ " time flow valve** for mixed water supply from beneath.
- For wall-mounted, exposed installation.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar, comfort rain effect.
- Chrome-plated, tamperproof **TONIC JET shower head** with automatic flow rate regulation.
- Chrome-plated brass body.
- Reinforced shower column \varnothing 16mm and collar (mounting bracket and screws supplied).
- Suitable for people with reduced mobility.
- 30-year warranty.



747801

TEMPOSOFT 2 exposed shower kit

| | |
|----------------------------------------------------|---------------|
| TEMPOSOFT 2 exposed | 747801 |
| In-line stopcock MF $\frac{1}{2}$ " (see page 136) | 825215 |
| Elbow stopcock MF $\frac{1}{2}$ " (see page 136) | 836015 |

We recommend installing a TMV (see page 143) and a floor trap (see page 131)



- **Water savings:** 80%
- **Comfort:** soft-touch operation

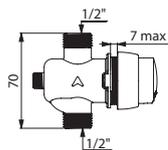
TEMPOSOFT 2

Time flow valve for panels



- **TEMPOSOFT 2 M¹/₂" time flow valve** for mixed water supply.
- **For panels or dry walls 7mm max.**
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate pre-set at 6 lpm** at 3 bar, can be adjusted.
- Chrome-plated brass body.
- Suitable for people with reduced mobility.
- 30-year warranty.

This model does not have a waterproof recessing housing. The installer must ensure that the recessing area is waterproof and any leaks or condensation can drain away (see installation guide).



749870

| | |
|------------------------------------------------------------------------------|---------------|
| TEMPOSOFT 2 valve for panels | 749870 |
| We recommend installing a TMV (see page 143) and a floor trap (see page 131) | |
| Option: shower heads (see page 134) | |

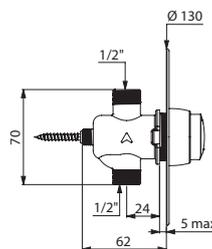
TEMPOSOFT 2

Recessed time flow valve



- **TEMPOSOFT 2 M¹/₂" time flow valve** for mixed water supply.
- For recessed installation.
- Bright polished 304 stainless steel wall plate Ø 130mm.
- Spacing can be adjusted from 1 – 5mm.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate pre-set at 6 lpm** at 3 bar, can be adjusted.
- Chrome-plated brass body.
- Suitable for people with reduced mobility.
- 30-year warranty.

This model does not have a waterproof recessing housing. The installer must ensure that the recessing area is waterproof and any leaks or condensation can drain away (see installation guide).



749428

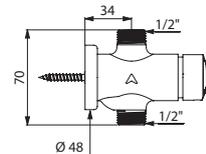
| | |
|------------------------------------------------------------------------------|---------------|
| TEMPOSOFT 2 recessed valve | 749428 |
| We recommend installing a TMV (see page 143) and a floor trap (see page 131) | |
| Option: shower heads (see page 134) | |

TEMPOSOFT 2

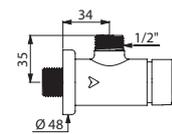
Exposed time flow valve



- **TEMPOSOFT 2 M¹/₂" time flow valve** for mixed water supply.
- For wall-mounted exposed installation.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate pre-set at 6 lpm** at 3 bar, can be adjusted.
- Chrome-plated brass body.
- Suitable for people with reduced mobility.
- 30-year warranty.



747800



748800

| TEMPOSOFT 2 exposed valve | |
|------------------------------------------------------------------------------|---------------|
| Straight for in-line inlets | 747800 |
| Angled for recessed inlets | 748800 |
| We recommend installing a TMV (see page 143) and a floor trap (see page 131) | |
| Option: shower heads (see page 134) | |



- **Water savings**
- **Vandal-resistant:** chrome-plated solid brass, recessed installation

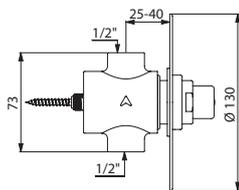
TEMPOSTOP

Recessed time flow valve



- **TEMPOSTOP F $\frac{1}{2}$ " time flow valve** for mixed water supply.
- For recessed installation.
- Stainless steel wall plate \varnothing 130mm.
- Recessing depth between 25 - 40mm.
- **Time flow ~30 seconds.**
- **Flow rate 12 lpm** at 3 bar, can be adjusted.
- Chrome-plated brass body and push-button.
- 30-year warranty.

This model does not have a waterproof recessing housing. The installer must ensure that the recessing area is waterproof and any leaks or condensation can drain away (see installation guide).



749128

TEMPOSTOP recessed valve with wall plate **749128**

We recommend installing a TMV (see page 143) and a floor trap (see page 131)
Option: shower heads (see page 134)

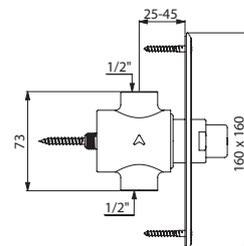
TEMPOSTOP

Recessed time flow valve



- **TEMPOSTOP F $\frac{1}{2}$ " time flow valve** for mixed water supply.
- For recessed installation.
- Satin finish stainless steel control plate 160 x 160mm.
- Recessing depth between 25 - 45mm.
- **Time flow ~30 seconds.**
- **Flow rate 12 lpm** at 3 bar, can be adjusted.
- Chrome-plated brass body and push-button.
- 30-year warranty.

This model does not have a waterproof recessing housing. The installer must ensure that the recessing area is waterproof and any leaks or condensation can drain away (see installation guide).



749628

TEMPOSTOP recessed valve with wall plate **749628**

We recommend installing a TMV (see page 143) and a floor trap (see page 131)
Options: shower heads (see page 134)



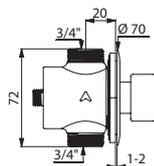
- **Water savings:** 80%
- **Vandal-resistant:** chrome-plated metal, recessed or cross wall installation

TEMPOSTOP

Time flow valve for panels



- **TEMPOSTOP M 3/4" time flow valve** for mixed water supply.
- For panel mounting 2mm max.
- Chrome-plated metal wall plate Ø 70mm.
- **Time flow ~30 seconds.**
- **Flow rate 12 lpm** at 3 bar, can be adjusted.
- Chrome-plated brass body and push-button.
- Rear locking ring.
- 30-year warranty.

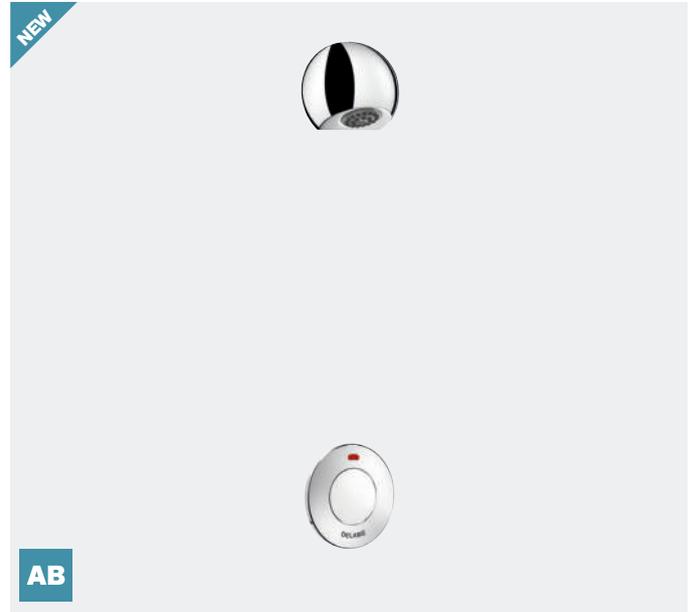


749770

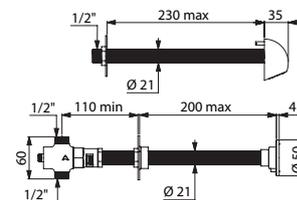
| | |
|----------------------------------------------------------------------------------------------------------------------------|---------------|
| TEMPOSTOP valve for panels | 749770 |
| We recommend installing a TMV (see page 143) and a floor trap (see page 131) Option: shower heads (see page 134) | |

TEMPOSTOP

Cross wall time flow shower kit



- **TEMPOSTOP M 1/2" time flow valve** for mixed water supply.
- For cross wall installation.
- **Time flow ~15 or 30 seconds.**
- **Flow rate 6 lpm** at 3 bar, comfort rain effect.
- Chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation.
- Chrome-plated metal control.
- Concealed fixings and anti-rotating pin.
- Threaded rods can be cut to size.
- **Available with AB anti-blocking system:** water only flows when push-button is released.
- 30-year warranty.



747110

| TEMPOSTOP cross wall shower kit | |
|------------------------------------------------------------------------------|---------------|
| For walls ≤ 200mm, AB system, ~15 seconds | 747110 |
| For walls ≤ 200mm, ~30 seconds | 749110 |
| Back-nut with 3 screws (reinforced clamp behind wall) | 826315 |
| We recommend installing a TMV (see page 143) and a floor trap (see page 131) | |



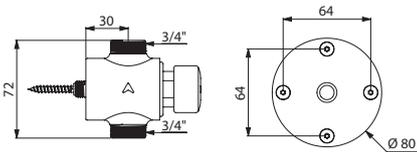
- **Water savings:** 80%
- **Vandal-resistant:** chrome-plated solid brass

TEMPOSTOP

Exposed time flow valve M $\frac{3}{4}$ "



- **TEMPOSTOP M $\frac{3}{4}$ " time flow valve** for in-line mixed water supply.
- For wall-mounted, exposed installation.
- **Time flow ~30 seconds.**
- **Flow rate 12 or 75 lpm** at 3 bar, can be adjusted.
- Chrome-plated brass body and push-button.
- 30-year warranty.



749000

824800

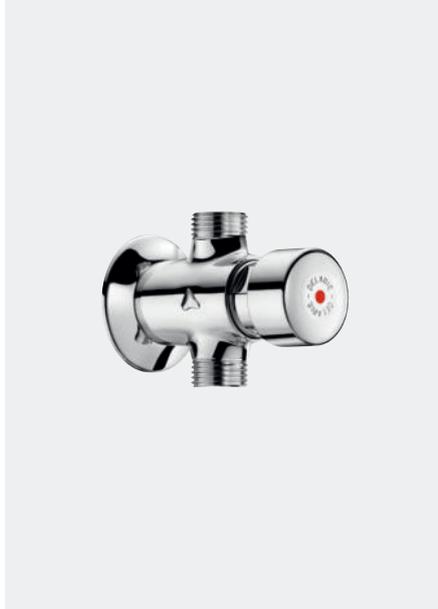
| TEMPOSTOP M $\frac{3}{4}$ " exposed valve | |
|-------------------------------------------------------------------------------------------------------|---------------|
| 12 lpm with flow rate adjustment | 749700 |
| 75 lpm without flow rate adjustment. <i>Recommended for low pressure environments</i> | 749000 |
| Reinforced wall plate \varnothing 80mm. <i>Recommended for installing on panels or dry walls</i> | 824800 |

We recommend installing a TMV (see page 143) and a floor trap (see page 131)

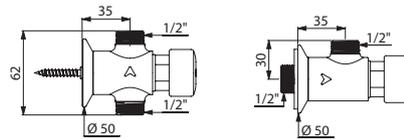
Option: shower heads (see page 134)

TEMPOSTOP

Exposed time flow valve M $\frac{1}{2}$ "



- **TEMPOSTOP M $\frac{1}{2}$ " time flow valve** for mixed water supply.
- For wall-mounted, exposed installation.
- **Time flow ~15 or 30 seconds.**
- **Flow rate pre-set at 9 lpm** at 3 bar, can be adjusted.
- Chrome-plated brass body and push-button.
- 30-year warranty.



747000

748000

| TEMPOSTOP exposed valve M $\frac{1}{2}$ " | |
|----------------------------------------------------------------------------------------------------------|---------------|
| Straight for in-line inlets, M $\frac{1}{2}$ " (~15 seconds) | 747000 |
| Straight for in-line inlets, M $\frac{1}{2}$ " \varnothing 15mm for compression fittings (~30 seconds) | 749721 |
| Angled for recessed inlets, M $\frac{1}{2}$ " (~15 seconds) | 748000 |

We recommend installing a TMV (see page 143) and a floor trap (see page 131)

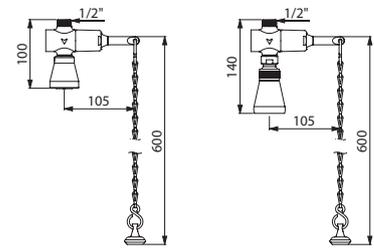
Option: shower heads (see page 134)

TEMPOSTOP

Chain-pull time flow shower kit



- **TEMPOSTOP M $\frac{1}{2}$ " time flow valve** for mixed water supply from above.
- Ceiling-mounted.
- **Time flow ~15 seconds.**
- **Flow rate 6 or 9 lpm** at 3 bar, can be adjusted.
- Chrome-plated brass body.
- Lever and chain fitted with handle.
- With fixed GYM shower head or adjustable GYM COMFORT shower head (see pages 134-135).
- 30-year warranty.



747006

747004

| Chain-pull TEMPOSTOP shower kit | |
|----------------------------------------------|---------------|
| With fixed tamperproof GYM shower head 6 lpm | 747006 |
| With adjustable GYM COMFORT shower head | 747004 |

We recommend installing a TMV (see page 143) and a floor trap (see page 131)





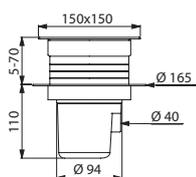
- **Easy to install:** trap suitable for different floor types (soft or hard)
- **Vandal-resistant:** tamperproof stainless steel grid and screw fixings

Adjustable height floor trap

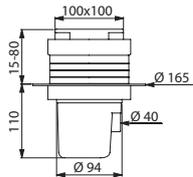
For tiled, concrete and vinyl floors



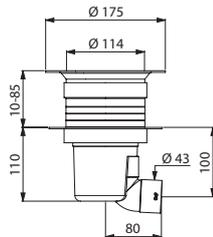
- **Flow rate 36 lpm (meets standards).**
- **Water level 50mm.**
- **Bright polished stainless steel grid.**
- **Vertical or horizontal outlet** integrated into the height of the floor trap (saves height and space in all dimensions).
- Integrated waterproof plate to seal waterproof membrane.
- Withstands high temperatures: 60°C continuous, 85°C peak.
- Plunger with handle: easy to grip and easy to clean.
- Smooth PVC body (prevents build-up of impurities).
- Classified non-flammable (American certification UL94).
- **Height adjusts** with extension.
- Grid fixed by 2 stainless steel screws.
- For hard floors (tiled or concrete) or soft floors (vinyl).
- 30-year warranty.



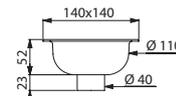
683001



682001



683002UK



684000

Floor trap for tiled or concrete floors

| | |
|---------------------------------------------------------------------|-----------------|
| 150 x 150mm, adjustable height up to 70mm, outlet Ø 40mm | 683001 |
| 150 x 150mm, adjustable height up to 70mm, horizontal outlet Ø 43mm | 683001UK |
| 100 x 100mm, adjustable height up to 80mm, outlet Ø 40mm | 682001 |
| 100 x 100mm, adjustable height up to 80mm, horizontal outlet Ø 43mm | 682001UK |

Floor trap for soft or vinyl floors

| | |
|------------------------------------------------------|-----------------|
| Ø 114mm, adjustable height up to 85mm, outlet Ø 40mm | 683002 |
| Ø 114mm, adjustable height up to 85mm | 683002UK |

Floor trap

For tiled or concrete floors



- **Flow rate 18 lpm.**
- **Water level 18mm.**
- Stainless steel body 140 × 140mm.
- Bright polished stainless steel grid fixed by a stainless steel screw.
- PVC bell.
- **Vertical outlet Ø 40mm** (provide elbow for horizontal outlet).
- For hard floors (tiled or concrete).
- 30-year warranty.

| | |
|------------------------|---------------|
| Floor trap 140 x 140mm | 684000 |
|------------------------|---------------|

DELABIE / Rain effect shower heads RAINY

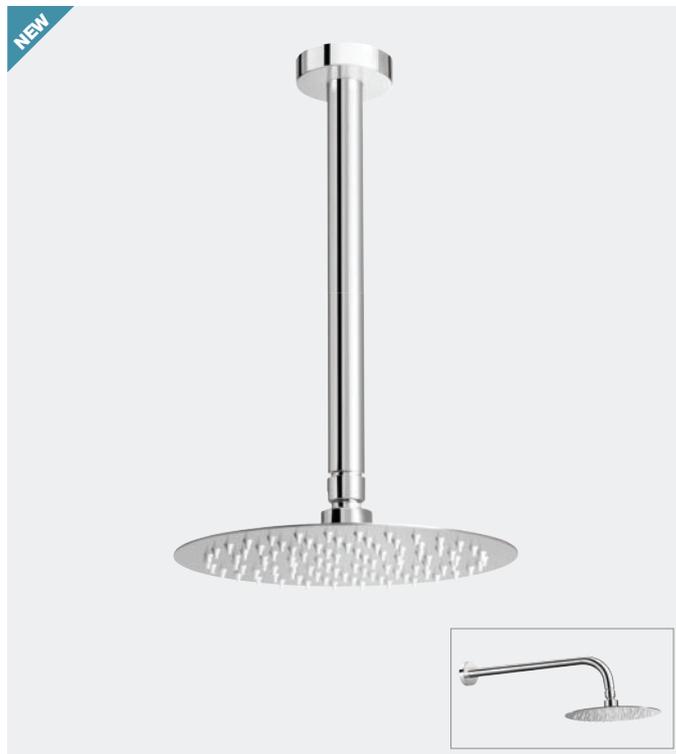


- **Water savings:** 80%
- **Comfort:** rainfall effect flow engulfs user, effective and comfortable shower
- **Design:** sleek and timeless design for spas, leisure centres, gyms, hotels, swimming pools etc.

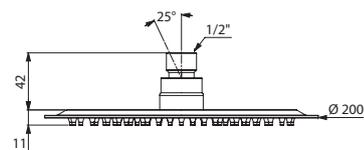


RAINY

Rainfall effect shower head



- Shower head.
- **Flow rate 6 lpm** at 3 bar.
- A higher flow rate can be achieved (remove flow rate regulator).
- Scale-resistant head with nozzles.
- **Soft rainfall effect flow engulfs user.**
- Chrome-plated metal.
- Inlet M $\frac{1}{2}$ ".
- Available for wall or ceiling-mounted installation.
- 30-year warranty.



708040

| RAINY wide shower head | |
|---------------------------------------|---------------|
| Shower head | 708040 |
| Horizontal shower arm $\frac{1}{2}$ " | 710040 |
| Vertical shower arm $\frac{1}{2}$ " | 710050 |

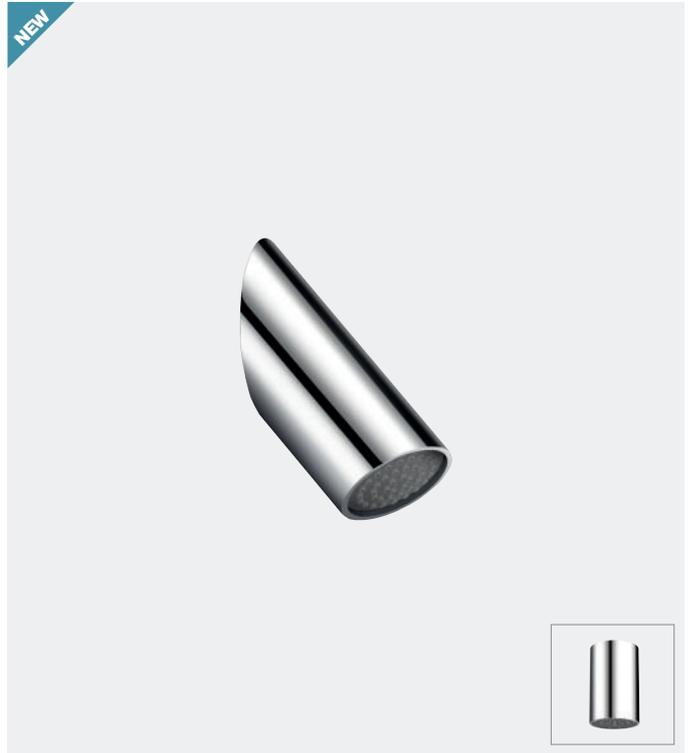


- **Water savings:** 80%
- **Comfort:** rain effect flow engulfs user, effective and comfortable shower
- **Easy to install:** the shower head clips onto the connection installed in the wall
- **Design:** sleek and timeless design for spas, leisure centres, gyms, hotels, swimming pools etc.

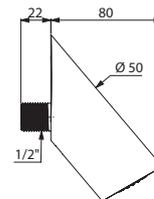


RAINY

Rain effect shower head



- Fixed shower head.
- **Flow rate 6 lpm** at 3 bar.
- A higher flow rate can be achieved (remove flow rate regulator).
- Scale-resistant head with nozzles, ligature-resistant.
- **Soft rain effect flow engulfs user.**
- Chrome-plated metal.
- **Easy installation system:** install the connection in the wall and then clip the shower head to it.
- Inlet M $\frac{1}{2}$ ".
- Recessed version is available, for panels, ceiling-mounted or cross wall (cut-to-size threaded rod).
- 30-year warranty.



708000

| RAINY shower head | |
|--------------------------|---------------|
| For recessed water inlet | 708000 |
| For panels ≤ 15mm | 708010 |
| Ceiling-mounted | 708030 |
| For partitions ≤ 230mm | 708200 |

DELABIE / Shower heads



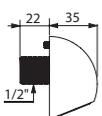
- **Water savings:** 80%
- **Easy to service:** rain effect nozzle, no water or impurities retention, shower head drains after use
- **Comfort:** rain effect
- **Vandal-resistant:** tamperproof, chrome-plated solid brass, recessed or cross wall versions, ligature-resistant nozzle

ROUND

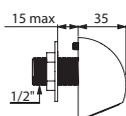
Rain effect shower head



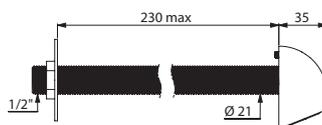
- Fixed shower head.
- **Flow rate 6 lpm** at 3 bar.
- **Automatic flow rate regulation.**
- **Rain effect comfort nozzle.**
- Chrome-plated brass.
- Fixed with concealed blocking screw.
- Systematically drains after use (no water or impurity retention).
- Inlet M $\frac{1}{2}$ ".
- Available for recessed, panels, columns or cross wall versions (threaded rods can be cut to size).
- 30-year warranty.



709000



709010



709200

ROUND shower head

| | |
|------------------------|---------------|
| For recessed inlets | 709000 |
| For panels \leq 15mm | 709010 |
| For walls \leq 230mm | 709200 |

Other cross wall lengths are available on request

TONIC JET

Rain effect shower head

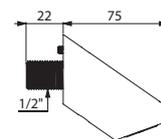


GYM

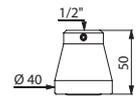
Rain effect shower head



- Ceiling-mounted shower head. Inlet F $\frac{1}{2}$ ".



712000



716000

TONIC JET shower head

| | |
|------------------------------------------------------------------------------------|---------------|
| For recessed inlets | 712000 |
| For panels \leq 10mm | 712010 |
| For column set F $\frac{3}{4}$ " and collar (mounting bracket and screws supplied) | 712020 |

| | |
|------------------------|---------------|
| GYM shower head | 716000 |
|------------------------|---------------|

Other cross wall lengths are available on request



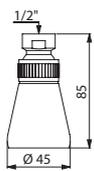
- **Comfort:** rain effect
- **Vandal-resistant:** brass, streamlined design, concealed fixings

GYM COMFORT

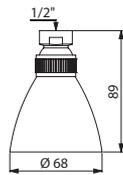
Shower head



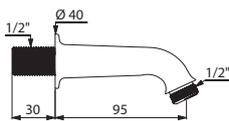
- Adjustable shower head.
- Scale-resistant.
- 30 lpm at 3 bar without flow rate limiter.
- 30-year warranty.



711000



711002



710000



927005.5P

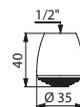
| GYM COMFORT shower head | |
|-----------------------------------------|------------------|
| F 1/2", Ø 45mm | 711000 |
| EXTRA F 1/2", Ø 68mm | 711002 |
| Chrome-plated brass shower arm, MM 1/2" | |
| L. 95mm | 710000 |
| Flow rate limiters, FM 1/2" | |
| 5 - 6 lpm (5 per pack) | 927005.5P |
| 10 lpm (5 per pack) | 927015.5P |

Ceiling-mounted

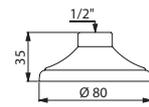
Shower head



- Ceiling-mounted and tamperproof shower head.
- 30-year warranty.



88CH5

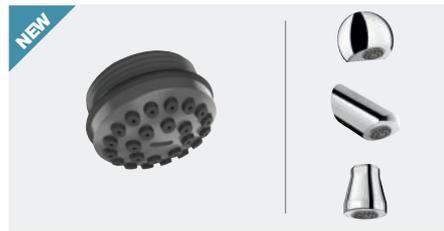


715000

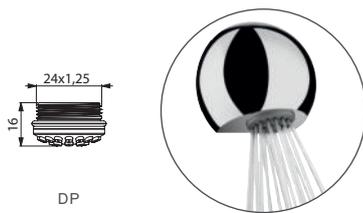
| Ceiling-mounted shower head | |
|-----------------------------------|---------------|
| With 5 rings, chrome-plated brass | 88CH5 |
| Chrome-plated, large rim Ø 80mm | 715000 |

Comfort nozzle

Rain effect



- Rain effect comfort nozzle.
- 30-year warranty.



DP

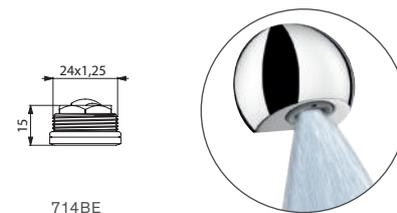
| | |
|----------------------------|----|
| Rain effect comfort nozzle | DP |
|----------------------------|----|

Shower nozzle

With conical jet



- Scale-resistant shower nozzle with swivelling conical jet.
- Can replace nozzles from ROUND, TONIC JET and GYM shower heads
- 30-year warranty.



714BE

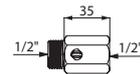
| | |
|-------------------------|-------|
| Nozzle with conical jet | 714BE |
|-------------------------|-------|

In-line STOP union

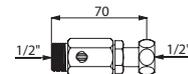
With stopcock



- Integrated stopcock.
- Nickel-plated brass.
- MF1/2".
- 30-year warranty.



825015



825215

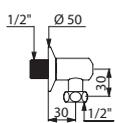
| In-line STOP union | |
|----------------------|--------|
| Without nut | 825015 |
| With retractable nut | 825215 |

Elbow union

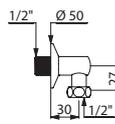
With or without stopcock



- With or without integrated stopcock.
- With retractable nut.
- Chrome-plated brass.
- 30-year warranty.



836015



838015

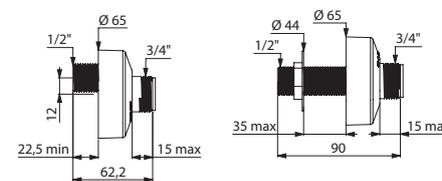
| Elbow STOP union with stopcock | |
|----------------------------------------------|-----------|
| MF1/2", L. 30mm, H. 30mm | 836015 |
| M1/2" - F3/4", L. 30mm, H. 30mm ±2mm | 836020 |
| MF1/2", L. 20mm, H. 30mm | 836215 |
| Elbow union without stopcock L. 30mm | |
| MF1/2", H. 27mm | 838015 |
| M1/2" - F3/4", H. 29mm | 838020 |
| FF3/4", H. 20mm with rivet nuts (2 per pack) | 874220.2P |

In-line or offset connector

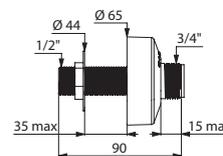
With STOP/CHECK



- Chrome-plated brass connector.
- M1/2" - M3/4".
- Escutcheon Ø 65mm.
- STOP function: integrated stopcock.
- CHECK function: checks if non-return valves are watertight where fitted to mixers (DELABIE patented).
- Supplied in packs of 2.
- 30-year warranty.



855755.2P



855755UK.2P

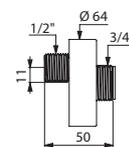
| Wall connector with STOP/CHECK | |
|-------------------------------------|-------------|
| Offset 12mm | 855755.2P |
| In-line for cross wall installation | 855755UK.2P |

Offset connector

Standard



- Offset standard connector 11mm.
- M1/2" - M3/4".
- Escutcheon Ø 64mm.
- L. 50mm.
- Chrome-plated brass.
- Supplied in packs of 2.
- 30-year warranty.



856794.2P

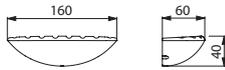
| | |
|----------------------------|-----------|
| Offset standard connectors | 856794.2P |
|----------------------------|-----------|

Soap dish

Wall-mounted



- Concealed fixings.
- Support fixed to wall by 4 screws.
- Chrome-plated Bayblend®.
- Matte or bright finish.
- 30-year warranty.



710500

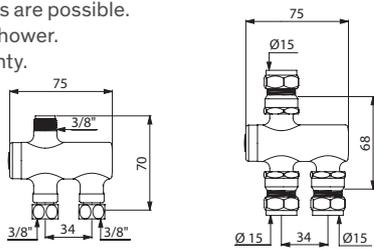
| Wall-mounted soap dish | |
|------------------------|--------|
| Matte finish | 710500 |
| Bright finish | 710501 |

PREMIX NANO

Thermostatic mixing valve



- Thermostatic mixing valve for MW distribution.
- Temperature can be adjusted from 34 - 60°C.
- To be placed upstream of the shower.
- Anti-scalding failsafe.
- Filters and non-return valves.
- Thermal shocks are possible.
- Supplies one shower.
- 30-year warranty.



732012

732115

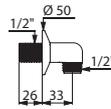
| PREMIX NANO | |
|------------------------------------|-----------|
| Nickel, FFM ^{3/8"} | 732012 |
| Polished, FFM ^{3/8"} | 732016 |
| Nickel, M ^{1/2"} Ø 15mm | 732115 |
| Nickel, F ^{1/2"} Ø 15mm | 732115MEC |
| Polished, M ^{1/2"} Ø 15mm | 732116 |

Wall-mounted elbow outlet

For flexible shower hoses



- Wall-mounted elbow outlet for flexible shower hoses.
- Solid brass.
- M^{1/2"}.
- 30-year warranty.



868121

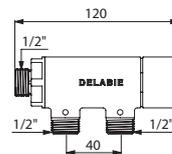
| Wall-mounted elbow outlet | |
|---------------------------|--------|
| | 868121 |

PREMIX COMPACT

Thermostatic mixing valve



- Thermostatic mixing valve for MW distribution.
- Temperature can be adjusted from 30 - 60°C.
- To be placed upstream of the shower.
- Anti-scalding safety.
- Filters and non-return valves.
- Thermal shocks are possible.
- Supplies 1 - 3 showers.
- 30-year warranty.



733015

| PREMIX COMPACT | |
|--------------------------|--------|
| M ^{1/2"} | 733015 |
| M ^{3/4"} | 733020 |
| M ^{1/2"} Ø 15mm | 733115 |
| M ^{3/4"} Ø 15mm | 733116 |

CONTROLLING WATERBORNE HEALTH RISKS

Water, essential for hygiene, can also be a source of infection if its quality is not controlled. The proliferation of bacteria (*Legionella spp.*, *Pseudomonas aeruginosa*, etc.) in the water supply or in mixers and taps may cause serious infections, especially for vulnerable people.

Water systems in all buildings open to the public should be monitored for *Legionella* i.e. swimming pools, leisure centres, hotels and holiday accommodation, campsites, medical social care and social care establishments, spaces for disabled people, prisons, etc.

This applies in all circumstances where the Health and Safety at Work Act 1974 - which imposes the monitoring of the bacteriological quality of water in sanitary installations - applies.

The prevention of health risks associated with pathogenic bacteria in water systems should be a constant concern for public buildings.

The BIOFIL range of point-of-use filters provides a preventative or curative solution to secure the water quality at the point-of-use and protect the health of the user.

AREAS OF USE

Anti-Legionella and all-germ filters

Non-sterile BIOFIL filters are **CE marked class I Medical Devices** and sterile BIOFIL filters are **CE marked class Is Medical Devices**. They offer facilities that welcome the public to **protect their users against the risk of Legionella and instant compliance with regulations**. They are suitable for all types of buildings that welcome the public for the following usage: body hygiene, hand-washing and balneotherapy.

BIOFIL filters can be installed on the compromised point-of-use (basin or shower).

They filter water directly at the point-of-use ensuring the water is free of bacteria.

THE INSTANT BIOFIL SOLUTION

Mixer or tap can be used immediately after installation of the filter.

BIOFIL FILTERS PERFORMANCE

Hollow fibre filter

Each BIOFIL filter incorporates a hollow fibre membrane with a water filtration threshold of 0.1 micron nominal-rated. They **deliver water free from microorganisms** (bacteria, protozoa, fungi, particles in water systems...) without changing its chemical composition. **They provide total protection against waterborne infection.**

Larger filtration area than flat membrane

The filtration area is substantially larger in BIOFIL filters with hollow fibre membranes than it is in flat membranes. This large filtration area allows a **larger volume of water to be filtered**. Consequently the storage capacity for bacteria and impurities trapped inside the filter is much greater.

Reduced risk of premature clogging

Articles in suspension stay on the surface of the hollow fibre membrane which delays clogging. The large capacity of the storage area means that the membrane's lifespan is longer.

Extremely compact filters

Unlike other point-of-use filters on the market, BIOFIL filters are smaller due to the compact nature of the fibre. They are suitable for most water controls on the market.

TOTAL CONTROL OF MANUFACTURING PROCESS

100% quality controlled

The fibre quality and porosity of the finished product are continuously monitored during the manufacturing process for 100% of the fibres.

COMPONENT DISPOSAL STRATEGY

BIOFIL filters are classified as household waste. The outer packaging is made from recycled cardboard which is also fully recyclable.



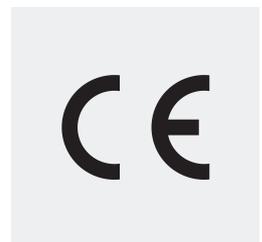
Bacteriologically controlled water



Section of the BIOFIL tap filter



Tilted to optimise the position of the tap filter



- CE marked class I Medical Devices for non-sterile filters
- CE marked class Is Medical Devices for sterile filters



ROUND shower head fitted with BIOFIL cartridge



BIOFIL shower filter



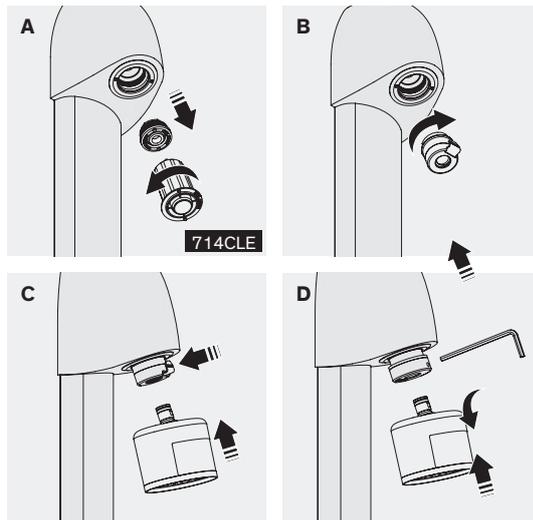
Maximum lifespan

QUICK AND EASY TO INSTALL

BIOFIL cartridges and shower heads are simple to connect to the outlet requiring treatment without the need for tools. The water supply does not need to be shut off. Push-fit connectors allow filters to be fitted to all water control outlets and shower hoses. A screw-in version can be installed on a standard flexible hose in a matter of seconds.

To install a cartridge filter on a SPORTING shower panel or on a DELABIE shower head: replace the nozzle **A** with the connector **B**:

- Standard connector version see **C**.
- Vandal-resistant connector version see **D**.



RESISTANT TO WATER SYSTEM TREATMENTS

BIOFIL filters will withstand thermal and chemical shocks.

During chemical or thermal shocks, impurities are trapped in the filter and reduce its lifespan. DELABIE therefore recommends changing the filter after any treatment.

Resistance to thermal shocks:

Temperatures of 70°C for a cumulative period of 30 minutes during its lifetime.

Resistance to chemical shocks:

Chlorine levels for 2-month filters: 2 hours at 100ppm; 3-month filters: 3 hours at 100ppm; 4-month filters: 4 hours at 100ppm.

LIFESPAN

BIOFIL anti-Legionella and all-germ filters can be used for up to 4 months after initial installation (depending on the model installed).

After the time period marked on the filter (2, 3 or 4 months), DELABIE recommends changing the filter to avoid any risk of retro-contamination from the bacteria concentrated in the filter especially in at-risk areas.

Note: The amount of impurities in the water will vary between water systems. Filters will therefore become clogged at different rates.

If the filter becomes clogged prematurely, it is necessary to change it. We recommend pre-filtration upstream at different levels in the system to filter out sand and scale, etc.

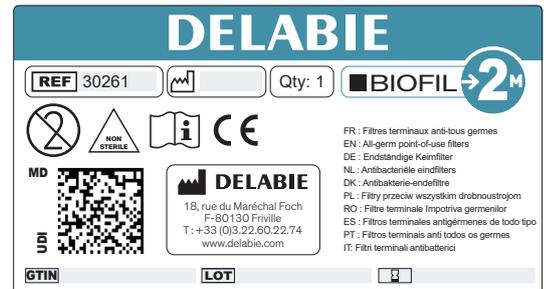
Bacterial proliferation is significantly reduced in an installation where the water is pre-filtered, and the lifespan of all equipment is greatly increased.

OPTIMISED TRACEABILITY

To control the health risks associated with water, the whole process from the manufacture of the medical device components to the use of the finished product must be completely traceable.

Individual packet label

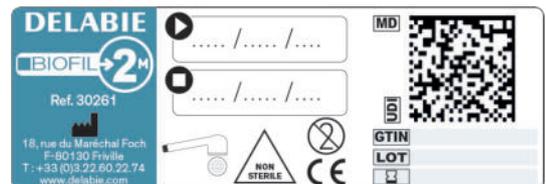
All BIOFIL filters have a unique batch number which can be easily traced back through the production process.



Double labelling on the filter

Filters are supplied with 2 waterproof labels which identify the product and ensure traceability when the filter is changed.

One is positioned on the product itself, the other can be removed and transferred to the record log, ensuring traceability.



For more information on the BIOFIL point-of-use filters range, see the "Water Controls for Healthcare Facilities and Retirement Homes" catalogue (Doc 900INT).



- **BIOSAFE:** immediate protection against waterborne nosocomial infections (*Legionella spp.*, *Pseudomonas Aeruginosa*, etc.)
- **Quick and easy to install:** connect without tools or shutting off the water supply, filters suitable for all types of water controls
- **Filtration area:** larger than flat membranes
- **Space-saving:** suitable for taps with low drop heights

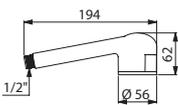
BIOFIL shower filter

Anti-Legionella and all-germ

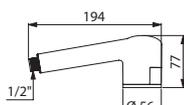


- Single use shower filter with **0.1µm nominal** sterilising grade.
- **Quick to install: screws on to all standard shower hoses.**
- Hydrophilic polyethylene hollow fibres.
- Maximum lifespan: **2, 3 or 4 months.**
- Filtration flow rate: 11.2 - 11.8 lpm* at 3 bar depending on the model (filter only, excludes any flow rate restrictor/regulator in the shower).
- Compatible with and resistant to chemical and thermal shocks.
- **Non-sterile and sterile filters**, individually wrapped.
- **Non-sterile filters:** CE marked class I Medical Devices.
- **Sterile filters:** CE marked class Is Medical Devices.
- **Very light hand spray:**
 - 2-month version: empty filter: 105g; filter filled with water: 186g.
 - 3 and 4-month versions: empty filter: 133g; filled with water 253g.

*Average flow rate during the product lifespan.



30261



30361

| Shower filter | Sterile | Non-sterile |
|------------------|---------|-------------|
| 2-month lifespan | 20261 | 30261 |
| 3-month lifespan | 20361 | 30361 |
| 4-month lifespan | 20461 | 30461 |

*Reference applies to a single unit. Can only be ordered in multiples of 10 (packaged in boxes of 10).

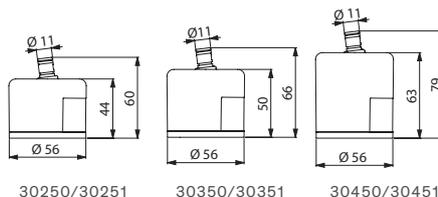
BIOFIL tap or wall shower filter

Anti-Legionella and all-germ



- Single use tap or wall shower filter with **0.1µm nominal** sterilising grade.
- Hydrophilic polyethylene hollow fibres.
- Maximum lifespan: **2, 3 or 4 months.**
- **Space-saving**, suitable for taps with low drop heights.
- Filtration flow rate: 5.5 lpm* at 3 bar for 2-month versions; 7.6 lpm* at 3 bar for 3 and 4-month versions (filter only, excludes any flow rate restrictor).
- Careful management of retro-contamination: **protective skirt** and filter position is optimised thanks to a **tilted connector.**
- Compatible with and resistant to chemical and thermal shocks.
- **Non-sterile and sterile filters**, individually wrapped.
- **Non-sterile filters:** CE marked class I Medical Devices.
- **Sterile filters:** CE marked class Is Medical Devices.

*Average flow rate during the product lifespan.



| Tap / wall shower filter | Sterile | Non-sterile |
|--------------------------|---------|-------------|
| 2-month, shower spray | 20250 | 30250 |
| 2-month, laminar flow | 20251 | 30251 |
| 3-month, shower spray | 20350 | 30350 |
| 3-month, laminar flow | 20351 | 30351 |
| 4-month, shower spray | 20450 | 30450 |
| 4-month, laminar flow | 20451 | 30451 |

*Reference applies to a single unit. Can only be ordered in multiples of 10 (packaged in boxes of 10).

Additional fittings

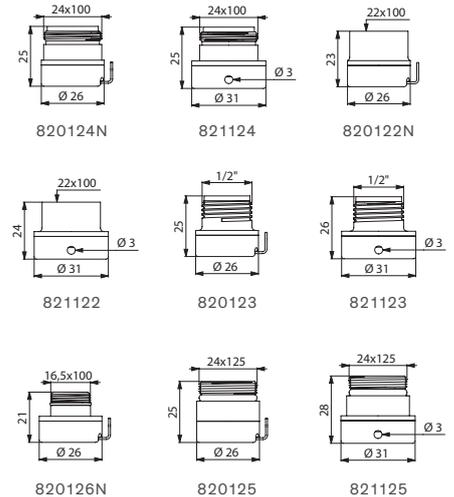


Push-fit connector

- Simple to connect to the point-of-use requiring treatment, no tools required.
- Standard or vandal-resistant versions available.



Vandal-resistant version:
Tamperproof connector prevents vandalism and unauthorised removal of filter.



| Push-fit connector for tap filter | |
|--------------------------------------------|---------|
| M24/100 | 820124N |
| M24/100, vandal-resistant | 821124 |
| F22/100 | 820122N |
| F22/100, vandal-resistant | 821122 |
| M1/2" | 820123 |
| M1/2", vandal-resistant | 821123 |
| M16.5x100 | 820126N |
| Push-fit connector for wall shower filters | |
| M24x125 | 820125 |
| M24x125, vandal-resistant version | 821125 |

These connectors are suitable for use with the new range of filters shown opposite.



Thermostatic mixing valves

SOLUTIONS
FOR THERMOSTATIC
MIXING VALVES

144

GROUP
THERMOSTATIC
MIXING VALVES

150



THERMOSTATIC
MIXING VALVES

154



ABOUT LEGIONNAIRES' DISEASE



Hygiene and controlling bacterial proliferation



Chemical shocks are ineffective over the long term



Thermal shocks are ineffective over the long term

What is Legionnaires' disease?

It is a serious **respiratory infection** caused by a bacterium: Legionella. The illness which follows, Legionnaires' disease, is fatal in 15-20% of cases.

Legionella is a **system bacterium which develops in warm water in pipework or cisterns**. It only becomes dangerous when inhaled when it may spread into the lungs and rapidly develop in white blood cells.

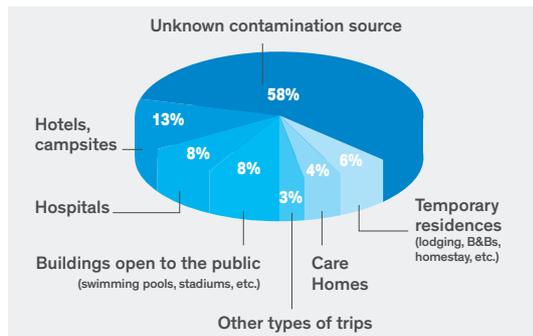
Legionnaires' disease is more likely to affect adults, especially older smokers and people with respiratory problems or weak immune systems.

Legionnaires' disease is treated with antibiotics. The World Health Organization (WHO) states that the alert level for Legionella starts at 1,000 Colony Forming Units (CFU) per litre of water (250 for hospitals). The UK alert level is 100 CFU/L.

Which installations are at risk?

Legionellae develop in **stagnant water** between 25-45°C, with an optimum temperature between 30-37°C. Humid areas with scale, mud or which have been affected by corrosion are more prone to Legionella development.

Environments at risk include hot water systems, cooling towers, health resorts, water fountains, shower rooms, spas, etc.



Source: French Institute for Public Health Surveillance, 2015, based on 1,389 declared cases

Development of Legionella per temperature

| Temperature | Development of Legionella |
|-------------|---------------------------|
| < 20°C | Dormant |
| 25-45°C | Multiplies |
| 50°C | 90% die within 2 hours |
| 60°C | 90% die within 2 minutes |

Source: CSTC Belgium November 2002

Current curative treatments are ineffective

- Chemical shocks: a chlorine injection 50 mg/L for 1 hour (HSE guidance); ≥ 10 mg/L for 8 hours (WHO).
- Thermal shocks: circulating hot water at 60°C for 60 minutes (in Europe: 70°C for 30 minutes).

• A short term effect:

The system can be very quickly recolonised within **3-4 weeks**. The inside of the pipework is covered by a biofilm: a sort of gel which bacteria stick to, feed on and proliferate in. The biofilm protects them and enables them to withstand temperature variations (thermal shocks) and biocide products (chemical shocks).

During curative treatments, the risk is not only that the bacteria will get used to the treatment and thus develop their resistance to it, but above all will provoke detachment of bacteria aggregates which will be deposited closer to the water outlet and thus, to the user.

• Negative effect in distribution networks and drainage systems

They are not necessarily designed to withstand temperatures above 60°C or significant quantities of chlorine. They can cause **corrosion or premature ageing of the distribution and drainage system**.

• High risk for the user

- During the treatment, the user is exposed to high risks:
- **3rd degree burns** in the case of a thermal shock.
 - **Poisoning** in the case of chemical shock treatment.

• Costly and difficult operation to undertake

Curative treatments are difficult to undertake fully at all points in the system (various deposits, dead-legs, heat loss, etc.). They require the water **supply to be out-of-service** and the mobilisation of **maintenance staff**.

To avoid these treatments it is important to act on four levels:

- **Avoid dead-legs and water stagnation.**
- Regularly **maintain** the system to prevent corrosion or scaling.
- **Produce and store hot water at a high temperature** that will prohibit bacterial proliferation.
- **Maintain the temperature** in the system with a circulating loop and mix the water as close as possible to the point-of-use.

The only **preventive treatments** that are effective in the long term are the ones recommended by the **UK Health and Safety Executive (HSE) technical guidance "HSG274 Part 2" in 2014**.

REGULATIONS

HSE guidance recommends the monitoring of Legionella levels where there is a high risk of contamination. The guidance recognises that the traditional method of controlling the risk of Legionella development is to produce and distribute higher water temperatures. Yet, this significantly increases the risk of scalding at the point-of-use.

(Source: Centre for Burns, St Joseph and St Luc Hospital, Lyon, France).

- **At 50°C:** burns in 7 seconds and 3rd degree burns in 100 seconds.
- **At 60°C:** 3rd degree burns in 3 seconds on average (5 seconds for an adult, 1-2 seconds for a child).

HSG274 Part 2 recommends the installation of thermostatic mixing valves where there is a high risk of scalding to users e.g. very young, very elderly, infirm, mentally disabled and physically disabled.

- Hot water should be distributed so that it reaches a temperature of 50°C (55°C in healthcare premises) within one minute at the outlets.
- Thermostatic mixing valves should be installed as close as possible to the point-of-use.

HSG 274 Part 2, 2014

HSE guidance for the control of Legionella bacteria in hot and cold water systems states that monitoring for Legionella should be carried out:

- when water is treated with biocides or when distribution temperatures are reduced from HSE guidelines.
- where water treatment regime control levels are not being consistently achieved.
- where there is a high-risk of contamination e.g. hospitals and care homes.
- where an outbreak of legionellosis has been identified.

A risk assessment is required to identify:

Monitoring frequency of installations for all points-of-use considered at-risk:

- **Sentinel points for temperature measurement and bacteriological testing:**
 - **Once a week** in healthcare facilities.
 - **Once a month** for all other facilities receiving public.

Bacterial analysis: once a year

DELABIE recommends two water assessments: one on the first draw-off, to detect Pseudomonas aeruginosa and one on the second to detect Legionella.

If the hot water systems haven't been used for several weeks, **samples for Legionella assessment** have to be taken just after the purge of the system and within two weeks before receiving the public.

Legionella monitoring levels

| | |
|-----------------------|-------------------------|
| Alert level | < 100 CFU/L |
| Remedial action level | > 100 up to 1,000 CFU/L |
| Curative action level | > 1,000 CFU/L |

CFU/L: Colony Forming Units per litre

The control of Legionella bacteria in hot and cold water systems

Guidance on compliance with the relevant parts of the Management of Health and Safety at Work Regulations 1999 in public premises.

(Source: UK Health and Safety Executive, HSG 274 Part 2, 2014).

It recommends:

- **Minimum temperatures to limit the risk of development of Legionella.**
 - **Maximum temperatures to limit the risk of scalding.**
 - **At the calorifier outlet the hot water temperature must constantly be above 60°C.**
 - **In storage equipment,** water must be maintained at a **minimum temperature of 60°C.**
 - **At every point in the distribution system,** hot water must be delivered to the outlet at **50°C** (55°C in healthcare facilities) within **one minute** of turning on the tap.
- The HSE advises that long pipe runs between TMVs and outlets should be avoided and should not exceed **2 metres in length.**

The maximum temperature of sanitary hot water at the point-of-use is set at:

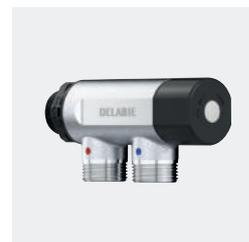
- 44°C for bath fill (46°C if assisted)
 - 41°C for showers
 - 41°C for washbasins,
- with special dispensation for catering applications. (Source: Health and Safety Executive information sheet 09/12; TMVA Code of Practice, 2000).



PREMIX SECURITY

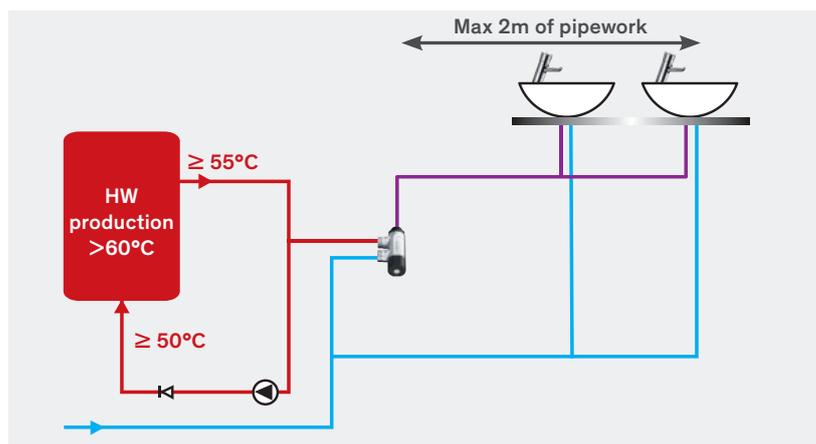


PREMIX COMFORT



PREMIX COMPACT

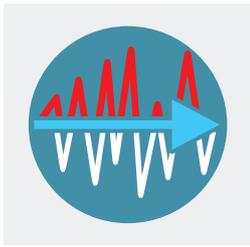
THERMOSTATIC MIXING VALVES



Pipes between centralised thermostatic mixing valves and the points-of-use should not be longer than 2 metres.

Capacity and length of pipework

| Material | Pipe dimension | Pipe length for a capacity of | |
|------------------|----------------|-------------------------------|---------|
| | | 3 litres | 1 litre |
| Copper | 15 × 1 | 22m | 7m |
| | 18 × 1 | 15m | 5m |
| | 22 × 1 | 9m | 3m |
| Galvanised steel | DN 15 | 15m | 5m |
| | DN 20 | 8m | 2m |
| PEX/PER plastic | 15 × 2.5 | 38m | 12m |
| | 18 × 2.5 | 22m | 7m |
| PR plastic | 20 × 1.9 | 14m | 4m |
| | 25 × 1.9 | 8m | 2m |



Temperature stability



Anti-scalding safety



Preventive and permanent solution against Legionella



GENERAL CHARACTERISTICS

Designed for public and commercial applications, PREMIX thermostatic mixing valves deliver a highly stable blend of mixed water at the desired temperature.

They enable simultaneous supply to one or more sanitary points-of-use (depending on the model chosen) for showers, basins, etc.

Fast to react, they constantly regulate the hot water temperature in the system.

Innovative, they benefit from PREMIX technology (automotive thermo-reactive cell) which has indisputable performance advantages over existing technologies (bi-metal, dual controls, etc.).

Comfort

PREMIX thermostatic mixing valves ensure a constant temperature regardless of variations in pressure or flow rate in the system: they respond immediately to any changes.

PREMIX anticipates all variations in temperature and corrects them for the user.

Anti-scalding safety

PREMIX thermostatic mixing valves include an automatic safety feature ensuring that the hot water supply shuts off if the cold water supply fails. They also provide temperature limitation thanks to an adjustable index ring.

PREMIX thus eliminates any risk of scalding.

Preventive and permanent solutions against Legionnaires' disease

The Health and Safety Executive's guidance HSG 274 Part 2 (2014) recommends maintaining the hot water temperature permanently above 50°C at all points in the system in order to prevent any risk of Legionella bacteria proliferation.

Water must be mixed as close as possible to points-of-use.

PREMIX contributes to preventing any risk of bacterial proliferation.

TECHNICAL ADVANTAGES

Reliability

The **automotive thermostatic cell** of the PREMIX is located in the heart of the mixing chamber, which enables it to **have superior sensitivity to any variations in pressure or flow rate in the system**. It optimises the regulation of both hot and cold water supplies.

Precise temperature control

PREMIX valves are supplied pre-calibrated and are **precise to the exact degree recommended for the flow range**. The chosen temperature can be locked by the installer.

Minimal pressure loss

The PREMIX mechanism (without hydraulic relays) enables direct circulation of water between inlets and outlets. This **reduces the pressure loss** and optimises flow rate capacity of the system (ensuring excellent performance at low, medium or high pressures).

Minimal servicing

The internal working is designed to be as simple as possible with few moving parts. The PREMIX is manufactured with **scale and corrosion resistant mechanisms**.

It is recommended that preventive checks be carried out on the calibration and anti-scalding safety at least twice a year.

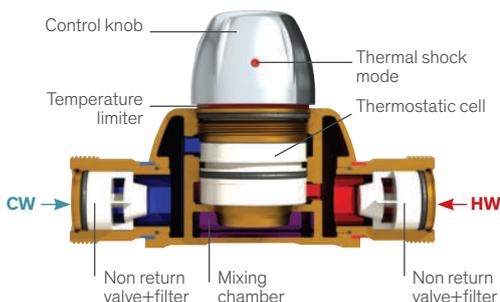
Quick and low cost maintenance

Cartridges are simple and **can be changed from the front without having to remove the whole mixing valve**. Filters and non-return valves are accessible from the exterior without having to remove the mechanism.

Comprehensive range

DELABIE offers a full range of products, from group thermostatic mixing valves (COMFORT and SECURITY models), to smaller sizes designed for fewer points-of-use (COMPACT and NANO models). **There are PREMIX solutions for all types of layouts.**

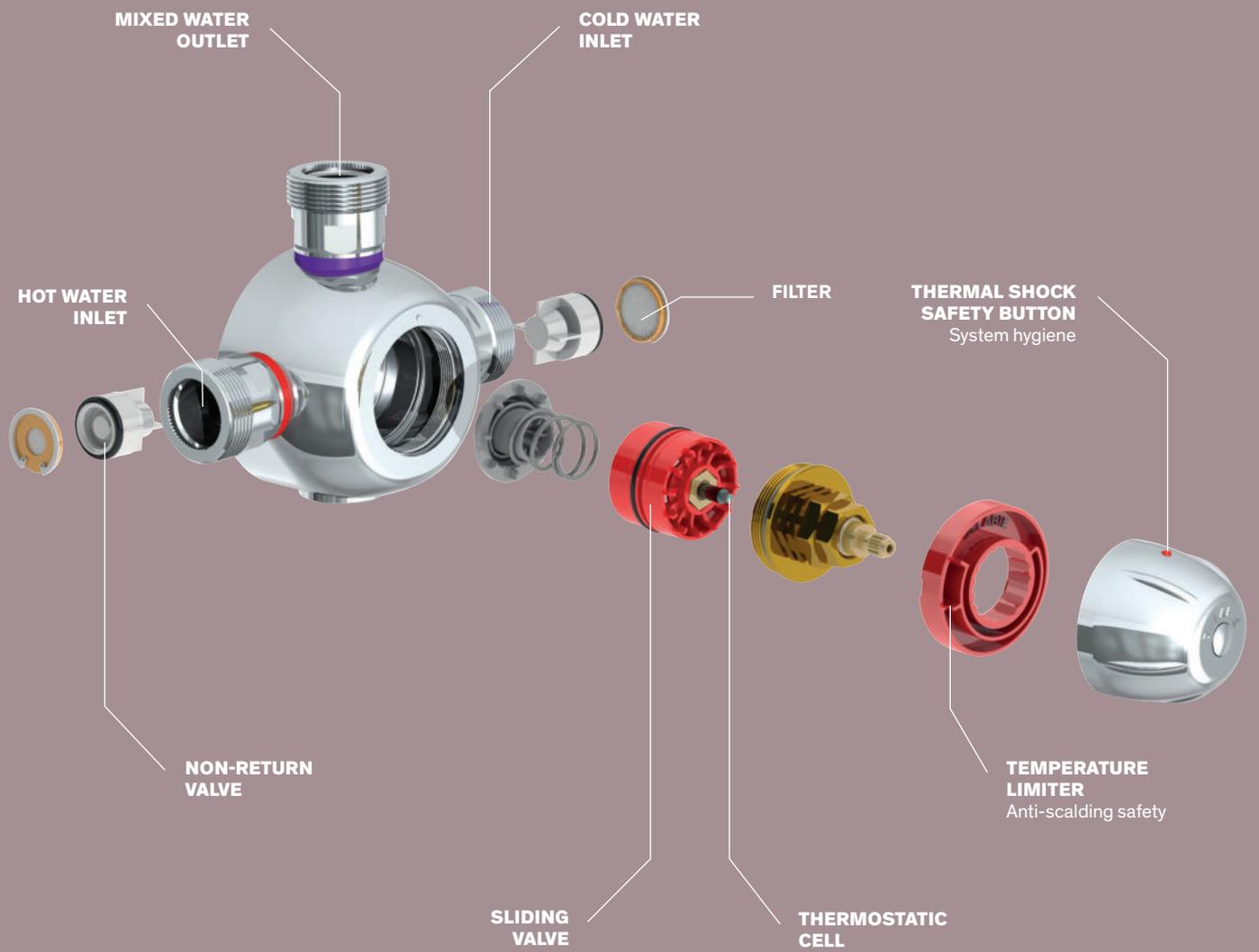
30-year warranty against any manufacturing defects. **50 years reparability.**



OPERATION

The thermostatic cell in the heart of the mixing chamber reacts rapidly to every temperature variation. Constantly in motion, it expands and contracts with changes in the flow rate and temperature to control a sliding valve that opens and closes the hot and cold water inlets.

- As the mixed water temperature rises, the thermostatic cell expands and pushes the sliding valve down. This immediately restricts the passage of hot water and opens the cold inlet.
- As the mixed water temperature falls, the thermostatic cell contracts and the sliding valve is pushed upwards by the balancing spring. It immediately restricts the passage of cold water and opens the hot inlet.
- If there is a cold water supply failure, the thermostatic cell expands instantly and the sliding valve closes the hot water inlet. The hot water flow is stopped within 3 seconds preventing the user from being scalded.



Normal or low frequency of simultaneous use:

The following formula is recommended as a means of determining the simultaneity coefficient:

$$\frac{0.8}{\sqrt{x-1}}$$

(x represents the number of points-of-use)

High-frequency of simultaneous use (public places):

DELABIE recommends using the following formula to determine the simultaneity coefficient:

$$\frac{2}{\sqrt{x-1}}$$

(x represents the number of points-of-use)

Exceptionally high-frequency:

Use of coefficient 1 for up to 15 points-of-use.

The choice of PREMIX thermostatic mixing valve depends upon the installation type, the frequency of simultaneous use (coefficient), the number of points-of-use, and the dynamic water pressure at the PREMIX inlets. To select the appropriate PREMIX for an installation, it is necessary to calculate the design corrected flow rate.

1. DETERMINING THE COEFFICIENT OF SIMULTANEOUS USE

It depends on type of site (public and commercial places) and number of points-of-use to supply.

| Number of taps and valves to be connected | Simultaneity coefficient | |
|-------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------|
| | High simultaneity frequency | Normal/low simultaneity frequency |
| | Sports stadia, schools, boarding schools, camp sites, etc. | Hospitals, hotels, offices, apartment blocks, social housing, etc. |
| 1 - 5 | 1 | 1 |
| 5 - 10 | 1 | 0.5 |
| 10 - 15 | 0.6 | 0.3 |
| 15 - 25 | 0.5 | 0.3 |
| 25 - 40 | 0.4 | 0.2 |
| 40 - 60 | 0.3 | 0.15 |
| More than 60 | 0.2 | 0.1 |

2. CALCULATING GROSS FLOW RATE

The expected flow rate depends on operating flow rate for each type of outlet (refer to manufacturer's data sheets for tap and valve flow rates).

| | Flow rate | Number of fittings | Total gross flow rate |
|---------------------------------------------|---------------|--------------------|-----------------------|
| DELABIE time flow basins | 3 lpm | x ... | = ... |
| DELABIE time flow showers | 6 lpm | x ... | = ... |
| Basin, sink, shower, bidet | 12 lpm | x ... | = ... |
| Bath | 20 lpm | x ... | = ... |
| TOTAL GROSS FLOW RATE for all points-of-use | | | |

3. CALCULATING THE DESIGN FLOW RATE

To supply installation branch.

$$\text{Total gross flow rate} \times \text{Simultaneity coefficient} = \text{Design corrected flow rate for mixed water}$$

4. SIZING THE APPROPRIATE PREMIX

The choice depends on the design corrected flow rate and pressure loss.

1. Select the PREMIX size depending on design corrected flow rate for mixed water in the system.
2. Check the PREMIX pressure loss.
Having established dynamic pressures at the thermostatic mixing valve inlet and the required residual pressure for supplying the installation, select the model based on the associated pressure drop.

Example:

For a 50 lpm design flow rate:

The PREMIX ¾" records a 2.4 bar pressure loss as opposed to 0.9 bar for the PREMIX 1".

NB: When supply pressure is 3 bar (recommended), pressure loss should not exceed 1 bar.

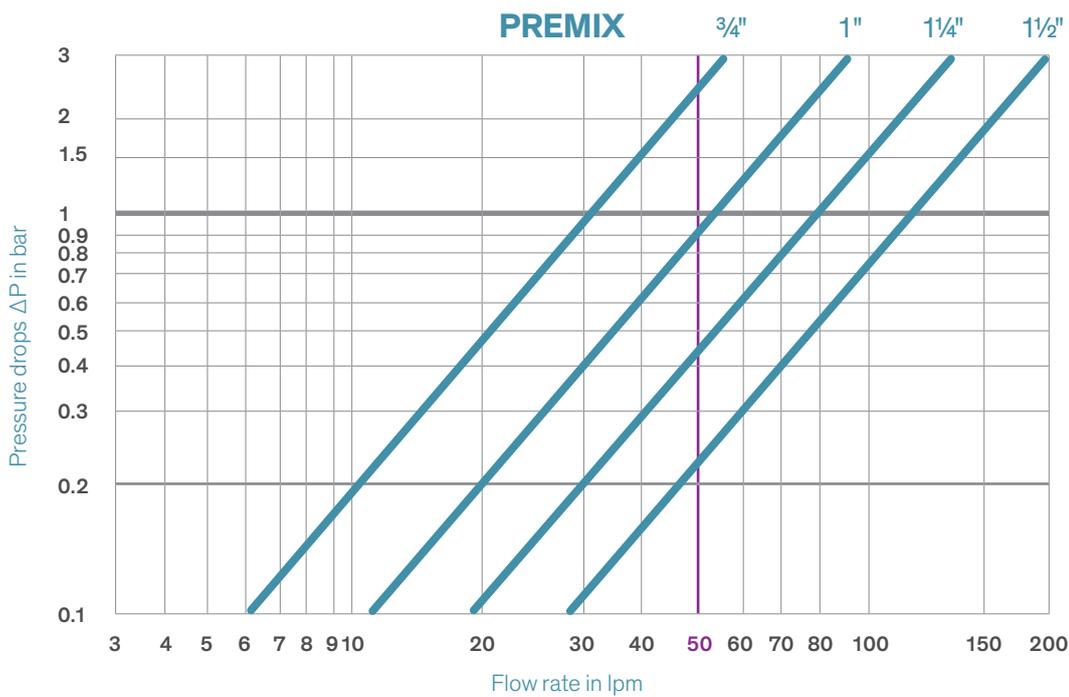


Chart of PRESSURE LOSSES:

Dynamic pressure drop when operated under varying flow rates.

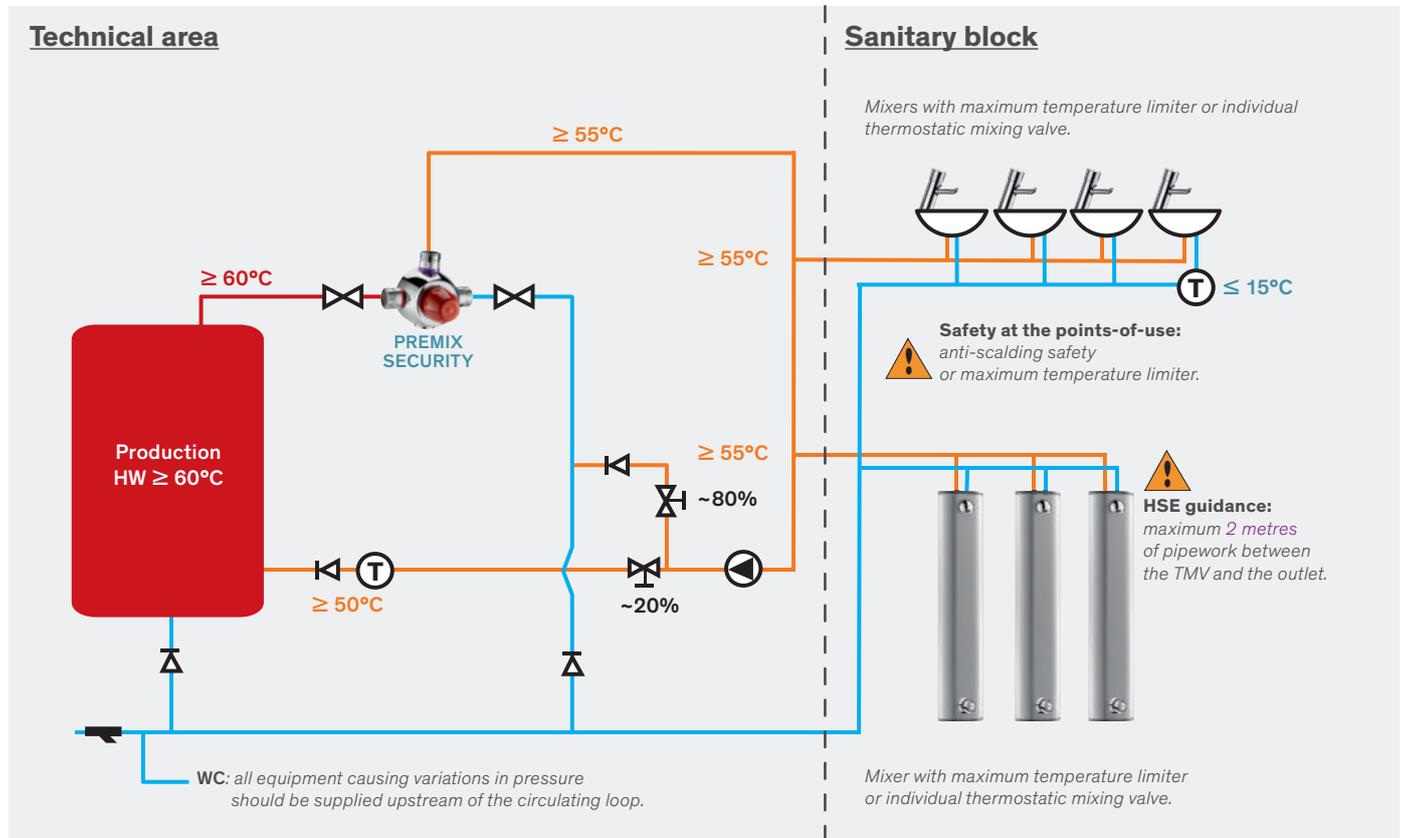
REMINDER: Check pipework pressure losses (e.g. different floor levels, extended supply pipes, etc.). See chapter "Sanitary technical data" (page 260).

Due to the diversity of fittings possible, this information is not contractual and is for guidance only. The designer remains responsible for determining the best simultaneity coefficient and TMV model.

Circulating loop with PREMIX SECURITY and points-of-use WITH maximum temperature limiter

PREMIX SECURITY enables the hot water circulating loop to be maintained at a constant temperature $\geq 50^{\circ}\text{C}$ (recommended at 55°C), which reduces heat loss, and prolongs the life of the system.

- Points-of-use supplied at 50°C or more equate to an increased risk of scalding.
 - The HSE guidance HSG 274 Part 2 (2014) restricts the maximum temperature at the hot water outlet to $< 41^{\circ}\text{C}$.
- To guarantee safety, all DELABIE is mixers (thermostatic, electronic or time flow) which are used at the point-of-use are fitted with a maximum temperature limiter, which can be adjusted by the installer.



GUIDANCE FOR A QUICK SELECTION OF PREMIX WITH DELABIE WATER CONTROLS

| PREMIX | Flow rate at 3 bar pressure loss | Recommended operating range | High simultaneous use | | Normal simultaneous use | |
|--------|----------------------------------|-----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|
| | | | Number of taps and valves | Simultaneity coefficient | Number of taps and valves | Simultaneity coefficient |
| 3/4" | 55 lpm | 10 - 45 | Up to 6 | 1 | Up to 6 | 1 |
| 1" | 90 lpm | 20 - 70 | Up to 12 | 1 | Up to 16 | 0.3 |
| 1 1/4" | 140 lpm | 30 - 110 | Up to 25 | 0.5 - 0.7 | Up to 50 | 0.15 |
| 1 1/2" | 190 lpm | 40 - 150 | Up to 40 | 0.4 - 0.6 | Up to 100 | 0.1 |

High simultaneous use: sports stadia, swimming pools, schools, boarding schools, campsites, etc. (DELABIE basin taps 3 lpm; DELABIE showers 6 lpm; average use 5 lpm).

Normal simultaneous use: hospitals, hotels, offices, apartment blocks, social housing, etc. (DELABIE basin taps 3 lpm; DELABIE showers 6 lpm; sinks 12 lpm; baths 20 lpm; average use 12 lpm).



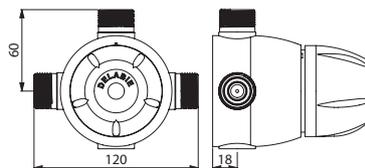
- **Automatic anti-scalding safety:** automatic shut-off if cold water fails
- **Comfort:** temperature stability regardless of variations in pressure, flow rate or temperature in the system
- **Solution against Legionnaires' disease:** complies with the UK HSE technical guidance "HSG274 Part 2" in 2014
- **Installation:** at the hot water system outlet (HW)

PREMIX SECURITY

Group thermostatic mixing valve for circulating loops 44 - 58°C



- **Anti-scalding safety.**
- **Regulates temperature variations.**
- **Filters and non-return valves can be accessed from the outside without removing the mechanism.**
- **Thermal shocks are possible.**
- **Interchangeable cartridge with thermostatic cell.**
- High-resistance chrome-plated brass body.
- Maximum hot water temperature: 85°C.
- Differential hot water / mixed water: 15°C minimum.
- Pressure differences at the inlets: 1 bar maximum (0.5 bar recommended).
- Minimum pressure / maximum: 1 - 10 bar (1 - 5 bar recommended).
- Left hand side hot water inlet (red ring) and right hand side cold water inlet (blue ring).
- Mixed water outlet at the top (purple ring).
- For bottom outlet: unscrew / place blanking cap at the top and outlet connector at the bottom.
- **Energy savings:** heat loss minimised (comparison between a circulating loop at 55°C and a non-circulating system at 70°C).
- **Safety and increased system lifespan**
(Hot water at >65°C leads to premature ageing within the system).
- **Maximum temperature limiter, can be adjusted by the installer.**
- **Reduced risk of scalding by reducing the temperature at the production outlet.**
- 30-year warranty.

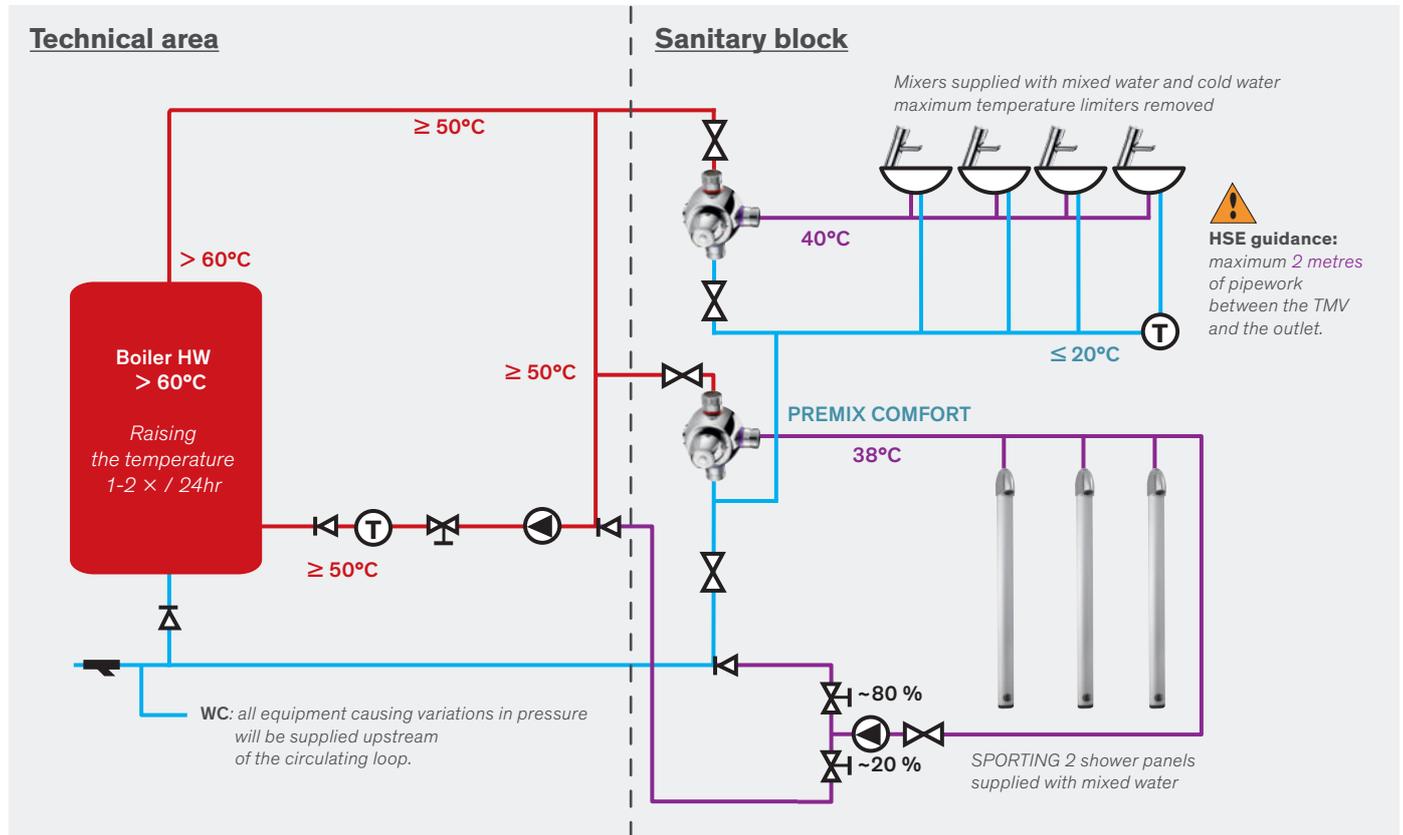


731052

| Description | Dimensions | | | Reference |
|-----------------------------------------|------------|----|----|---------------|
| | W | H | D | |
| PREMIX SECURITY 55, M $\frac{3}{4}$ " | 120 | 60 | 18 | 731052 |
| PREMIX SECURITY 90, M1" | 160 | 80 | 23 | 731053 |
| PREMIX SECURITY 140, M1 $\frac{1}{4}$ " | 180 | 90 | 26 | 731054 |
| PREMIX SECURITY 190, M1 $\frac{1}{2}$ " | 196 | 98 | 26 | 731055 |

Circulating loop PREMIX COMFORT and points-of-use WITHOUT maximum temperature limiter

- PREMIX COMFORT reduces the risk of scalding by limiting the temperature at the points-of-use: mixed water supply < 41°C.
- The points-of-use do not have a temperature limiter.
 - The HSE advises that long pipe runs between TMVs and outlets should be avoided and should not exceed 2 metres in length.



GUIDANCE FOR A QUICK SELECTION OF PREMIX WITH DELABIE WATER CONTROLS

| PREMIX | Flow rate at 3 bar pressure loss | Recommended operating range | High simultaneous use | | Normal simultaneous use | |
|--------|----------------------------------|-----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|
| | | | Number of taps and valves | Simultaneity coefficient | Number of taps and valves | Simultaneity coefficient |
| 3/4" | 55 lpm | 10 - 45 | Up to 6 | 1 | Up to 6 | 1 |
| 1" | 90 lpm | 20 - 70 | Up to 12 | 1 | Up to 16 | 0.3 |
| 1 1/4" | 140 lpm | 30 - 110 | Up to 25 | 0.5 - 0.7 | Up to 50 | 0.15 |
| 1 1/2" | 190 lpm | 40 - 150 | Up to 40 | 0.4 - 0.6 | Up to 100 | 0.1 |

High simultaneous use: sports stadia, swimming pools, schools, boarding schools, campsites, etc.
(DELABIE basin taps 3 lpm; DELABIE showers 6 lpm; average use 5 lpm).

Normal simultaneous use: hospitals, hotels, offices, apartment blocks, social housing, etc.
(DELABIE basin taps 3 lpm; DELABIE showers 6 lpm; sinks 12 lpm; baths 20 lpm; average use 12 lpm).



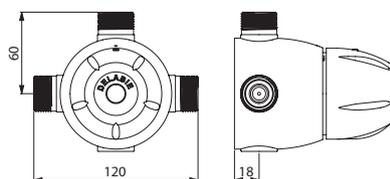
- **Automatic anti-scalding safety:** automatic shut-off if cold water fails
- **Comfort:** temperature stability regardless of variations in pressure or flow rate in the system
- **Solution against Legionnaires' disease:** complies with the UK HSE technical guidance "HSG274 Part 2" in 2014
- **Installation:** upstream of point-of-use

PREMIX COMFORT

Group thermostatic mixing valve for mixed water 32 - 42°C



- **Anti-scalding safety.**
- **Regulates temperature variations.**
- **Filters and non-return valves can be accessed from the outside without removing the mechanism.**
- **Thermal shock with no specific lever needed** (push-button on the control knob).
- **Interchangeable cartridge with automotive cell.**
- High-resistance chrome-plated brass body.
- Maximum hot water temperature: 85°C.
- Differential hot water / mixed water: 15°C minimum.
- Pressure differences at the inlets: 1 bar max. (0.5 bar recommended).
- Minimum pressure / maximum: 1 - 10 bar (1 - 5 bar recommended).
- Left hand side hot water inlet (red ring) and right hand side cold water inlet (blue ring).
- Mixed water outlet at the top (purple ring).
- For bottom outlet: unscrew / place blanking cap at the top and outlet connector at the bottom.
- **Maximum temperature limiter, can be adjusted by the installer.**
- **Reduced risk of scalding by reducing the temperature at the point-of-use.**
- Available in 2 sizes to replace the common existing models (standard exchange).
- 30-year warranty.



731002

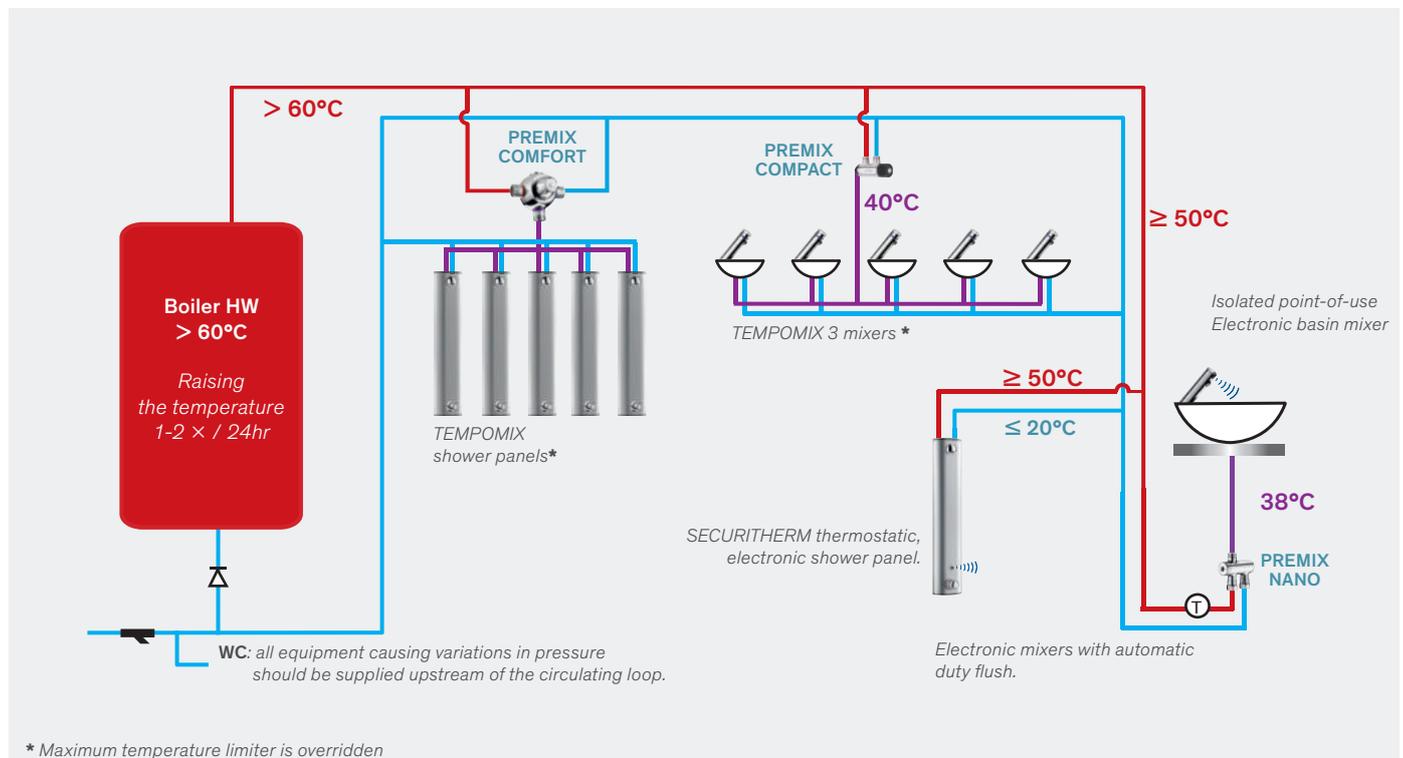
| Description | Dimensions | | | Reference |
|----------------------------------------|------------|-----|----|---------------|
| | W | H | D | |
| PREMIX COMFORT 55, M $\frac{3}{4}$ " | 120 | 60 | 18 | 731002 |
| PREMIX COMFORT 90, M1" | 160 | 80 | 23 | 731003 |
| PREMIX COMFORT 140, M1 $\frac{1}{2}$ " | 180 | 90 | 26 | 731004 |
| PREMIX COMFORT 190, M1 $\frac{1}{2}$ " | 195 | 98 | 26 | 731005 |
| PREMIX COMFORT T2, M $\frac{3}{4}$ " | 120 | 81 | 18 | 731200 |
| PREMIX COMFORT T3, M1" | 146 | 95 | 23 | 731300 |
| PREMIX COMFORT T4, M1 $\frac{1}{4}$ " | 180 | 107 | 26 | 731400 |
| PREMIX COMFORT T5, M1 $\frac{1}{2}$ " | 218 | 129 | 26 | 731500 |

No circulating loop, PREMIX COMFORT, COMPACT or NANO and duty flush system

In installations where there is no circulating loop, stagnating water at temperatures below 50°C can cause Legionella bacteria to develop. In older installations where a circulating loop is not possible, we recommend the solution below to combat bacterial proliferation.

Solutions:

- PREMIX COMFORT, COMPACT or NANO to lower the temperature of the water at the points-of-use to a maximum of 41°C (HSG 274 Part 2, 2014).
- DELABIE electronic mixers, taps or valves with automatic duty flush can be installed at the extreme end of each distribution arm (as a minimum) to prevent any bacterial development: automatic duty flush for ~60 seconds every 24 hours after the last use.



PREMIX COMFORT

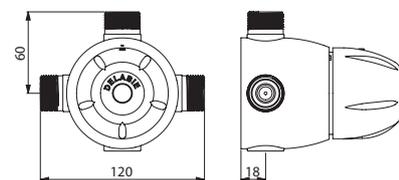
Group thermostatic mixing valve for mixed water supply 32 - 42°C



- **Anti-scalding safety.**
- **Regulates temperature variations.**
- Filters and non-return valves can be accessed from the outside without removing the mechanism.
- **Thermal shock with no specific lever needed** (push-button on the control knob).
- Interchangeable cartridge with automotive cell.
- **Maximum temperature limiter, can be adjusted by the installer.**
- **Reduced risk of scalding by reducing the temperature at the point-of-use.**
- 30-year warranty.

For more information and models of PREMIX COMFORT see page 153.

| Description | Dimensions | | | Reference |
|-----------------------------|------------|----|----|---------------|
| | W | H | D | |
| PREMIX COMFORT 55, M3/4" | 120 | 60 | 18 | 731002 |
| PREMIX COMFORT 90, M1" | 160 | 80 | 23 | 731003 |
| PREMIX COMFORT 140, M1 1/4" | 180 | 90 | 26 | 731004 |
| PREMIX COMFORT 190, M1 1/2" | 195 | 98 | 26 | 731005 |



731002



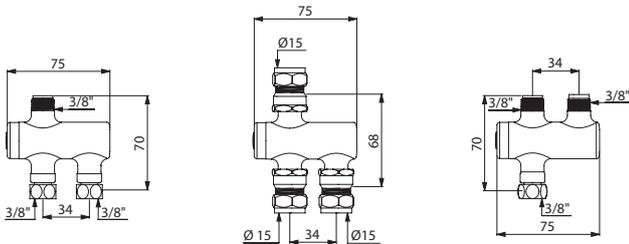
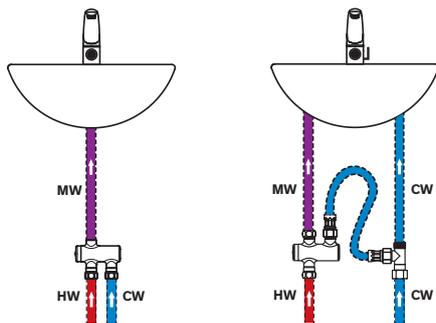
- **Anti-scalding failsafe:** automatic shut-off if cold water fails
- **Comfort:** regulates temperature variations for a stable temperature at the point-of-use
- **Installation:** upstream of the taps and valves

PREMIX NANO

Thermostatic mixing valve with mixed water 34 - 60°C



- For 1 - 2 taps or 1 shower.
- **Anti-scalding failsafe:** automatic shut-off if cold or hot water supply fails.
- Temperature pre-set at 38°C, can be adjusted by the installer 34 - 60°C.
- Brass body.
- **Filters and non-return valves.**
- Recommended flow rate range: from 3 - 12 lpm.
- **Thermal shocks are possible.**
- 30-year warranty.



732016

732115

732216

PREMIX NANO (from 3 - 12 lpm)

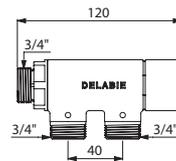
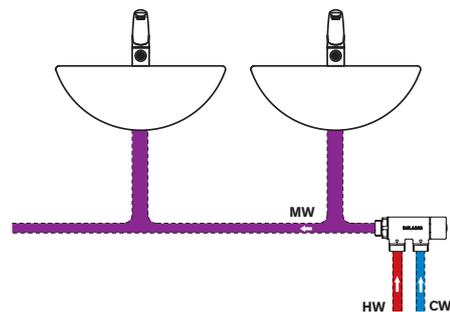
| | |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Nickel-plated body, inlets F ^{3/8} " and outlet M ^{3/8} " | 732012 |
| Polished chrome body, inlets F ^{3/8} " and outlet M ^{3/8} " | 732016 |
| Nickel-plated body M ^{1/2} ", Ø 15mm | 732115 |
| Nickel, F ^{1/2} " Ø 15mm | 732115MEC |
| Polished chrome body M ^{1/2} ", Ø 15mm | 732116 |
| Polished chrome body, HW inlet F ^{3/8} ", CW inlet M ^{3/8} ", MW outlet M ^{3/8} " | 732216 |
| Polished chrome body, HW inlet F ^{3/8} ", CW inlet M ^{3/8} ", MW outlet M ^{3/8} " + connection kit 3/8" | 732230 |

PREMIX COMPACT

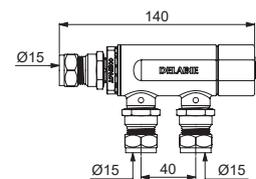
Thermostatic mixing valve with mixed water 30 - 60°C



- For 1 - 6 sanitary points-of-use (depending on the flow rate).
- **Anti-scalding safety:** automatic shut-off if cold or hot water fails.
- Temperature pre-set at 38°C, can be adjusted by the installer 30 - 60°C.
- Brass body.
- **Filters and non-return valves.**
- Recommended flow rate range: from 5 - 18 lpm.
- **Thermal shocks are possible.**
- 30-year warranty.



733020



733115

PREMIX COMPACT

| | |
|---------------------------|---------------|
| M ^{1/2} " | 733015 |
| M ^{3/4} " | 733020 |
| M ^{1/2} " Ø 15mm | 733115 |
| M ^{3/4} " Ø 15mm | 733116 |

THERMOSTATIC MIXING VALVES



Urinals: Valves and frame systems

SOLUTIONS
FOR URINALS
159

ELECTRONIC
CONTROLS AND
FRAME SYSTEMS
161



TIME FLOW
CONTROLS
AND FRAME SYSTEMS
173



ADDITIONAL
FITTINGS AND
RECOMMENDATIONS
182





SPECIFICALLY DESIGNED FOR COMMERCIAL ENVIRONMENTS

Optimised space and time

Two urinals can easily replace one WC. This helps combat the problem of space in public and commercial facilities. As they are used standing up, the usage time for urinals is shorter, therefore the turnover of users is faster.

Resistant to intensive use and vandalism

DELABIE's controls are specifically designed to withstand intensive use and vandalism, both voluntary and involuntary.

The urinal valve bodies have been specifically designed and are fitted with **shock-resistant** mechanisms and sensors.

The **reinforced fixings** and **streamlined designs** prevent unwanted removal.

For areas that require tamperproof installations, there are recessed and cross wall versions which have mechanisms that cannot be accessed by the user.

Minimal servicing and simple to maintain

The **scale-resistant** solutions and the filters ensure minimal servicing.

Maintenance is easier. The **spare parts** are **standardised** to ensure quick and easy replacement by the maintenance staff.

Direct access to the components without having to remove the valve.

Easy to install

The urinal valves are available in the following models:

- **exposed**: visible water supply
- **recessed** in the wall
- **cross wall**: the mechanisms cannot be accessed by the user
- **on frame systems**: supplied pre-assembled, installation is quick and simple.

DESIGN

Commercial environments and design

DELABIE's products, known for their endurance and reliability, have a **timeless design**. The diversity of the product range fits in perfectly with any commercial installation.

In an office building or a shopping centre, it is paramount that the product design fits in with its surroundings.

In prison, products must be resistant and secure: concealed mechanisms, streamlined design, etc.

Design without constraints

Aesthetic products are subject to less vandalism as they are better respected. The **smooth shape** of the urinal valves reduces the build-up of dirt and facilitates cleaning.

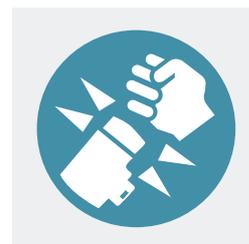
Easy but secure access to the control mechanisms ensures easy maintenance.

Technical characteristics

| | |
|---------------------------------------|------------------------------------------------------------------------------|
| Operating pressure | 1 - 5 bar, 3 bar recommended |
| Electrical supply* | 230V / 50 Hz class II (without earth connection) |
| Electronic unit* | Independent or integrated |
| 6V Lithium battery* | CR123 standard battery Average lifespan ~350,000 cycles or 3 - 6 years |
| Duty Flush programme can be adjusted* | 12 or 24h after last use (or OFF) |
| CE | Complies with European Directives CEM 2014/30/UE and BT 2014/35/UE |
| Time flow | ~3 or 7 seconds |

* Depending on model

30-year warranty against any manufacturing defects.
50 years repairability.



Vandal-resistant



Design

WATERLESS URINALS



Water saving?

"Waterless" urinals have to be rinsed every 2 hours to avoid unpleasant odours. The reality is that they consume 18 to 36 litres of water per day (6 x 3L). Therefore, maintenance staff need to be available.

Ecological?

Occlusive liquid cartridges and sealing fluid bottles create waste and have an unknown impact on the environment.

Economical?

The purchase price of a waterless urinal is high. Running costs are also high (liquids and servicing products). Regular changes of consumables involve substantial manpower.

Hygienic?

Waterless urinals do not rinse the urinal bowl or the pipework. As a result, bacteria stay in the bowl and develop continuously after each use. The build-up of urine can also cause blockages in the pipework.



THE ADVANTAGES OF ELECTRONIC URINAL VALVES

GUARANTEED HYGIENE

Automatic and systematic flush

The urinal is cleaned automatically without any need for contact when the user leaves. **No manual contact prevents the spread of germs by hand.**

Hygienic duty flush

When a urinal is not used regularly, water stagnates in the pipework and bacteria develop.

Electronic urinals automatically activate every 24 hours after the last use in order to circulate the water in the system.

This duty flush also enables the renewal of the water in the trap: a natural barrier preventing bad odours rising.

Reduced-stagnation solenoid valve

Traditionally, solenoid valves operate with a membrane system that always carries a certain volume of stagnant water.

DELABIE has developed a system without a membrane:

100% of the water held in the valve is, therefore, renewed with each use.

60% WATER AND ENERGY SAVINGS

A smaller rinsing area

Due to the smaller bowl size, a urinal uses up to **6 times less water than a WC pan.**

The right rinse

In order to find **the ideal balance between effectiveness and savings**, the water volume supplied must be adjusted to the size of the urinal.

This setting is adjustable on every model and enables **water savings of up to 60%.**

Demonstrated efficiency

In order to properly clean a urinal the bowl must be rinsed and the water in the trap renewed.

With a minimum flow rate of 0.15 L/sec. for 3 seconds, sufficient water is used to clean the urinal.

This consumption can even be optimised thanks to models with a **high-frequency mode** (TEMPOMATIC 4).

Energy savings

Infrared active pulse technology used on electronic controls is a **low-power consumption solution.**

The battery-operated electronic models have an average lifespan of **350,000 cycles** (i.e. 3 to 6 years) depending on the frequency of use. The Lithium batteries are widely available, affordable and recyclable.

HIGH-FREQUENCY MODE

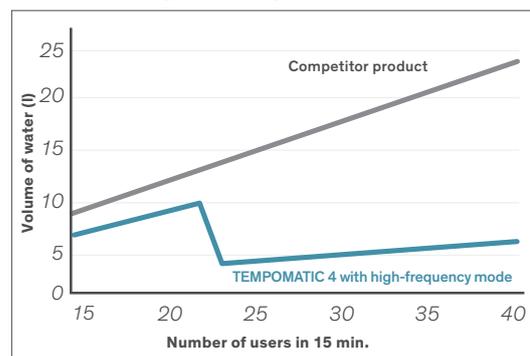
An intelligent and adaptable solution

DELABIE has developed an "intelligent" urinal valve: able to detect high-frequency periods and **to adapt its rinse** accordingly. These high-use periods often occur during intermissions at concert halls or theatres, half-time at stadiums, break time at schools, etc.

During **peak periods**, only the bowl is rinsed between two users, reducing the water volume.

At the end of the busy period, a complementary rinse takes place to rinse the urinal completely and renew the water in the trap.

Water consumption comparison



The TEMPOMATIC 4 offers three rinsing modes according to the type of urinal. It also includes a stopcock and a flow rate adjuster.

Water consumption optimisation according to urinal type

| | Short rinse | Additional rinse |
|----------------------------------------------|-------------|------------------|
| Programme 1 (Standard urinal) | 2 seconds | 2 seconds |
| Programme 2 (Siphon urinal) | 2 seconds | 4 seconds |
| Programme 3 (Siphon action urinal) | 3 seconds | 8 seconds |



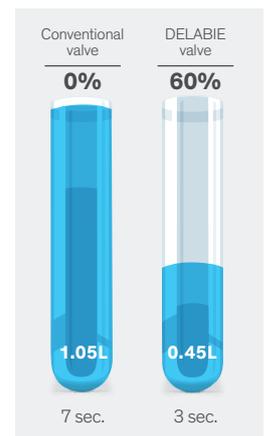
Hygiene and controlling bacterial proliferation



Reduced-stagnation solenoid valve



Discover our water savings video



Water savings per use





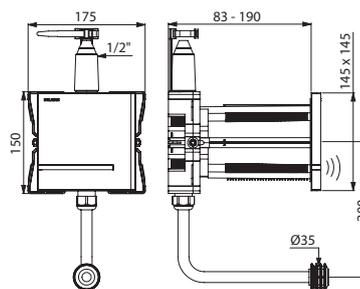
- **Water savings:** high-frequency mode, 3 available programmes
- **Hygiene:** systematic individual rinsing with no manual contact, hygienic duty flush, reduced-stagnation solenoid valve
- **Easy to install:** modular and adjustable waterproof housing (for walls and finishes)
- **Easy to replace the batteries:** after 3 - 6 years, without removing the urinal valve or shutting off the water

TEMPOMATIC 4

Recessed electronic urinal valve



- **Battery-operated with CR123 6V Lithium batteries** or **230/6V mains supply** (cable and transformer supplied).
- **Control plate 145 X 145mm with integrated electronics.**
- **Waterproof recessing housing:**
 - Collar with waterproof seal.
 - Hydraulic connection from the outside and maintenance from the front.
 - Adjusts to all types of installation (rails, solid walls, panels).
 - Compatible with wall finishes 10 - 120mm (while maintaining the minimum recessing depth of 83mm).
 - Suitable for standard or "pipe-in-pipe" supply.
 - Stopcock and flow rate adjustment, filter and solenoid valve are all integrated and accessible from the front.
 - TEMPOMATIC 4 F 1/2" urinal valve is compatible with sea water, rain water and grey water.
 - Supplied in 2 kits: secure system flush without sensitive elements.
- Shock-resistant infrared presence detection sensor.
- **Detection delay is 10 seconds.**
- **3 programmes** (rinse volume can be set according to urinal type).
- **High-frequency mode** (exclusive to DELABIE):
 - Short rinse after each user.
 - Additional rinse at the end of the busy period.
- **Hygienic duty flush** every 24 hours (can be adjusted to 12 hours or OFF) after the last use: prevents vacuums.
- **Flow rate pre-set at 0.15 L/sec.** at 3 bar, can be adjusted.
- Connection with Ø 35mm connection washer (for standard urinals) or 1/2" brass connection (for urinals supplied by flexible).
- For use with neck tube ref. 752430 or 757430.
- Suitable for people with reduced mobility.
- 30-year warranty.

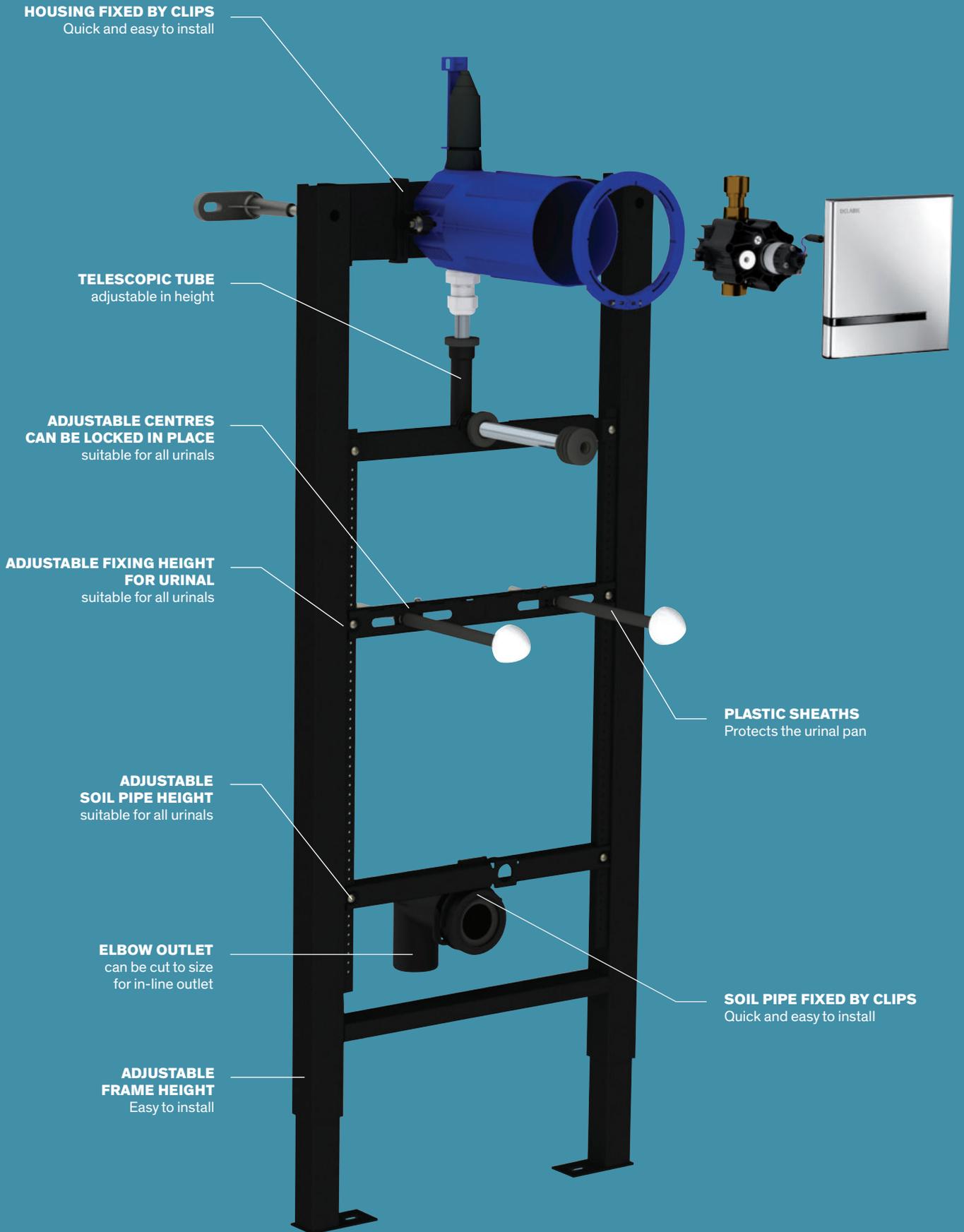


430PBOX + 430016 + 752430

TEMPOMATIC 4 recessed urinal valve in a waterproof housing

| | |
|---------------------------------------------------------------|-----------------------------|
| Bright polished finish stainless steel 6V battery-operated | 430PBOX + 430016 |
| Bright polished finish stainless steel 230V mains supply | 430SBOX + 430010 |
| Satin finish stainless steel 6V battery-operated | 430PBOX + 430006 |
| Satin finish stainless steel 230V mains supply | 430SBOX + 430000 |
| Black tempered glass finish 6V battery-operated | 430PBOX + 430036 |
| Black tempered glass finish 230V mains supply | 430SBOX + 430030 |
| Ø 35mm neck tube supply for urinals | 752430 |
| Neck tube supply for urinals with flexible 1/2" | 757430 |







- **Specifically designed for public and commercial places:** space saving, easy to clean, withstands intensive use
- **Easy to install:** frame system delivered pre-mounted, clip into place assembly
- **Vandal-resistant:** install behind a solid partition wall, concealed fixings
- **Hygiene:** systematic individual rinsing without manual contact, hygienic duty flush

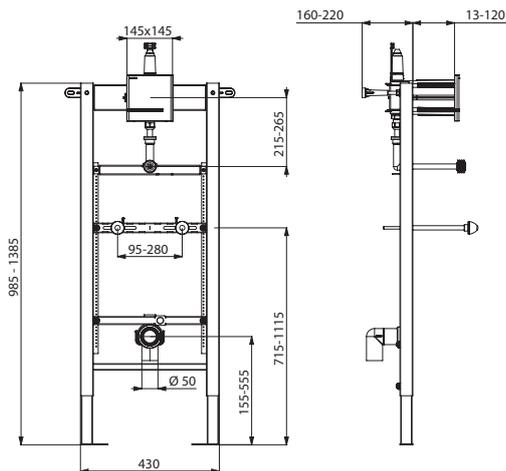
TEMPOFIX 3 with TEMPOMATIC 4
Frame system with electronic urinal valve



- Black powder-coated steel frame for wall-mounted installation.
- Fixes to floor and load-bearing walls, anchoring bolts supplied.
- Adjustable bracket 95 - 280mm.
- Frame height can be adjusted from 0 - 200mm.
- Waterproof recessing housing.
- Ø 50mm soil pipe with waterproof seal.
- Delivered pre-mounted.
- **Compatible with solid wall finishes from 13 - 120mm.**

Fitted with TEMPOMATIC 4 F½" electronic valve:

- Battery-operated with CR123 6V Lithium batteries or 230/6V mains supply (cable and transformer supplied).
- Control plate 145 × 145mm with integrated electronics.
- Shock-resistant infrared presence detection sensor.
- Detection delay is 10 seconds.
- **3 programmes** (rinse volume can be set according to urinal type).
- **High-frequency mode** (exclusive to DELABIE).
- **Hygienic duty flush** every 24 hours (can be adjusted to 12 hours or OFF) after last use: prevents vacuums.
- **Flow rate pre-set at 0.15 L/sec.** at 3 bar, can be adjusted.
- Connection with Ø 35mm connection washer (for standard urinals) or ½" brass connection (for urinals supplied by flexible).
- Suitable for people with reduced mobility.
- 30-year warranty.



543006 + 430016

TEMPOFIX 3 with TEMPOMATIC 4 urinal valve

6V battery-operated models

| | |
|----------------------------------------------------------------|-----------------------------|
| Bright polished finish stainless steel - urinal Ø 35mm | 543006 + 430016 |
| Bright polished finish stainless steel urinal with flexible ½" | 543006D + 430016 |
| Satin finish stainless steel - urinal Ø 35mm | 543006 + 430006 |
| Satin finish stainless steel - urinal with flexible ½" | 543006D + 430006 |
| Black tempered glass finish urinal Ø 35mm | 543006 + 430036 |
| Black tempered glass finish urinal with flexible ½" | 543006D + 430036 |

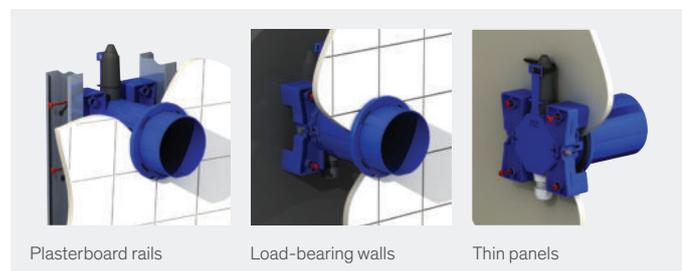
230/6V mains supply models

| | |
|----------------------------------------------------------------|-----------------------------|
| Bright polished finish stainless steel - urinal Ø 35mm | 543000 + 430010 |
| Bright polished finish stainless steel urinal with flexible ½" | 543000D + 430010 |
| Satin finish stainless steel - urinal Ø 35mm | 543000 + 430000 |
| Satin finish stainless steel - urinal with flexible ½" | 543000D + 430000 |
| Black tempered glass finish urinal Ø 35mm | 543000 + 430030 |
| Black tempered glass finish urinal with flexible ½" | 543000D + 430030 |

TEMPOMATIC 4 RECESSED: 100% WATERPROOF RECESSED HOUSING, MODULAR AND ADAPTABLE

Modular

Attaches via the sides, front or back, DELABIE's recessed housing can be used on **plasterboard rails**, on **load-bearing walls** or even **thin panels**, the installation is therefore modular, adapting to the type of project.



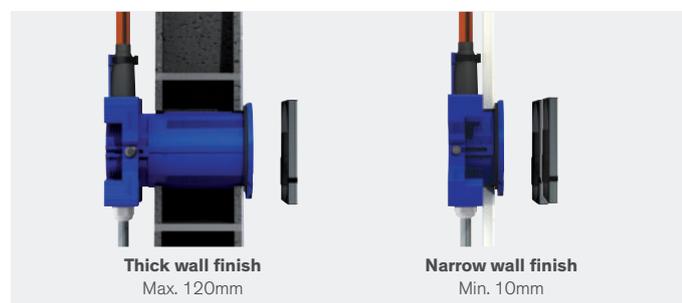
Plasterboard rails

Load-bearing walls

Thin panels

Adaptable

The collar can be positioned to allow the housing to be cut to size lengthwise depending on the wall thickness whilst still guaranteeing complete waterproofing. **Thin or thick, the housing adapts to all the requirements of walls from 10 to 120mm.**



Thick wall finish
Max. 120mm

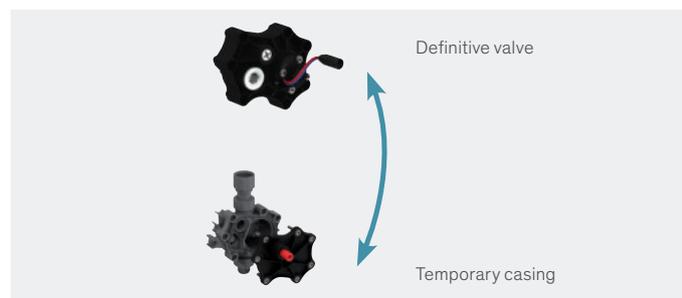
Narrow wall finish
Min. 10mm

Quick and easy to install

The TEMPOMATIC 4 can be connected to a standard "pipe-in-pipe" supply.

The hydraulic connection is made from the outside of the housing.

During the installation, the solenoid valve, filter and stopcock are replaced by a temporary casing to facilitate and **ensure a safe system flush**, without damaging the technical elements.



Definitive valve

Temporary casing

100% waterproof

Standard housings on the market are designed to be cut to size flush to the wall, which increases the risk of leaks between the wall and the collar.

DELABIE's recessed housing is equipped with a collar with an **integrated seal**, that clips onto the housing once the wall finish is in place (patented system). **It is completely waterproof without silicone.** Any condensation is evacuated via the plate. **The wall stays intact throughout.**



Collar with integrated waterproof seal

Minimal servicing and simple to maintain

Maintenance is carried out from the front by simply removing the control plate.

The technical elements are accessible and spare parts come **pre-assembled**. An **LED** indicates when the **batteries need to be replaced**. Integrated in the plate, they can be replaced **without shutting off the water or removing the valve**.

The TEMPOMATIC 4 is suitable for grey water, rain water and sea water.

Making protection from frost and in-depth maintenance easier, **the valve can be disconnected and removed from the inside**, without removing the housing.

Water savings

Thanks to its **optimised flow rate and time flow**, the TEMPOMATIC 4 rinse provides just the necessary flush volume and, therefore, the best compromise between water consumption and efficacy. It also features the **high-frequency mode**.

For more information see page 161.

Hygiene

The TEMPOMATIC 4 recessed urinal flush rinses automatically after each user leaves. **No manual contact** prevents the spread of germs by hand. The **hygienic duty flush** prevents bacterial proliferation and the problem of vacuums.

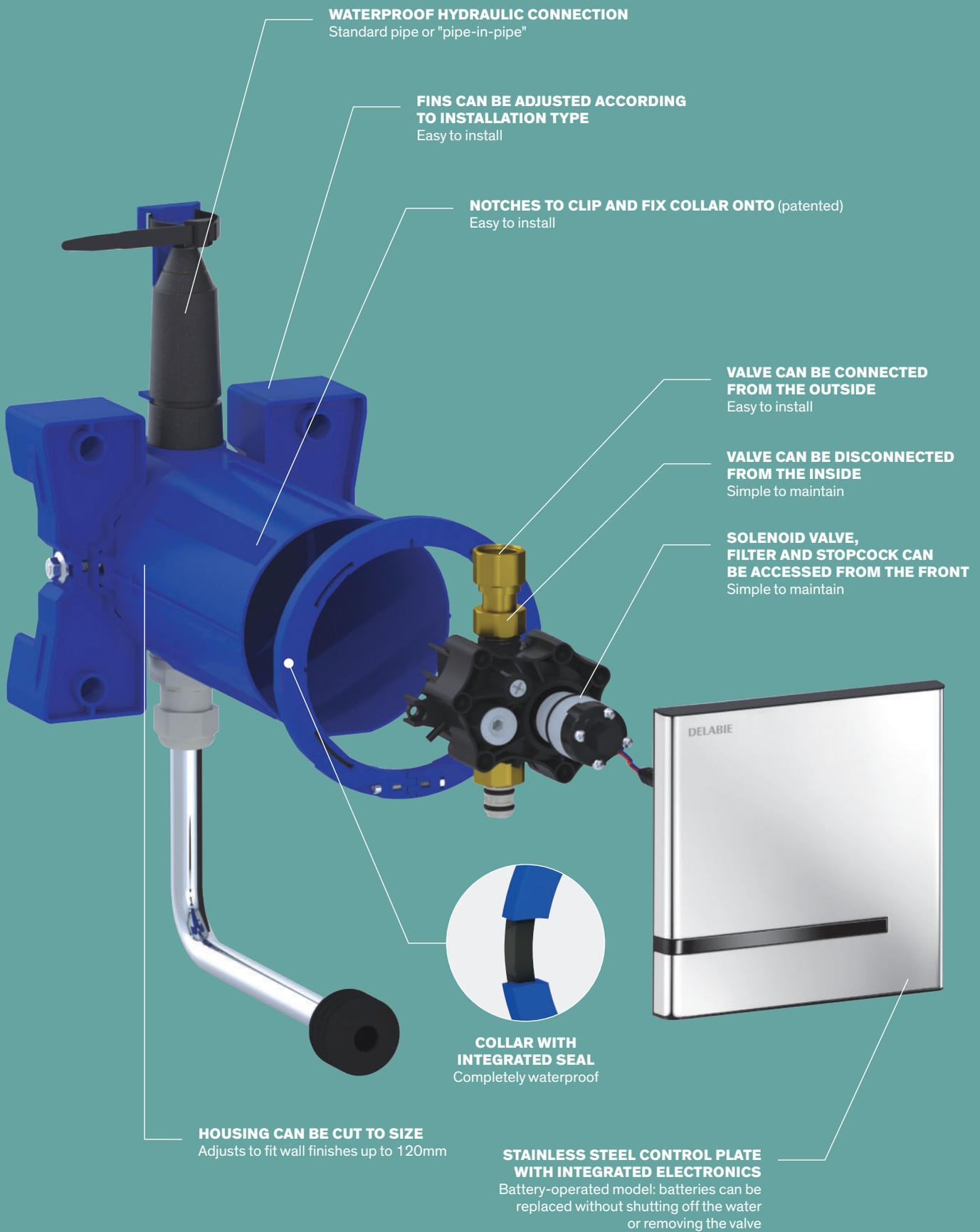
The TEMPOMATIC 4 is supplied with a **reduced-stagnation solenoid valve**. *For more information see page 161.*

Design

The TEMPOMATIC 4 control plate has a **timeless design**, available in bright polished, satin or black glass.

Compact and discreet, it fits perfectly in any type of public and commercial building. Its smooth surface limits the build-up of dirt and facilitates cleaning.

This new concept combines **design and functionality**: the electronics are integrated directly in the wall plate.



WATERPROOF HYDRAULIC CONNECTION
Standard pipe or "pipe-in-pipe"

FINS CAN BE ADJUSTED ACCORDING TO INSTALLATION TYPE
Easy to install

NOTCHES TO CLIP AND FIX COLLAR ONTO (patented)
Easy to install

VALVE CAN BE CONNECTED FROM THE OUTSIDE
Easy to install

VALVE CAN BE DISCONNECTED FROM THE INSIDE
Simple to maintain

SOLENOID VALVE, FILTER AND STOPCOCK CAN BE ACCESSED FROM THE FRONT
Simple to maintain

COLLAR WITH INTEGRATED SEAL
Completely waterproof

HOUSING CAN BE CUT TO SIZE
Adjusts to fit wall finishes up to 120mm

STAINLESS STEEL CONTROL PLATE WITH INTEGRATED ELECTRONICS
Battery-operated model: batteries can be replaced without shutting off the water or removing the valve





- **Water savings:** high-frequency mode, 3 available programmes
- **Hygiene:** systematic individual rinsing with no manual contact, hygienic duty flush, reduced-stagnation solenoid valve
- **Easy to install:** electronic system integrated into the body of the urinal valve
- **Easy to replace the batteries:** after 3 - 6 years, without removing the urinal valve or shutting off the water

TEMPOMATIC 4

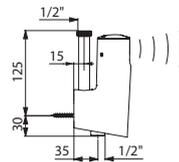
Exposed electronic urinal valve with integrated batteries



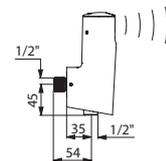
- **Battery-operated with integrated CR123 6V Lithium batteries.**
- For wall-mounted, exposed installation.
- **Reduced-stagnation solenoid valve and electronic unit integrated** into the body of the urinal valve.
- Shock-resistant infrared presence detection sensor.
- **Detection delay is 10 seconds.**
- **3 programmes** (rinse volume can be set according to the type of urinal).
- **High-frequency mode** (exclusive to DELABIE):
 - short rinse after each user
 - additional rinse at the end of the busy period.
- **Hygienic duty flush** every 24 hours after last use: prevents vacuums.
- Compatible with rain water.
- Flow rate 0.15 L/sec. at 3 bar, can be adjusted.
- **Integrated stopcock and flow rate adjuster.**
- One-piece chrome-plated metal body.
- M $\frac{1}{2}$ " connection.
- Suitable for people with reduced mobility.
- 30-year warranty.

Ideal for replacing old installations:

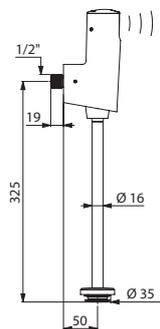
Can easily be installed where there was previously a time flow urinal valve.



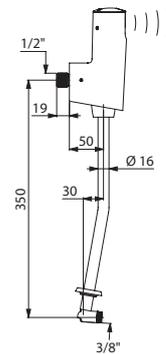
479410



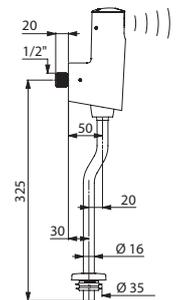
479411



479412



479413



479416

| TEMPOMATIC 4 exposed valve | |
|------------------------------------------------------------------|---------------|
| Valve only (M $\frac{1}{2}$ " outlet, 35mm gap from wall) | |
| In-line | 479410 |
| Angled | 479411 |
| Full kit (angled supply) | |
| For standard urinal: 50mm gap from wall | 479412 |
| For DELABIE FINO urinal | 479413 |
| For DELABIE DELTA urinal | 479414 |
| For non-standard urinal: 30mm gap from wall | 479416 |





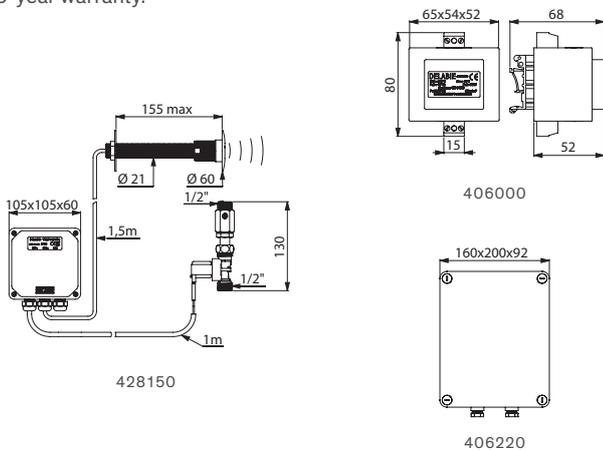
- **Hygiene:** no manual contact, hygienic duty flush
- **Vandal-resistant:** recessed or cross-wall installation

TEMPOMATIC

Cross wall electronic urinal valve



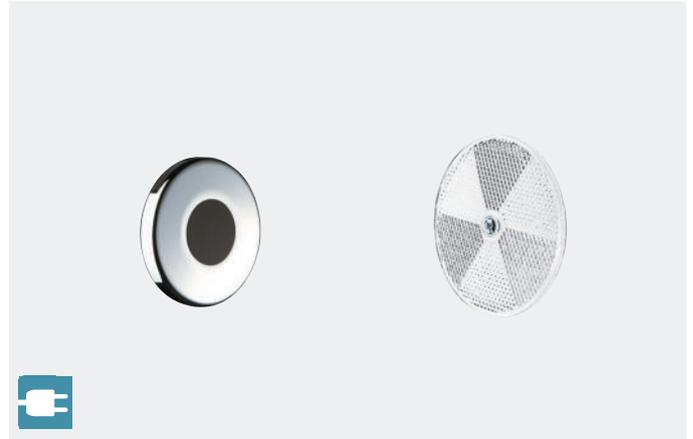
- **Mains supply.**
- Electronic control unit with solenoid valve, filter and stopcock M $\frac{1}{2}$ ".
- For cross wall installation.
- Shock-resistant infrared presence detection sensor.
- **Detection distance, time flow and flow rate can be adjusted** during installation.
- We recommend a 230/12V transformer (see below).
- **Detection delay is 3 seconds.**
- **Automatic pre-rinse** is possible.
- **Time flow ~3 seconds**, can be adjusted from 3 - 12 seconds.
- **Hygienic duty flush** every 24 hours after last use: prevents vacuums.
- Compatible with rain water.
- Flow rate 0.3 L/sec. at 3 bar, can be adjusted.
- Wall plate flush to the wall.
- Threaded rod can be cut to size.
- Suitable for people with reduced mobility.
- 30-year warranty.



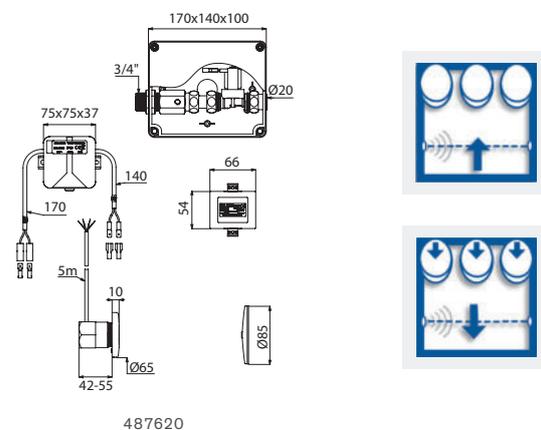
| TEMPOMATIC cross wall urinal valve | |
|-------------------------------------------------------------------------|--------|
| For walls \leq 155mm | 428150 |
| For walls \leq 225mm | 428200 |
| Transformer 230/12V for 1 - 5 TEMPOMATIC urinals | |
| Without housing | 406000 |
| In a waterproof housing | 406220 |
| Alternative cross wall lengths are available on request | |

TEMPOMATIC multi-urinals

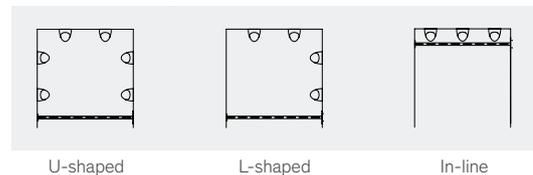
Recessed electronic valve with infrared barrier for urinals



- **Rinsing for 1 - 8 standard or stall urinals or 2 siphon action urinals.**
- For recessed installation.
- Electronic unit with 230/12V transformer.
- Hydraulic unit with solenoid valve, stopcock M $\frac{3}{4}$ " and filter.
- **Hygienic duty flush** every 24 hours after last use, prevents vacuums.
- Recessed infrared detector \varnothing 50mm and reflector \varnothing 85mm.
- **Automatic pre-rinse** is possible after the arrival of the first user.
- **Automatic rinse** every 30 or 60 seconds.
- **Time flow pre-set at 3 seconds**, can be adjusted from 2 - 14 seconds.
- Flow rate 0.3 L/sec. at 3 bar, can be adjusted.
- Maximum detection range recommended: 6 metres.
- **Anti-blocking security:** automatic shut-off after 20 uninterrupted cycles.
- Suitable for people with reduced mobility.
- 30-year warranty.



Installation examples



| TEMPOMATIC multi-urinals | 487620 |
|--------------------------|--------|
|--------------------------|--------|



60% WATER AND ENERGY SAVINGS

A smaller rinsing area

Due to the smaller bowl size, a standard urinal uses up to **6 times less water than a WC pan.**

Optimised time flow

DELABIE's urinal valves are more economical in terms of water than most of the valves available on the market. Time flow is set at **3 seconds** instead of the usual 7 seconds, resulting in up to 60% water consumption savings whilst maintaining appropriate hygiene levels.

Efficiency

With a minimum flow rate of 0.15 L/sec. for 3 seconds, the water volume is 45cl which is enough to renew the water in a conventional trap. This flow rate can be adjusted during installation.

Energy savings

DELABIE's time flow urinal valves operate completely autonomously with no need for an electrical supply. They **do not consume any power at all.**

Ecological

DELABIE's time flow urinal valves are made from materials that are **100% recyclable** which ensures that the products receive the best ecological assessment in their category.

Environmental labels

The water and energy saving performance of DELABIE's time flow urinal valves means that the buildings achieve the highest performance standards for international rating schemes such as LEED, BREEAM or HQE.

For more information see page 8.

SPECIFICALLY DESIGNED FOR COMMERCIAL ENVIRONMENTS

Superior endurance

The time flow mechanisms in DELABIE's urinal valves are hard-wearing.

The hydraulic timing system with a calibrated groove is self-cleaning, which extends its lifespan to over **500,000 operations.**

There is no metal-metal or metal-plastic friction, ensuring **reliable and durable timing.**

DELABIE's water controls perform to the highest standards. Each model is subjected to endurance tests under extreme conditions in endurance laboratories.

TECHNICAL SOLUTIONS SUITABLE FOR ALL CONSTRAINTS

Public and commercial buildings have different requirements depending on the place of installation and type of user.

DELABIE has developed specific products to respond to a variety of challenges (comfort, design, new buildings, refurbishment, users with specific needs, etc.).

Soft technology: soft-touch operation

DELABIE has developed time flow controls with a **soft-touch operation.**

Soft technology allows all users (children, the elderly or people with reduced mobility) to use the controls with no effort required.

TEMPOSOFT 2 and **TEMPOFLUX** models are fitted with a priming system that requires half the effort to operate, compared to conventional controls.

Waterproof recessing

TEMPOFLUX features DELABIE's newest generation of recessing housings. This housing is 100% waterproof and can be installed on different fixtures (rails, solid walls, panels) and can be adapted to fit different wall thicknesses from 10 - 120mm.

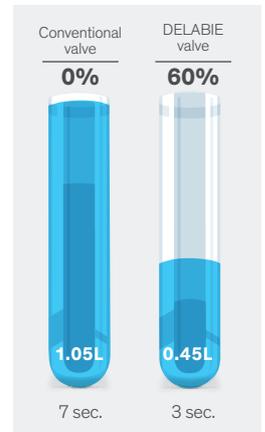
Types of installation

For refurbishment projects in particular, the water supply, available pressure or the associated urinals can be a problem for the installer.

DELABIE offers urinal valves with **in-line** or **angled** inlet supply, with $\frac{1}{2}$ " union (with ~3 or 7 seconds time flow).



Optimised time flow



Water savings per use



Soft technology: soft-touch operation



Vandal-resistant



Endurance





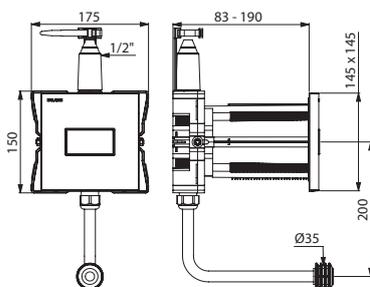
- **Water savings:** 60%
- **Comfort:** soft-touch operation
- **Easy to install:** modular and adjustable waterproof housing (for walls and finishes)

TEMPOFLUX

Recessed time flow urinal valve



- **Satin finish stainless steel control plate 145 × 145mm.**
- **Chrome-plated metal button.**
- **Waterproof recessing housing:**
 - Collar with waterproof seal.
 - Hydraulic connection from the outside and maintenance from the front.
 - Adjusts to all types of installation (rails, solid walls, panels).
 - Compatible with wall finishes from 10 - 120mm (while maintaining the minimum recessing depth of 83mm).
 - Suitable for standard or "pipe-in-pipe" supply.
 - Stopcock and flow rate adjustment, filter and cartridge are all integrated and accessible from the front.
 - TEMPOFLUX F½" urinal valve is compatible with sea water, rain water and grey water.
 - Supplied in 2 kits: secure system flush without sensitive elements.
- **Soft-touch operation.**
- **Time flow pre-set at ~3 seconds or ~7 seconds.**
- **Flow rate pre-set at 0.15 L/sec. at 3 bar,** can be adjusted up to 0.3 L/sec.
- Complies with European standard EN 12541 (class II acoustic level).
- Connection with Ø 35mm connection washer (for standard urinals) or ½" brass connection (for urinals supplied by flexible).
- For use with neck tube ref. 752430 or 757430.
- Suitable for people with reduced mobility.
- 30-year warranty.

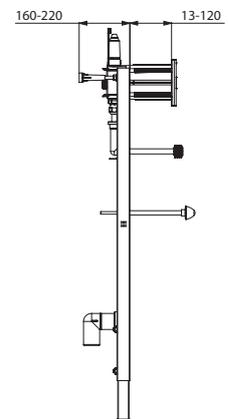
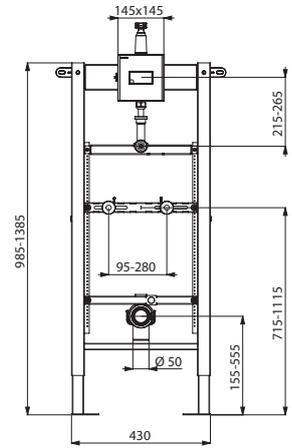


778BOX + 778700 + 752430

| TEMPOFLUX recessed urinal valve in a waterproof housing | |
|---------------------------------------------------------|------------------------|
| Time flow ~3 seconds | 778BOX + 778700 |
| Time flow ~7 seconds | 778BOX + 778707 |
| Ø 35mm neck tube supply for urinals | 752430 |
| Neck tube supply for urinals with flexible ½" | 757430 |

TEMPOFIX 3 with TEMPOFLUX

Frame system with time flow urinal valve



543006 + 778700

- Black powder-coated steel frame for wall-mounted installation.
- Fixes to floor and load-bearing walls, anchoring bolts supplied.
- Adjustable bracket 95 - 280mm.
- Frame height can be adjusted from 0 - 200mm.
- Ø 50mm soil pipe with waterproof seal.
- Delivered pre-mounted.
- **Compatible with solid wall finishes from 13 - 120mm.**
- 30-year warranty.

Fitted with a TEMPOFLUX F½" time flow urinal valve (see opposite).

| TEMPOFIX 3 with TEMPOFLUX urinal valve | |
|----------------------------------------|-------------------------|
| Time flow ~3 seconds | |
| For urinals Ø 35mm | 543006 + 778700 |
| For urinals with flexible ½" | 543006D + 778700 |
| Time flow ~7 seconds | |
| For urinals Ø 35mm | 543006 + 778707 |
| For urinals with flexible ½" | 543006D + 778707 |





- **Water savings:** 60%
- **Comfort:** soft-touch operation
- **Simple to maintain:** innovative stopcock and flow rate adjustment system integrated in the wall plate

TEMPOFLUX

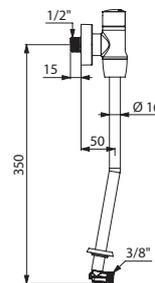
Exposed time flow urinal valve



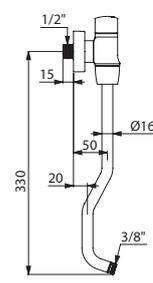
- For standard or siphon action urinals.
- For wall-mounted, exposed installation.
- **Soft-touch operation.**
- **Time flow ~3 seconds.**
- Flow rate pre-set at 0.15 L/sec. at 3 bar, can be adjusted up to 0.3 L/sec.
- **Innovative stopcock and flow rate adjustment system integrated in the wall plate (patented).**
- **Complies with European standard EN 12541** (class II acoustic level).
- Compatible with rain water.
- Chrome-plated solid brass body M1/2".
- With chrome-plated neck tube.
- Angled for recessed inlet.
- Suitable for people with reduced mobility.
- 30-year warranty.

TEMPOFLUX exposed kit for DELABIE urinals

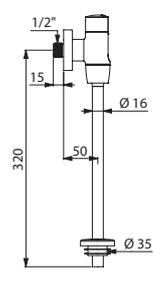
| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| For FINO urinal | 778759 |
| For DELTA urinal | 778757 |
| For standard urinal (50mm gap from wall) (type ALLIA Blagnac or DURAVIT Jim, Starck, D-code or IDEAL STANDARD Axif or LAUFEN Caprino or ROCA Mini or VB O.Novo etc.) | 778755 |



778759



778757



778755



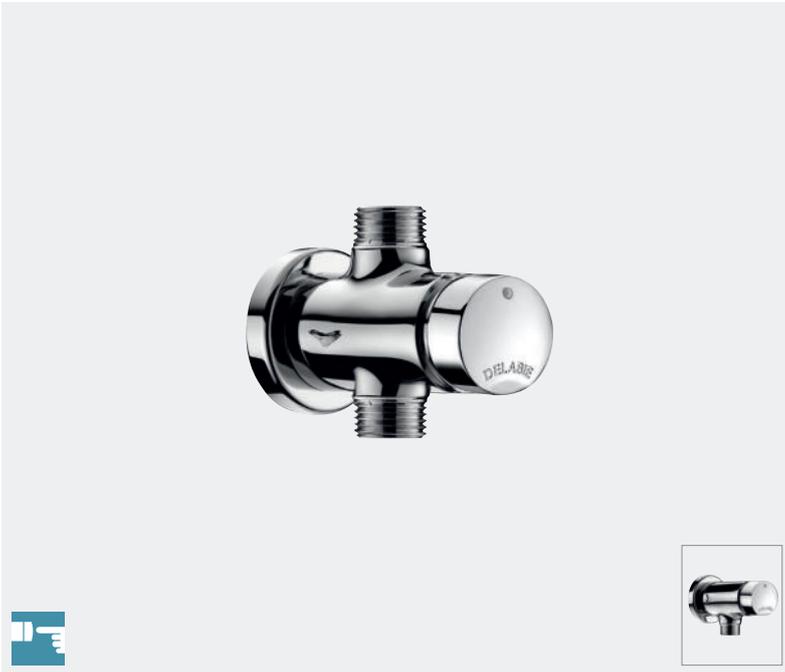
Time flow urinal valve 778800



- **Water savings:** 60%
- **Vandal-resistant:** chrome-plated brass, recessed version
- **Comfort:** soft-touch operation

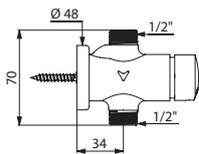
TEMPOSOFT 2

Exposed time flow urinal valve

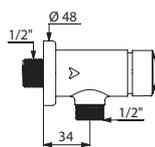


- For standard or siphon action urinals.
- **Soft-touch operation.**
- Compatible with rain water.
- **Time flow ~3 seconds.**
- **Flow rate pre-set at 0.15 L/sec.** at 3 bar, can be adjusted.
- Chrome-plated solid brass body M1/2".
- Suitable for people with reduced mobility.
- 30-year warranty.

The recessed version of this urinal valve does not have a waterproof recessing housing. The installer must ensure that the recessing area is waterproof and any leaks or condensation can drain away (see installation guide).



777800



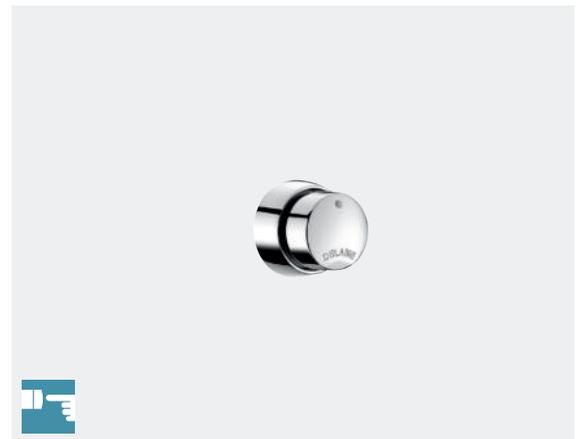
778800

TEMPOSOFT 2

Wall-mounted recessed time flow urinal valve

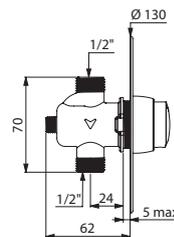


- TEMPOSOFT 2 recessed time flow urinal valve:**
- Bright polished stainless steel wall plate Ø 130mm.
 - Spacing can be adjusted from 1 - 5mm.

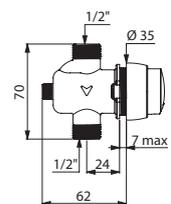


TEMPOSOFT 2 time flow urinal valve for panels:

- For panels or dry wall installation up to 7mm maximum.



777130



777140

| TEMPOSOFT 2 exposed urinal valve | |
|----------------------------------|---------------|
| Straight for in-line inlets | 777800 |
| Angled for recessed inlets | 778800 |

Options: unions and neck tubes (see page 182)

| TEMPOSOFT 2 urinal valve, recessed or for panels | |
|--------------------------------------------------|---------------|
| Recessed behind a wall plate | 777130 |
| For panels or dry walls | 777140 |

Options: unions and neck tubes (see page 182)



- **Water savings:** 60%
- **Vandal-resistant:** recessed

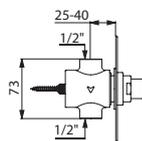
TEMPOSTOP

Recessed time flow urinal valve



- For standard or siphon action urinals.
- For recessed installation.
- Recessing depth can be adjusted.
- Stainless steel plate Ø 130mm.
- Compatible with rain water.
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 0.25 L/sec.** at 3 bar, can be adjusted.
- Solid brass body F½".
- 30-year warranty.

This model does not have a waterproof recessing housing. The installer must ensure that the recessing area is waterproof and any leaks or condensation can drain away (see installation guide).



779128

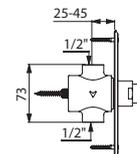
TEMPOSTOP

Recessed time flow urinal valve



- For standard or siphon action urinals.
- For recessed installation.
- Recessing depth can be adjusted.
- Stainless steel plate 160 × 160mm.
- Compatible with rain water.
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 0.25 L/sec.** at 3 bar, can be adjusted.
- Solid brass body F½".
- 30-year warranty.

This model does not have a waterproof recessing housing. The installer must ensure that the recessing area is waterproof and any leaks or condensation can drain away (see installation guide).



779427

| | |
|-------------------------------------|--------|
| TEMPOSTOP recessed valve with plate | 779128 |
|-------------------------------------|--------|

| | |
|-------------------------------------------|--------|
| TEMPOSTOP recessed valve with plate | 779427 |
| Option: tamperproof screws (see page 267) | |



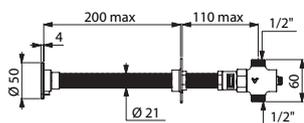
• Water savings: 60%

TEMPOSTOP

Cross wall time flow urinal valve



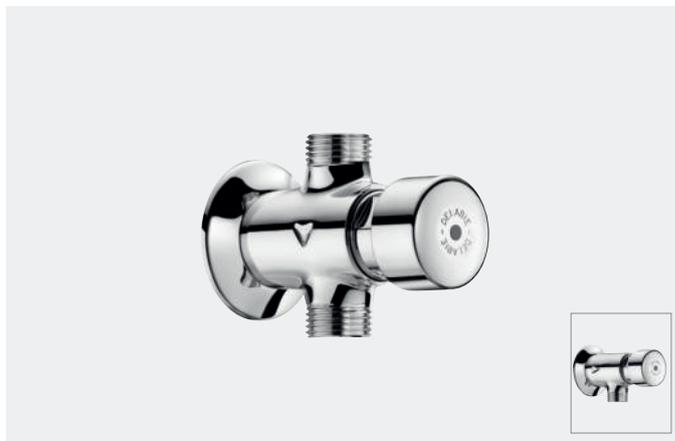
- For standard or siphon action urinals.
- For walls ≤ 200mm.
- Compatible with rain water.
- **Time flow ~3 seconds.**
- **Flow rate pre-set at 0.15 L/sec.** at 3 bar, can be adjusted.
- Chrome-plated metal body M $\frac{1}{2}$ ".
- Control base plate with anti-rotating pin.
- Connecting nut.
- Threaded rod can be cut to size.
- 30-year warranty.



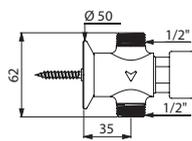
777110

TEMPOSTOP

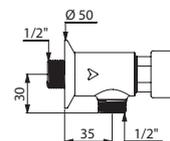
Exposed time flow urinal valve M $\frac{1}{2}$ "



- For standard, siphon action, or stall urinals.
- For wall-mounted, exposed installation.
- Compatible with rain water.
- **Time flow ~3 seconds.**
- **Flow rate pre-set at 0.15 L/sec.** at 3 bar, can be adjusted.
- Chrome-plated solid brass body M $\frac{1}{2}$ ".
- Wall plate.
- 30-year warranty.



777000



778000

TEMPOSTOP exposed urinal valve M $\frac{1}{2}$ "

| | |
|-----------------------------|---------------|
| Straight for in-line inlets | 777000 |
| Angled for recessed inlets | 778000 |

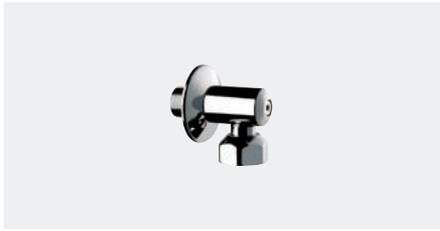
Options: unions and neck tubes (see page 182)

| | |
|------------------------------------------|---------------|
| TEMPOSTOP cross wall urinal valve | 777110 |
|------------------------------------------|---------------|

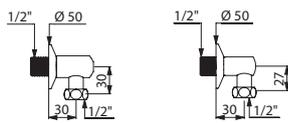
Alternative cross wall lengths are available on request

Elbow union

With or without stopcock



- Retractable nut.
- Chrome-plated brass.
- L. 30mm.
- 30-year warranty.



836015

838015

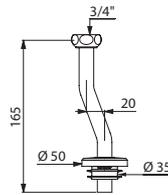
| Elbow STOP union with stopcock | |
|--------------------------------|---------------|
| MF 1/2", H. 30mm | 836015 |
| M 1/2" - F 3/4", H. 30mm ± 2mm | 836020 |
| Elbow union without stopcock | |
| MF 1/2", H. 27mm | 838015 |
| M 1/2" - F 3/4", H. 29mm | 838020 |

Neck tube

For siphon action urinals



- **F 3/4" Ø 35mm.**
- IDEAL STANDARD Prival 3803.
- NOVOBOCH Mistal or Vasco.
- ROCA Mural.
- SELLES 8620 or Mistal.
- VILLEROY & BOCH Targa 7502/7504 or Esta 7508.
- 30-year warranty.



759000

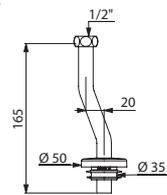
| | |
|--------------------------------|---------------|
| Neck tube F 3/4" Ø 35mm | 759000 |
|--------------------------------|---------------|

Neck tube

For standard or siphon action urinals



- **F 1/2" Ø 35mm.**
- ALLIA GEBERIT Satolas 43650/43651 or Blagnac 3560.
- DURAVIT Ben 848.7, Pago 839.6, Jim or Neiße.
- IDEAL STANDARD Pindard.
- LAUFEN Como.
- NOVOBOCH Oural 600.
- PORCHER Axif.
- SELLES Euroline.
- SPHINX Eurobase.
- VILLEROY & BOCH Java, Toboga, Troja, Magnum, Targa, Esta.
- 30-year warranty.



752000

| | |
|--------------------------------|---------------|
| Neck tube F 1/2" Ø 35mm | 752000 |
|--------------------------------|---------------|

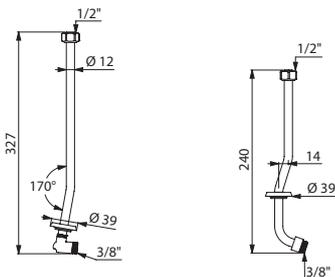
Neck tube

For DELABIE urinals



- **F 1/2".**
- DELABIE FINO or DELTA.
- 30-year warranty.

For matching urinals see DELABIE "Stainless Steel Sanitary Ware" catalogue (Doc 750INT).



757135

757162

| Neck tube F 1/2", for DELABIE urinals | |
|---------------------------------------|---------------|
| FINO | 757135 |
| DELTA | 757162 |

Neck tube

For ALLIA / SELLES urinals



- **F 1/2"** with water nozzle.
- ALLIA GEBERIT Aubagne, Amigo 3645.
- SELLES 8418.
- 30-year warranty.



751000

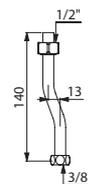
| | |
|---------------------------------------------------------------|---------------|
| Neck tube F 1/2" for ALLIA/GBERIT Aubagne, SELLES 8418 | 751000 |
|---------------------------------------------------------------|---------------|

Neck tube

For I.S. / PORCHER urinals



- IDEAL STANDARD Exposed 3873.
- PORCHER Exposed 2642/2651.
- 30-year warranty.



753000

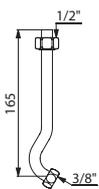
| Neck tube F 1/2", for I.S. / PORCHER urinals | |
|----------------------------------------------|---------------|
| IDEAL STANDARD F 1/2" - F 3/8" Exposed 3873 | 753000 |
| PORCHER F 1/2" - F 3/8" Exposed 2641/2651 | |

Neck tube

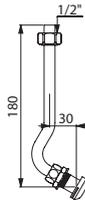
For JACOB DELAFON urinals



- JACOB DELAFON Coquille 2-1519.
- 30-year warranty.



754000



754524

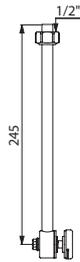
| Neck tube for JACOB DELAFON urinals | |
|--------------------------------------------------------|---------------|
| Coquille 2-1519 F $\frac{1}{2}$ " without water nozzle | 754000 |
| Coquille 2-1519 F $\frac{1}{2}$ " with water nozzle | 754524 |

Neck tube

For VILLEROY & BOCH urinals



- F $\frac{1}{2}$ ".
- VILLEROY & BOCH Losange 7530.
- With water nozzle.
- 30-year warranty.



751753

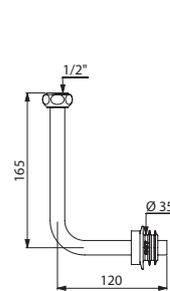
| | |
|----------------------------------------------------------|---------------|
| Neck tube F $\frac{1}{2}$ ", for VILLEROY & BOCH urinals | 751753 |
|----------------------------------------------------------|---------------|

Recessed inlet

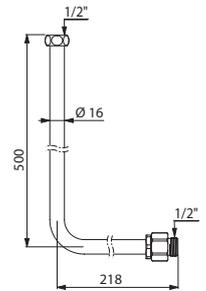
For standard or siphon action urinals



- 30-year warranty.



758135



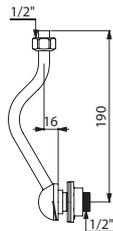
758445

| Recessed inlet | |
|---------------------------------------------------------|---------------|
| Recessed neck tube F $\frac{1}{2}$ " Ø 35mm | 758135 |
| Recessed neck tube F $\frac{1}{2}$ "- M $\frac{1}{2}$ " | 758445 |
| Recessed union M $\frac{1}{2}$ " Ø 35mm | 758035 |

Neck tube for stalls



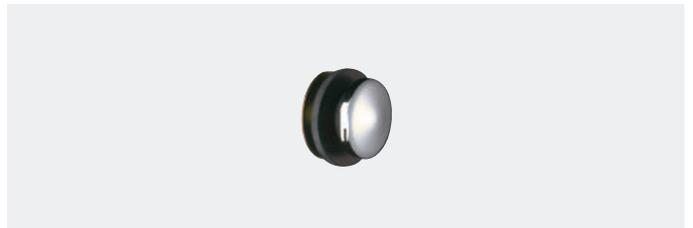
- F $\frac{1}{2}$ ".
- Water nozzle.
- 30-year warranty.



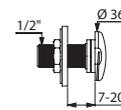
756000

| | |
|---------------------------------------------------------|---------------|
| Neck tube for SELLES 452, ALLIA/GEBERIT Montceau 007350 | 756000 |
|---------------------------------------------------------|---------------|

Water nozzle for stalls



- 30-year warranty.



758921

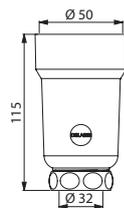
| Water nozzle for stalls | |
|-------------------------|---------------|
| M $\frac{3}{8}$ " | 758021 |
| M $\frac{1}{2}$ " | 758921 |

SIPHURINOIR

Urinal trap



- Vertical urinal trap Ø 50mm.
- Outlet Ø 32mm with nut.
- 50mm water level.
- Chrome-plated ABS
- 30-year warranty.



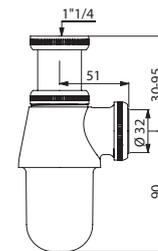
771000

| | |
|-------------|--------|
| SIPHURINOIR | 771000 |
|-------------|--------|

Bottle urinal trap with horizontal outlet



- Inlet F1¼".
- Horizontal outlet Ø 32mm with nut.
- Water level 50mm.
- Chrome-plated brass.
- 30-year warranty.



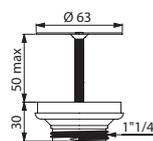
517000

| | |
|------------------------------------|--------|
| Bottle trap with horizontal outlet | 517000 |
|------------------------------------|--------|

Urinal waste



- Stainless steel grid Ø 63mm to cover a hole of Ø 54mm maximum.
- Outlet M1¼".
- Central screw.
- 30-year warranty.



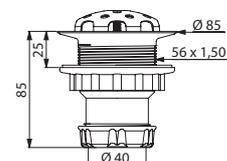
580000

| | |
|--------------|--------|
| Urinal waste | 580000 |
|--------------|--------|

Stall waste



- With integrated trap.
- With stainless steel inlet filter and polypropylene body.
- Outlet Ø 40mm with nut.
- 30-year warranty.



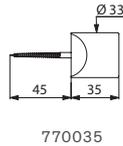
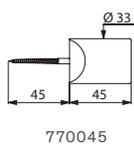
785000

| | |
|-------------|--------|
| Stall waste | 785000 |
|-------------|--------|

Corner wedge



- For TEMPOSTOP (ref. 777000) or TEMPOSOF2 2 (ref. 778800) on corner-mounted urinals.
- 30-year warranty.



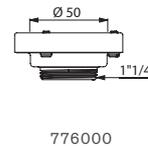
Corner wedge

| | |
|-----------------------------------|---------------|
| ALLIA Aubagne 3640, Satolas 43610 | 770045 |
| VILLEROY & BOCH Troja 7540 | |
| IDEAL STANDARD Exposed 3874 | 770035 |
| JACOB DELAFON Coquille 2, 1516 | |
| LAUFEN Como | |
| PORCHER Exposed 2651 | |

Urinal outlet



- Inlet \varnothing 50mm with compression seal.
- Outlet M1 $\frac{1}{4}$ ".
- Chrome-plated brass.
- 30-year warranty.



Urinal outlet

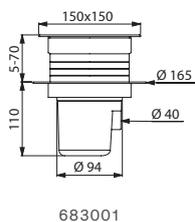
776000

Floor trap 150 × 150mm

For tiled or concrete floors



- Flow rate 36 lpm (meets standards).
- Water level 50mm.
- Bright polished stainless steel plate and grid 150 × 150mm.
- Vertical or horizontal outlet integrated into the height of the floor trap (saves height and space in all dimensions).
- Height adjusts up to 70mm with extension.
- 30-year warranty.



Floor trap 150 × 150mm

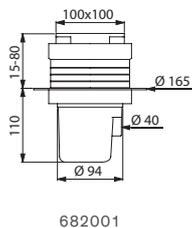
| | |
|--------------------|-----------------|
| \varnothing 40mm | 683001 |
| \varnothing 43mm | 683001UK |

Floor trap 100 × 100mm

For tiled or concrete floors



- Flow rate 36 lpm (meets standards).
- Water level 50mm.
- Bright polished stainless steel grid 100 × 100mm.
- Vertical or horizontal outlet integrated into the height of the floor trap (saves height and space in all dimensions).
- Height adjusts up to 80mm with extension.
- 30-year warranty.



Floor trap 100 × 100mm

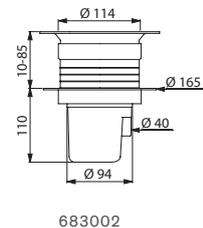
| | |
|--------------------|-----------------|
| \varnothing 40mm | 682001 |
| \varnothing 43mm | 682001UK |

Floor trap \varnothing 114mm

For soft or vinyl floors



- Flow rate 36 lpm (meets standards).
- Water level 50mm.
- Bright polished stainless steel grid \varnothing 114mm.
- Vertical or horizontal outlet integrated into the height of the floor trap (saves height and space in all dimensions).
- Height adjusts up to 85mm with extension.
- 30-year warranty.



Floor trap \varnothing 114mm

| | |
|--------------------|-----------------|
| \varnothing 40mm | 683002 |
| \varnothing 43mm | 683002UK |

DELABIE / Recommendations by type of urinal

Having selected a urinal brand and model, choose the associated water control equipment in the table below

| Brand | Model | Reference | Connection | TIME FLOW CONTROLS | | | | | ELECTRONIC CONTROLS | | | |
|--------------------------|----------------------------|----------------------------|------------|--------------------|--------------------------|-------------|-----------------|---------------------------|-----------------------------|-------------------------|-------------|--------------|
| | | | | Classic TEMPOSTOP | Soft TEMPOSOFT TEMPOFLUX | + Neck tube | + Trap Waste | or complete kit TEMPOSTOP | TEMPOMATIC battery-operated | TEMPOMATIC mains supply | + Neck tube | + Trap Waste |
| ALLIA - SELLES - GEBERIT | AMIGO | 03645 | in-line | 777000 | 777800 | - | 771000 | - | 479410 | - | - | 771000 |
| | AMIGO | 03645 | angled | 778000 | 778800 | - | 771000 | - | 479411 | - | - | 771000 |
| | AGORA | 83621 | recessed | 779128 | - | - | - | - | - | - | - | - |
| | AUBAGNE 2 | 03639 | in-line | 777000 | 777800 | 751000 | 517000 | - | 479410 | - | 751000 | 517000 |
| | AUBAGNE 2 | 03639 | angled | 778000 | 778800 | 751000 | 517000 | - | 479411 | - | 751000 | 517000 |
| | AUBAGNE 2 D'ANGLE | 03639 | in-line | 777000 + 770045 | 778000 + 770045 | 751000 | 517000 | - | - | - | - | - |
| | BLAGNAC | 03560 | in-line | 777000 | 777800 | 752000 | - | 777015 | 479410 | - | 752000 | - |
| | BLAGNAC 2 | 03580 | | - | - | - | - | - | - | - | - | |
| | BLAGNAC | 03560 | angled | 778000 | 778800 or 778755 | 752000 | - | - | 479412 | - | - | - |
| | BLAGNAC 2 | 03580 | | - | - | - | - | - | - | - | - | |
| | BLAGNAC | 03570 | recessed | - | 778BOX + 778700 | 752430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 752430 | - |
| | BLAGNAC 2 | 03590 | | - | - | - | - | - | - | - | - | |
| | MONTCEAU | 07350 | in-line | 777000 | 777800 | 756000 | 785000 | - | 479410 | - | 756000 | 785000 |
| | MONTCEAU | 07350 | angled | 778000 | 778800 | 756000 | 785000 | - | 479411 | - | 756000 | 785000 |
| | MONTCEAU | 07350 | recessed | 779427 + 758021 | - | - | 785000 | - | - | - | - | - |
| | MONTCEAU MURALE | 07390 | in-line | 777000 | 777800 | - | 785000 | - | 479410 | - | - | 785000 |
| | MONTCEAU MURALE | 07390 | angled | 778000 | 778800 | - | 785000 | - | 479411 | - | - | 785000 |
| | NOGENT 2 | 03629 | in-line | 777000 | 777800 | - | 517000 | - | 479410 | - | - | 517000 |
| | NOGENT 2 | 03629 | angled | 778000 | 778800 | - | 517000 | - | 479411 | - | - | 517000 |
| | NOGENT 2 D'ANGLE | 03629 | in-line | 777000 + 770045 | 777800 + 770045 | - | 517000 | - | - | - | - | - |
| ROISSY | 0836411 | recessed | - | 778BOX + 778700 | 752430 | - | - | 430PBOX + 430006 | 430SBOX + 430010 | 752430 | - | |
| ROISSY | 0836410 | recessed | - | 778BOX + 778700 | - | - | - | 430PBOX + 430006 | 430SBOX + 430010 | - | - | |
| SATOLAS D'ANGLE | 03610 | in-line | - | - | - | - | 777015 + 770045 | - | - | - | - | |
| SATOLAS | 03620 | recessed | 779128 | - | - | - | - | - | - | - | - | |
| SATOLAS | 03650 | in-line | 777000 | 777800 | 752000 | - | 777015 | 479410 | - | 752000 | - | |
| SATOLAS | 03650 | angled | 777000 | 777800 or 778755 | 752000 | - | - | 479412 | - | - | - | |
| SATOLAS | 03660 | recessed | - | 778BOX + 778700 | 752430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 752430 | - | |
| DELABIE | DELTA | 134770 164770 | recessed | - | 778BOX + 778700 | 757430 | - | - | 430PBOX + 430006 | 430SBOX + 430000 | 757430 | - |
| | DELTA | 134170 | in-line | 777000 | 777800 | 757162 | - | - | 479410 | - | 757162 | - |
| | DELTA | 134170 | angled | 778000 | 778800 or 778757 | 757162 | - | - | 479414 | - | - | - |
| | FINO | 135710 | recessed | - | 778BOX + 778700 | 757430 | - | - | 430PBOX + 430006 | 430SBOX + 430000 | 757430 | - |
| | FINO | 135110 | in-line | 777000 | 777800 | 757135 | - | - | 479410 | - | 757135 | - |
| | FINO | 135110 | angled | 778000 | 778800 or 778759 | 757135 | - | - | 479413 | - | - | - |
| | STALLE L | 130200 130210 130220 | recessed | - | 778BOX + 778700 | 757430 | - | - | 430PBOX + 430006 | 430SBOX + 430000 | 757430 | - |
| | STALLE LP | 130300 130310 130320 | recessed | - | 778BOX + 778700 | 757430 | - | - | 430PBOX + 430006 | 430SBOX + 430000 | 757430 | - |
| | Wall-mounted trough urinal | 130100 130110 130120 | exposed | - | - | - | - | - | - | 487620 | - | - |

Having selected a urinal brand and model, choose the associated water control equipment in the table below

| Brand | Model | Reference | Connection | TIME FLOW CONTROLS | | | | | ELECTRONIC CONTROLS | | | |
|------------|-----------------|------------------------|------------|--------------------|--------------------------|-------------|------------------|---------------------------|-----------------------------|-------------------------|-------------|------------------|
| | | | | Classic TEMPOSTOP | Soft TEMPOSOFT TEMPOFLUX | + Neck tube | + Trap Waste | or complete kit TEMPOSTOP | TEMPOMATIC battery-operated | TEMPOMATIC mains supply | + Neck tube | + Trap Waste |
| DURAVIT | ARCHITEC | 82037 | recessed | - | 778BOX + 778700 | 752430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 752430 | - |
| | | 81737 81937 | in-line | 777000 | 777800 | 752000 | - | 777015 | 479410 | - | 752000 | - |
| | | 81737 81937 | angled | 778000 | 778800 or 778755 | 752000 | - | - | 479411 or 479412 | - | 752000 | - |
| | BEN | 84737 | recessed | - | 778BOX + 778700 | 752430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 757430 | - |
| | | 84737 | in-line | 777000 | 777800 | 752000 | - | 777015 | 479410 | - | 752000 | - |
| | | 84737 | angled | 778000 | 778800 or 778755 | 752000 | - | - | 479411 or 479412 | - | 752000 | - |
| | BILL | 85135 | recessed | - | 778BOX + 778700 | 752430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 757430 | - |
| | DURAPLUS | 83036 | recessed | - | 778BOX + 778700 | 757430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 757430 | - |
| | DURASTYLE | 280630 | recessed | - | 778BOX + 778700 | 757430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 757430 | - |
| | | 280430 | | - | 778BOX + 778700 | 757430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 757430 | - |
| | D-CODE | 82830066 82830067 | in-line | 777000 | 777800 | - | - | - | 479410 | - | - | - |
| | | 82830066 82830067 | angled | 778000 | 778800 | - | - | - | 479411 | - | - | - |
| | | 82930 | recessed | - | 778BOX + 778700 | 757430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 757430 | - |
| | FIZZ | 82336 | recessed | - | 778BOX + 778700 | 752430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 752430 | - |
| | JIM | 85035 | in-line | 777000 | 777800 | 752000 | - | 777015 | 479410 | - | 752000 | - |
| | | 85035 | angled | 778000 | 778800 or 778755 | 752000 | - | - | 479411 or 479412 | - | 752000 | - |
| | RIMLESS | 281530 | in-line | 777000 | 777800 | 752000 | - | 777015 | 479410 | - | 752000 | - |
| | | 281530 | angled | 778000 | 778800 | 752000 | - | - | 479411 or 479412 | - | 752000 | - |
| | STARCK | 82135 83432 | recessed | - | 778BOX + 778700 | 752430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 752430 | - |
| | | 82725 | | - | 778BOX + 778700 | 757430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 757430 | - |
| | | 82235 | angled | 778000 | 778800 or 778755 | 752000 | - | - | 479411 or 479412 | - | 752000 | - |
| | | 826250066 826250067 | in-line | 777000 | 777800 | - | - | - | 479410 | - | - | - |
| | | 826250066 826250067 | angled | 778000 | 778800 | - | - | - | 479411 | - | - | - |
| VERO | 280032 | recessed | - | 778BOX + 778700 | 752430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 752430 | - | |
| THUN | 280430 | recessed | - | 778BOX + 778700 | 752430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 752430 | - | |
| | 280530 | in-line | 777000 | 777800 | 752000 | - | 777015 | 479410 | - | 752000 | - | |
| | 280580 | angled | 778000 | 778800 or 778755 | 752000 | - | - | 479411 or 479412 | - | 752000 | - | |
| STRUKTURA | EZA022 | recessed | - | 778BOX + 778700 | 757430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 757430 | - | |
| J. DELAFON | STALLE MURALE 2 | EN498 | in-line | 777000 | 777800 | - | 785000 | - | 479410 | - | - | 785000 |
| | COQUILLE 2 | E1519 | in-line | 777000 | 777800 | 754524 | 517000 580000 | - | 479410 | - | 754524 | 517000 580000 |
| | COQUILLE 2 | E1519 | angled | 778000 | 778800 | 754524 | 517000 580000 | - | 479411 | - | 754524 | 517000 580000 |
| | ODEON | E1147 | recessed | - | 778BOX + 778700 | 752430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 752430 | - |
| | PATIO | E1545 E1546 | in-line | 779000 | - | - | - | - | 479410 | - | - | - |
| | PATIO | E1548 | recessed | - | 778BOX + 778700 | 757430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 757430 | - |

DELABIE / Recommendations by type of urinal

Having selected a urinal brand and model, choose the associated water control equipment in the table below

| Brand | Model | Reference | Connection | TIME FLOW CONTROLS | | | | | ELECTRONIC CONTROLS | | | |
|--------------------------|------------------|-----------------------|------------|--------------------|--------------------------|-------------|---------------|---------------------------|-----------------------------|-------------------------|-------------|---------------|
| | | | | Classic TEMPOSTOP | Soft TEMPOSOFT TEMPOFLUX | + Neck tube | + Trap Waste | or complete kit TEMPOSTOP | TEMPOMATIC battery-operated | TEMPOMATIC mains supply | + Neck tube | + Trap Waste |
| LAUFEN | CAPRINO | 842061 | recessed | - | 778BOX + 778700 | 752430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 752430 | - |
| | CAPRINO | 842062 | in-line | 777000 | 777800 | 752000 | - | 777015 | 479410 | - | 752000 | - |
| | CAPRINO | 842062 | angled | 778000 | 778800 or 778755 | 752000 - | - | - | 479412 | - | - | - |
| PORCHER - IDEAL STANDARD | APPLIQUE | P2641 | in-line | 777000 | 777800 | 753000 | 517000 580000 | - | 479410 | - | 753000 | 517000 580000 |
| | APPLIQUE | P2641 | angled | 778000 | 778800 | 753000 | 517000 580000 | - | 479411 | - | 753000 | 517000 580000 |
| | APPLIQUE D'ANGLE | P2651 | in-line | 777000 + 770035 | 777800 + 770035 | 753000 | 517000 580000 | - | - | - | - | - |
| | AXIF | P2681 | in-line | 777000 | 777800 | 752000 | - | 777015 | 479410 | - | 752000 | - |
| | AXIF | P2681 | angled | 778000 | 778800 or 778755 | 752000 - | - | - | 479412 | - | - | - |
| | AXIF | P2682 | recessed | - | 778BOX + 778700 | 752430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 752430 | - |
| | CONNECT | E8166 | | | | | | | | | | |
| | AXIF + | E5706 | in-line | 777000 | 777800 | 752000 | - | 777015 | 479410 | - | 752000 | - |
| | AXIF + | E5706 | angled | 778000 | 778800 or 778755 | 752000 - | - | - | 479412 | - | - | - |
| | AXIF + | E5705 | recessed | - | 778BOX + 778700 | 752430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 752430 | - |
| | CONQUE | P9870 | in-line | 777000 | 777800 | - | 517000 | - | 479410 | - | - | 517000 |
| | CONQUE | P9870 | angled | 778000 | 778800 | - | 517000 | - | 479411 | - | - | 517000 |
| | HYGIENIQ | S6123 | in-line | 777000 | 777800 | - | - | - | 479410 | - | - | - |
| | HYGIENIQ | S6123 | angled | 778000 | 778800 | - | - | - | 479411 | - | - | - |
| | STALLE STELLA 3 | J5137 | in-line | 777000 | 777800 | - | 785000 | - | 479410 | - | - | 785000 |
| STALLE STELLA 3 | J5137 | angled | 778000 | 778800 | - | 785000 | - | 479411 | - | - | 785000 | |
| ROCA | MINI | 353145000 | in-line | 777000 | 777800 | 752000 | 771000 | - | 479410 | - | 752000 | 771000 |
| | MINI | 353145000 | angled | 778000 | 778800 or 778755 | 752000 - | 771000 | - | 479412 | - | - | 771000 |
| | MURAL | 353330001 | in-line | 779000 | - | 759000 | - | - | 479410 | - | 752000 | - |
| | HALL | A353623000 | recessed | - | 778BOX + 778700 | 752430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 752430 | - |
| | SITE | A359605000 | | | | | | | | | | |
| | SPUN | A353147000 A353148000 | | | | | | | | | | |
| | SITE | A359607000 | in-line | 777000 | 777800 | 752000 | - | 777015 | 479410 | - | 752000 | - |
| | SPUN | A353149000 | | | | | | | | | | |
| | SITE | A359607000 | angled | 778000 | 778800 or 778755 | 752000 - | - | - | 479412 | - | - | - |
| SPUN | A353149000 | | | | | | | | | | | |
| SPHINX | EUROBASE | 75 | in-line | 777000 | 777800 | 752000 | - | 777015 | 479410 | - | 752000 | - |
| | EUROPA | 85 | | | | | | | | | | |
| | EUROBASE | 75 | angled | 778000 | 778800 or 778755 | 752000 - | - | - | 479412 | - | - | - |
| | EUROPA | 85 | | | | | | | | | | |
| | EUROBASE | 70 | recessed | - | 778BOX + 778700 | 752430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 752430 | - |
| | EUROPA | 80 | | | | | | | | | | |
| | ANTIBES | - | | | | | | | | | | |
| EUROPA | 55 | in-line | 779000 | - | 759000 | 776000 | - | 479410 | - | 752000 | 776000 | |

Having selected a urinal brand and model, choose the associated water control equipment in the table below

| Brand | Model | Reference | Connection | TIME FLOW CONTROLS | | | | | ELECTRONIC CONTROLS | | | |
|-----------------|-------------------|-----------|-----------------|--------------------|--------------------------|-------------|------------------|---------------------------|-----------------------------|-------------------------|-------------|--------------|
| | | | | Classic TEMPOSTOP | Soft TEMPOSOFT TEMPOFLUX | + Neck tube | + Trap Waste | or complete kit TEMPOSTOP | TEMPOMATIC battery-operated | TEMPOMATIC mains supply | + Neck tube | + Trap Waste |
| VILLEROY & BOCH | O.NOVO | 7502 | in-line | 779000 | - | 759000 | - | - | 479410 | - | 752000 | - |
| | TARGA PRO | 7502 | | | | | | | | | | |
| | TARGA ARCHITECT. | 5573 | | | | | | | | | | |
| | TARGA CLASSIC | 7526 | recessed | - | 778BOX + 778700 | 752430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 752430 | - |
| | ARCHITECTURE | 5586 | | | | | | | | | | |
| | TARGA PRO | 7503 | | | | | | | | | | |
| | TARGA CLASSIC | 7507 | | | | | | | | | | |
| | TARGA COMPACT | 7557 | | | | | | | | | | |
| | O.NOVO | 7513 | in-line | 779000 | - | 759000 | 776000 | - | 479410 | - | 752000 | 776000 |
| | SUBWAY | 7519 | | | | | | | | | | |
| | O.NOVO | 7504 | in-line | 779000 | - | 759000 | 776000 | - | 479410 | - | 752000 | 776000 |
| | TARGA PRO | 7508 | in-line | 777000 | 777800 | 752000 | - | 777015 | 479410 | - | 752000 | - |
| | O.NOVO | 7508 | angled | 778000 | 778800 or 778755 | 752000 | - | - | 479412 | - | - | - |
| | TARGA PRO | 7530 | in-line | 777000 | 777800 | 751753 | 517000 580000 | - | - | - | - | - |
| | LOSANGE TARGA PRO | 7530 | angled | 778000 | 778800 or 778755 | 751753 | 517000 580000 | - | - | - | - | - |
| VITRA | ARKITEKT | 6202 | in-line | 777000 | 777800 | 752000 | - | 777015 | 479410 | - | 752000 | - |
| | | S50 | | | | | | | | | | |
| | | 5330-1069 | | | | | | | | | | |
| | ARKITEKT | 6202 | angled | 778000 | 778800 | 752000 | - | - | 479412 | - | - | - |
| | | S50 | | | | | | | | | | |
| | | 5330-1069 | | | | | | | | | | |
| | ARKITEKT | 6563 | in-line | 779000 | - | 759000 | - | - | 479410 | - | 752000 | - |
| | | S20 | | | | | | | | | | |
| | | 5462-1069 | | | | | | | | | | |
| | ARKITEKT | 6201 | recessed | - | 778BOX + 778700 | 752430 | - | - | 430PBOX + 430016 | 430SBOX + 430010 | 752430 | - |
| | S20 | | | | | | | | | | | |
| | 5462-0309 | | | | | | | | | | | |
| MATRIX | 5128 | recessed | 779128 + 758035 | - | - | - | - | - | - | - | - | |
| RETRO | 5218 | | | | | | | | | | | |



WCs with direct flush systems: Valves and cistern-less frame systems

SOLUTIONS FOR
CISTERN-LESS WC
FLUSH SYSTEMS

193

ELECTRONIC
FLUSH VALVES
AND FRAME SYSTEMS

203



TIME FLOW
FLUSH VALVES
AND FRAME SYSTEMS

215



ADDITIONAL
FITTINGS

234





TEMPOFIX 3 frame system with TEMPOFLUX 3 time flow direct flush system **564065 + 763030** - S21 S wall-hung WC **110310BK** - Slimline toilet seat **102819**
Toilet brush **4051BK** - Toilet roll holder **510083BK** - Coat hook **4043BK**

DIRECT FLUSH SYSTEMS, WITHOUT CISTERNS: A PUBLIC WASHROOM REVOLUTION

Not suitable for intensive use, WCs with cisterns were designed for domestic use and are a source of recurring problems in public buildings.

Susceptible to scale build-up, and noisy, they encourage the proliferation of bacteria and pose a permanent risk of leaks when used in public and commercial environments.

Performing efficiently and designed for intensive use, **WC direct flush is the only toilet installation that is built for public and commercial buildings.**

Since there is no cistern, the direct flush WC system avoids water stagnation as well as the build up of scale or impurities in the mechanism. It is, therefore, much more hygienic than WCs with a cistern, preventing the risk of bacterial development, and ensuring complete comfort for the user thanks to its **highly efficient flush.**

It connects directly to the water system, so there is no refill time, and the flush can be activated without having to wait for the cistern to fill. Perfect for **successive uses**, the WC direct flush system also has an **impressively short rinse time** (just a few seconds). Say goodbye to noisy toilets!

Developed specifically for use in public buildings, and compliant with new environmental regulations, **direct flush provides the best combination of quality/durability/price for this type of environment.**

Aware that new consumption trends linked to eco-responsibility issues have a major impact on public places, such as the service sector, DELABIE has designed a **range of direct flush systems which allow optimised water consumption** and which are also eligible for the highest levels of ecological accreditation such as BREEAM, LEED and HQE.

By removing the need for a cistern - the primary source of leaks in WCs - direct flush also reduces the waste of cold water.



TEMPOMATIC
Satin stainless steel, dual control
Ref.: 464000



TEMPOMATIC
Satin stainless steel, electronic
Ref.: 465000



TEMPOFLUX 3
Black glass, 3L/6L
Ref.: 763030



TEMPOFLUX 3
Satin stainless steel 3L/6L
Ref.: 763000



TEMPOFLUX 3
Chrome-plated metal, 3L/6L
Ref.: 763040

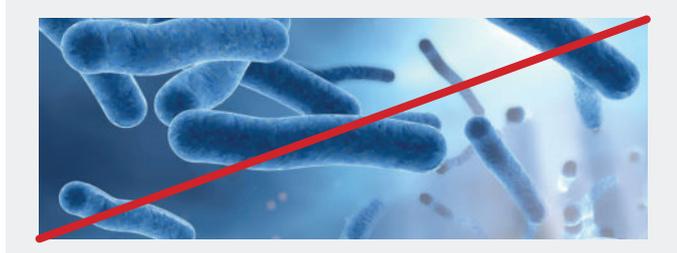


TEMPOFLUX 3
Chrome-plated metal, 6L
Ref.: 763041

WCs IN PUBLIC AND COMMERCIAL BUILDINGS: 7 REASONS TO SAY GOODBYE TO CISTERNS

Hygiene

Connected directly to the water system, **direct flush operates without a cistern**. Therefore there is no water stagnation which also avoids impurity deposits and bacterial development. Direct flush guarantees **total hygiene**.



DELABIE electronic flush systems for WCs prevent the spread of germs by hand thanks to their **touch-free control**. Also equipped with a **hygienic duty flush programme**, they renew the water in the pipework if not used for prolonged periods to limit bacterial development.



Available immediately

With direct flush **there is no need to wait** for the cistern to refill before flushing again.

Directly connected to the water system, **the flush is always available, even for successive flushes**. It is, therefore, particularly suited to **intensive use** in public places.



Water savings

DELABIE WC direct flush **optimises water consumption**. This system reduces the risk of leaks considerably, unlike cisterns which are the largest source of wasted water and which result in significant water bills.

For example, **a small leak from a cistern can lead to a loss of 220m³ of water** with a total cost of €946 per year (cost per m³ for cold water in France: €4.30, source: Centre d'Information de l'Eau and eaufrance.fr). **Therefore, direct flush prevents this unnecessary waste**.

Some DELABIE direct flush systems have a 3L/6L dual flush which can be adjusted to 2L/4L, to meet the requirements of environmental labels (see page 8).

DELABIE has developed an **"automatic intelligent flush"** programme which determines the need for a smaller or larger flush volume depending on use. This allows the correct consumption of water according to need and **prevents waste** while guaranteeing optimal cleanliness.



Limited and simplified maintenance

Designed for domestic use, cisterns have fragile mechanisms. Conversely, direct flush systems are **specifically designed for public and commercial places**. Perfectly able to withstand intensive use as well as vandalism, they are essential for public washrooms.

DELABIE mechanisms are **extremely robust**. Subjected to endurance tests, they are able to withstand over **500,000 operations**. The battery lifespan, for battery-operated versions, is 3 to 6 years depending on the frequency of use, i.e. approximately **350,000 uses**.

Maintenance on DELABIE products is, therefore, **infrequent** and is also **easy to undertake**. Maintenance access is from the front.



Space saving

Thanks to the **absence of a cistern**, direct flush allows **significant space saving**. DELABIE frame systems are also very compact, which is a real advantage for buildings seeking to optimise space.



Efficiency

Connected directly to the water system, direct flush **uses the system's water pressure** to flush the WC pan. As a result, the **flush is more powerful and more effective** compared to a cistern flush. Direct flush guarantees optimum cleanliness.



Wide, design-led range

At DELABIE, aesthetics play a major role in product development. The design must be able to **adapt to any type of environment**, as well as being both durable and reliable. This is why DELABIE offers a **wide range of WC valves**: electronic, time flow, exposed, recessed, cross wall and with or without a frame system. A variety of finishes are also available (satin, chrome, or even black glass). This wide range of DELABIE solutions allows all the requirements of public and commercial buildings to be met.



CISTERN-LESS WCs

SIZING HORIZONTAL FINAL PIPEWORK

DTU update (August 2013)

Simultaneous use

The DTU (*Unified Technical Document*) confirms the **special calculation method for direct flush valves**.

The operating time is very short (a few seconds) and there is no refill time.

So calculations for pipe diameters for direct flush systems are not made in the same ways as for cistern flush systems.

The DTU recommends the following method for direct flush valves:

| Number of valves installed | Number of valves used simultaneously |
|----------------------------|--------------------------------------|
| 3 valves | 1 valve |
| 4 to 12 valves | 2 valves |
| 13 to 24 valves | 3 valves |
| 25 to 50 valves | 4 valves |
| > 50 valves | 5 valves |

DIRECT FLUSH SYSTEMS: A RAPID RETURN ON INVESTMENT

WCs with cisterns are still often installed in public places, in particular, because the initial investment may seem lower. However, the initial saving ultimately turns out to be very costly, very quickly.

The many advantages of the WC direct flush system - improved hygiene, fewer leaks, water savings, reduced maintenance and easy servicing - very quickly make the product better value.

By switching to a direct flush system, gains can be made on several levels:

- **Fewer water leaks** (which can reach 220m³ per year per WC).
- **Fewer maintenance interventions:** there are multiple components that need to be changed regularly on cistern-flush systems such as: fragile mechanisms which cannot withstand scale, control plates that break since they are not designed for intensive use or vandalism, etc.
Direct flush valves are equipped with scale and shock-resistant mechanisms, which are guaranteed for 30 years.
- **Less labour is required** to repair leaks or carry out maintenance.

Many retirement homes, care facilities, student accommodation, etc. are currently fitted with cistern-flush WCs, because these facilities are associated with a residential setting.

However, even if the users are resident for long periods, they are still **public buildings** with the same needs as any other public building: water savings, resistance to frequent use, easy to install and maintain, etc.

Example: a retirement home with 300 beds.

With cistern-flush WCs installed:

- Mechanisms require changing every 3 years
- 2 hours of maintenance required per day to repair leaking cisterns.

Replacing cistern-flush WCs by a direct flush system:



PROJECTS FEATURING DELABIE'S DIRECT FLUSH



Louvre Museum - Lens



Brighton University - Brighton



Jean Bouin Stadium - Paris



Honda - Swindon



York Racecourse - York



Charles de Gaulle Airport - Paris



St John's University - York



Winchester College - Hampshire



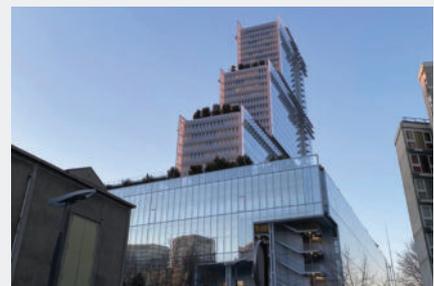
Bercaill Hotel - Wambrechies



Gravity Tower - Hong-Kong
Photo credits: ©Lagranja design + MLA Architects, Eulalia Castells



Bordet Hospital - Belgium
Photo credits: ©Roel Wijnen



Palais de justice (courthouse) - Paris
Photo credits: ©DELABIE

DIRECT FLUSH IS DESIGNED FOR INTENSIVE USE IN PUBLIC AND COMMERCIAL PLACES



CISTERNS ARE DESIGNED FOR DOMESTIC, LESS INTENSIVE USE



ADVANTAGES OF DIRECT FLUSH

Water savings

- Thanks to the direct connection onto the pipework without any intermediary, there is no need for a fragile mechanism.
- The risk of leaks is greatly reduced with this system.
- On electronic versions, an intelligent flush programme determines the optimal flush volume for perfect cleaning and reduced water consumption.

Hygiene

- The flush connects directly to the water system.
- No cistern: no water stagnation or bacterial development.
- Flushes automatically, without manual contact.
- Pipework flushes daily to prevent bacterial proliferation in the water system.

Immediate availability

- Possible to use for successive flushes without having to wait between 2 uses.
- An essential feature for periods of high traffic (e.g. motorway service stations, stadiums, concert venues, schools).

Limited and simplified maintenance

- Specifically designed for frequent use, direct flush mechanisms are durable (up to 500,000 operations) and resistant (scale-resistant mechanisms).
- Maintenance is, therefore, infrequent and the mechanism is easy to access from the front when necessary.
- 30-year warranty.

Powerful and effective flush

- Uses the pressure in the pipework to rinse the pan.
- Thanks to the powerful flush, cleaning is effective and guarantees a clean WC pan.

Space saving

- With no cistern, the frame systems with direct flush valves are more compact and can save several m² in a building.
- This space saving can optimise the profitability of a project when the price per m² is high.

DISADVANTAGES OF CISTERNS

Leaks and overconsumption of water

- Plastic mechanisms inside the tank are constantly submerged and, therefore, sensitive to scale build-up.
- They are the cause of frequent water leaks which are often invisible and inaudible and therefore detected late.
- Cisterns are the main source of wasted water. For example, a small leak from a cistern can cause a loss of 220m³ of water that equates to €946 per year.

Hygiene problems

- Cistern: up to 9L of stagnant water at an ambient temperature which encourages bacterial development.
- Bacteria can spread throughout the hydraulic installation.
- Bacteria can be projected through the air via the flush plume and inhaled by the user.

Waiting time

- The cistern has to refill between each use, which may take up to 1 minute.
- In the event of a leak (even minimal), the tank may fail to fill and cause inconvenience and lead to vandalism by users.
- Successive flushes are not possible.

Frequent maintenance and difficult to access

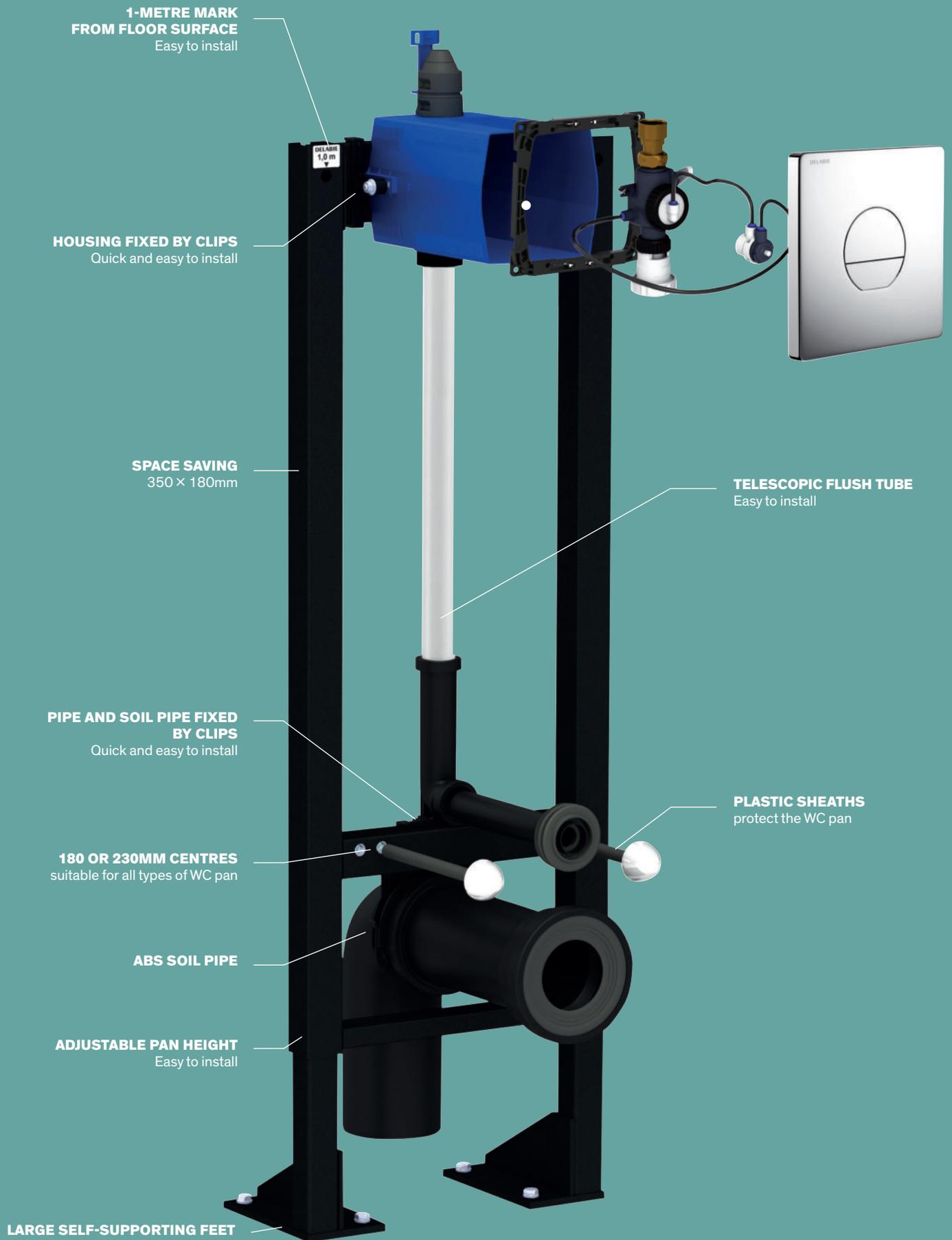
- Not designed for intensive use, the cistern's fragile mechanism is not very durable and must be changed regularly.
- Dismantling and access to the mechanism is difficult, and the bottom of the cistern remains inaccessible.
- Control plates need to be replaced frequently to compensate for careless use in public places.

Ineffective flush

- The water drop between the cistern and the WC pan is only a few centimetres.
- The flush force is not powerful enough for effective cleaning.

Large footprint

- Frame systems with cisterns take up more space and use more floor space.



WHAT ARE THE ADVANTAGES OF A TEMPOFIX 3 FRAME SYSTEM IN PUBLIC AND COMMERCIAL PLACES?

Easy to install

Installation and commissioning time should be taken into account when determining the total product cost, especially when installing a large number of products in public and commercial places.

The **TEMPOFIX 3** frame system is delivered **pre-mounted**. The remaining components (flush tube, housing and soil pipe) are assembled by clipping into place. **It is quick and easy to install.**

When fixing the **self-supporting** TEMPOFIX 3 version of the frame system, the floor quality is the main criteria: the concrete floor should withstand a minimum load of 350kg/m³.

It is possible to install on non-load bearing floors (parquet, floors with underfloor heating, etc.) thanks to the wall-mounted model which is fixed to load-bearing walls.

DELABIE recommends a 25mm minimum wall thickness + tiling (= 2 x ½" wall boards or 1 x 1" wall board).

Easy to adjust

Adjusting the pan height is simple: a mark indicates the "1-metre" point from the finished floor level on the frame system.

Vandal-resistant

The structure of DELABIE's frame system is made from powder-coated steel. Its design provides it with an unrivalled resistance to deformation.

The French standard NF D12-208 requires that frame systems flex no more than 5mm when subjected to a uniformly distributed load of 400kg.

The TEMPOFIX 3 withstands 400kg loads and therefore meets this requirement.

It is delivered with large stable feet (for self-supporting installation) or with wall fixings (for wall-mounted installation).

All of DELABIE's WC system control plates are fixed to the frame (via concealed screws), enhancing durability and preventing unwanted removal.

Optimised for stocking

Reduced frame weight and product packaging save space for storage and are an advantage for being kept on construction sites.

Advantages of wall-hung WCs

The height of the pan can be adjusted to suit the needs of the user, from children to people with reduced mobility.

A wall-hung WC allows easy access to clean the floor below the WC pan.

Space saving

On average the TEMPOFIX 3 takes up **30% less space** than other frame systems on the market. It is one of the most compact frame systems.

With no need for a cistern, it can be installed in the tightest of places such as service ducts.

The wall-anchoring bolts enable two TEMPOFIX 3 to be fixed back-to-back in a communal service duct (in Ladies and Gents toilets) without the need for a partition wall.

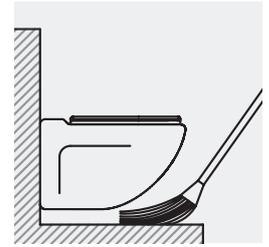
Products suited to the needs of public and commercial places

Increasingly in public and commercial places, plasterboard walls are being replaced by gypsum blocks, brick, or even cinder blocks in order to improve the durability of the installations.

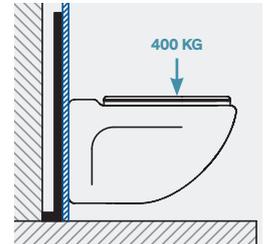
The TEMPOFIX 3, equipped with a new waterproof recessing housing, functions electronically (TEMPOMATIC dual control) or with timed flow (TEMPOFLUX 3), and the one model can **adjust to any type of wall finish from 10 - 120mm.**

DELABIE has developed its range of TEMPOFLUX 2 direct flush valves, offering extended versions of the valves and frames so that they can be adjusted to **thicker walls up to 130mm.**

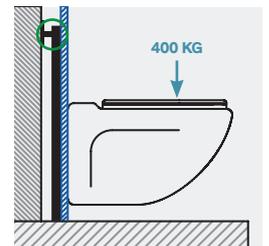
Such an innovative installation would prove difficult to achieve with cisterns.



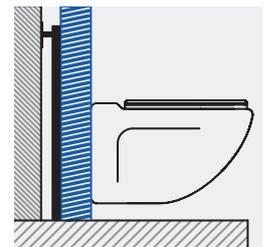
Easy to clean



Self-supporting TEMPOFIX 3



Wall-mounted TEMPOFIX 3



TEMPOFIX 3 for thick walls

TEMPOFIX 3 and its innovative recessed housing, A SINGLE PRODUCT for wall thicknesses from 10 - 120mm





Recessed TEMPOMATIC dual control electronic direct flush valve **464PBOX + 464006**
BCN S wall-hung WC **110110** - Slimline toilet seat **102419** - Toilet roll holder **510083S** - Toilet brush set **4051S**



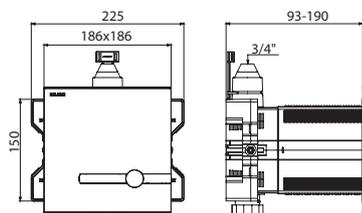
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Hygiene:** automatic flush, no cistern: no water stagnation (reduces bacterial development)
- **Comfort:** voluntary activation (push-button) or automatic flush (without contact)
- **Easy to install:** modular and adjustable waterproof housing (for walls and finishes)

TEMPOMATIC dual control

Recessed electronic direct flush valve



- **Cistern-less flush system:** directly connected to pipework.
- **Battery-operated with CR123 6V Lithium batteries** or **230/6V mains supply** (cable and transformer supplied).
- **Satin finish stainless steel control plate 186 × 186mm** and chrome-plated metal button **with integrated electronics.**
- **Waterproof recessing housing:**
 - Collar with waterproof seal.
 - Hydraulic connection from the outside and maintenance from the front.
 - Adjusts to all types of installation (rails, solid walls, panels).
 - Compatible with wall finishes 10 - 120mm (while maintaining the minimum recessing depth of 93mm).
 - Suitable for standard or "pipe-in-pipe" supply.
 - Stopcock and flow rate adjustment, activation and electronic unit are all integrated and accessible from the front.
 - TEMPOMATIC F $\frac{3}{4}$ " flush valve is compatible with sea water, rain water and grey water.
 - Vacuum breaker inside the housing.
 - Supplied in 2 kits: secure system flush without sensitive elements.
- Shock-resistant infrared presence detection sensor.
- **Detection delay is 10 seconds.**
- **Voluntary activation** (anti-blocking push-button) or **automatically** when the user leaves.
- Independent push-button: the flush will activate even if the power supply fails.
- **"Intelligent" automatic rinsing:** flush volume adapts according to use.
- **3 programmes** (rinse volume can be set according to type of WC pan).
- **Hygienic duty flush**, every 24 hours (can be adjusted to 12 hours or OFF) after the last use.
- Outlet connection for PVC tube \varnothing 26/32mm.
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Suitable for rimless WC pans without flow rate regulation and suitable for people with reduced mobility.
- 30-year warranty.



464PBOX + 464006

TEMPOMATIC dual control recessed WC flush valve in a waterproof housing

| | |
|---------------------|---------------------|
| 6V battery-operated | 464PBOX + 464006 |
| 230/6V mains supply | 464SBOX + 464000 |

We recommend a flush tube (see page 234)





- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Specifically designed for public and commercial places:** space saving, easy to clean, withstands intensive use
- **Easy to install:** frame system delivered pre-mounted, clip into place assembly
- **Hygiene:** automatic flush, no cistern: no water stagnation (reduces bacterial development)

TEMPOFIX 3 with TEMPOMATIC dual control

Frame system with electronic WC flush valve



- Black powder-coated steel frame.
- Frame height can be adjusted from 0 - 200mm (with 1m mark).
- Waterproof recessing housing.
- Ø 32mm flush tube with Ø 55mm connection washer.
- ABS soil pipe Ø 100mm outlet with waterproof seal, with 2 setting positions.
- Delivered pre-mounted.
- **Compatible with solid wall finishes from 10 - 120mm.**

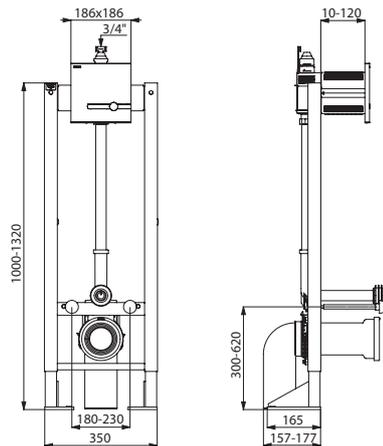
Available in 2 versions:

Self-supporting frame system with large feet to fix to load-bearing floors.
Wall-mounted frame system to fix to load-bearing walls.

Fitted with TEMPOMATIC dual control F^{3/4}" electronic direct flush valve:

- **Cistern-less flush system:** directly connected to pipework.
- Battery-operated with CR123 6V Lithium batteries or 230/6V mains supply (cable and transformer supplied).
- Satin finish stainless steel control plate 186 × 186mm and chrome-plated metal button with integrated electronics.
- Detection delay is 10 seconds.
- **Voluntary activation** (anti-blocking push-button) or **automatically** when the user leaves.
- **"Intelligent" automatic rinsing:** flush volume adapts according to use.
- **3 programmes** (rinse volume can be set according to type of WC pan).
- **Hygienic duty flush**, every 24 hours (can be adjusted to 12 hours or OFF) after the last use.
- Vacuum breaker inside the housing.
- Integrated stopcock and flow rate adjuster.
- Compatible with sea water, rain water and grey water.
- Suitable for people with reduced mobility.
- 30-year warranty.

CISTERN-LESS WCs



| TEMPOFIX 3 WC frame system with TEMPOMATIC dual control | |
|---------------------------------------------------------|----------------------------------|
| Self-supporting model - 6V battery-operated | 564065 + 464006 |
| Self-supporting model - 230/6V mains supply | 564005 + 464000 |
| Wall-mounted version - 6V battery-operated | 564060 + 464006 |
| Wall-mounted version - 230/6V mains supply | 564000 + 464000 |

For Ø 90mm (or 110mm) soil pipe outlet versions: add "BE" (or "DE") after the reference for kit 1

Options: wall fixings, sleeve connector and kit for disabled WC (see page 235)

564065 + 464006

TEMPOMATIC DUAL CONTROL RECESSED: 100% WATERPROOF RECESSED HOUSING, MODULAR AND ADAPTABLE

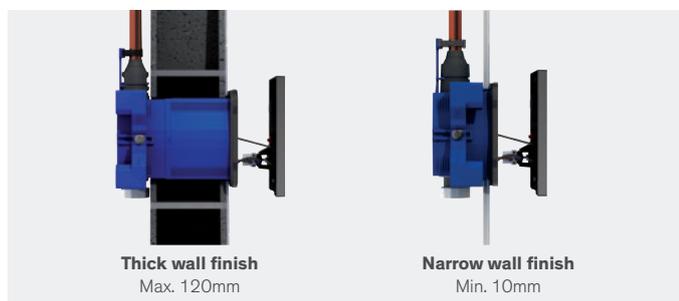
Modular

Attaches via the sides, front or back, DELABIE's recessed housing can be used on [plasterboard rails](#), on [load-bearing walls](#) or even [thin panels](#), the installation is therefore modular, adapting to the type of project.



Adaptable

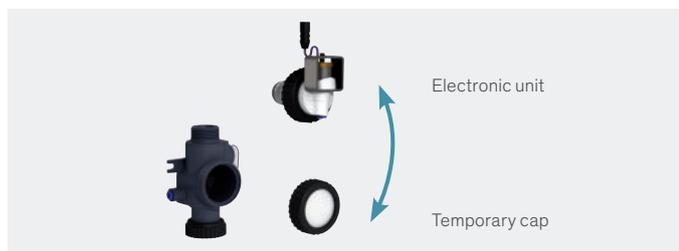
The collar can be positioned to allow the housing to be cut to size lengthwise depending on the wall thickness whilst still guaranteeing complete waterproofing. [Thin or thick](#), the housing adapts to all the requirements of walls from 10 to 120mm.



Quick and easy to install

The TEMPOMATIC dual control can be connected to a standard "pipe-in-pipe" supply. The hydraulic connection is made from the outside of the housing.

During the installation, the electronic unit is replaced by a temporary cap to [flush the system safely](#), without damaging the technical elements.



Water savings

DELABIE has developed an ["intelligent" rinse function](#) in the automatic mode. The system can distinguish between the need for a short rinse (2 to 3 litres) or a longer flush (4 to 6 litres).

100% waterproof

Standard housings on the market are designed to be cut to size flush to the wall, which increases the risk of leaks between the wall and the collar.

DELABIE's recessed housing is equipped with a collar with an [integrated seal](#), that clips onto the housing once the wall finish is in place (patented system). [It is completely waterproof without silicone](#). Any condensation is evacuated via the plate. [The wall stays intact throughout](#).



Resistant to intensive use and vandalism

The control plate, made from satin finish stainless steel will withstand even the most extreme handling. Its fixings are concealed and its streamlined design prevents unwanted removal.

To prevent abuse or waste in the voluntary mode, the TEMPOMATIC dual control is fitted with an [AB anti-blocking system](#). This security feature prevents the valve from being blocked in the open position. The flush takes place only when the push-button is released.

Minimal servicing and simple to maintain

[Maintenance is carried out from the front](#) by simply removing the control plate. The technical elements are accessible and spare parts come [pre-assembled](#).

An [LED](#) indicates when the [batteries need to be replaced](#). Integrated in the plate, they can be replaced [without shutting off the water or removing the valve](#).

The [vacuum breaker](#) is located inside the housing. In case of backflow, the water will evacuate in front of the wall via the housing, and not behind (or into) the wall.

The TEMPOMATIC dual control is suitable for grey water, rain water and sea water.

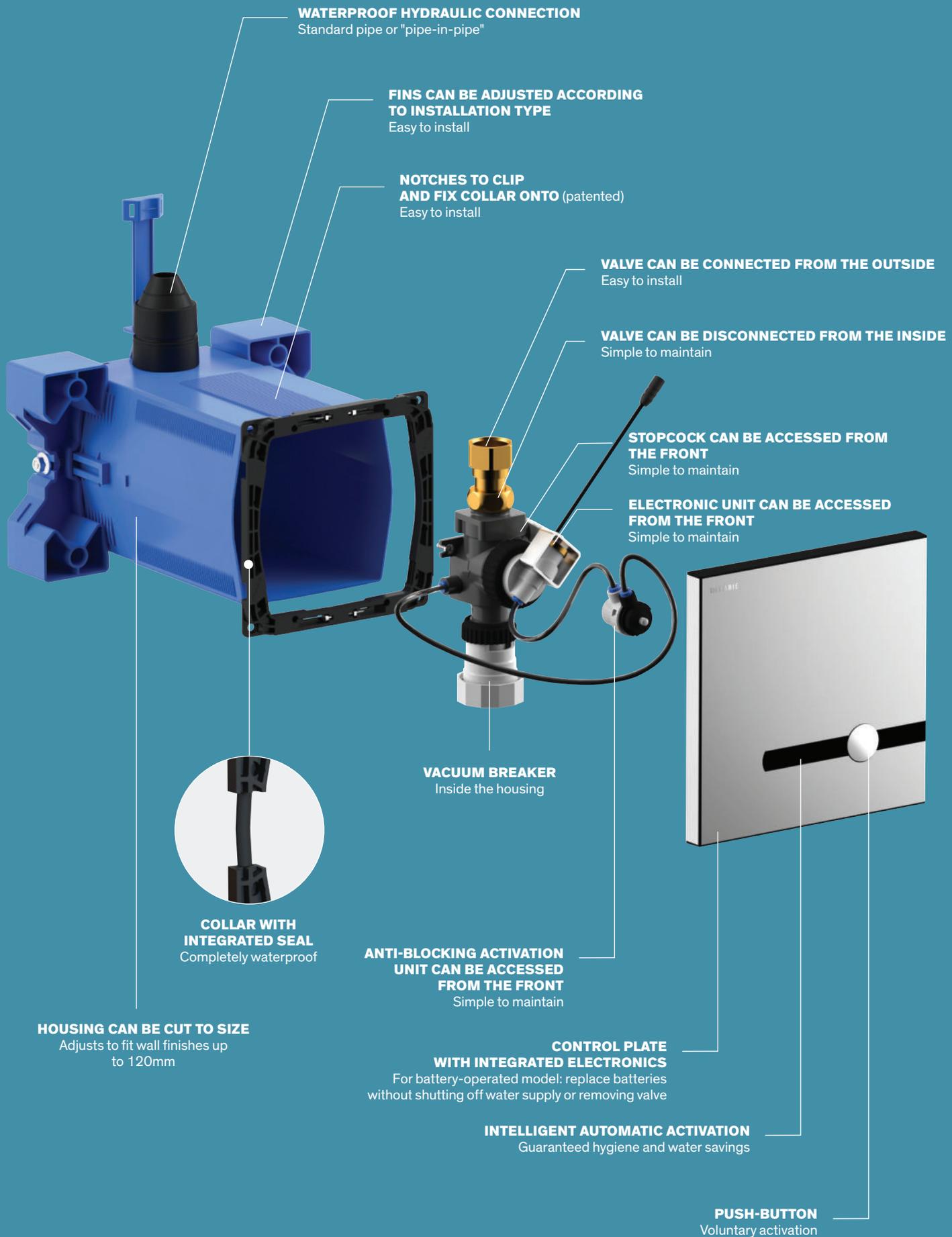
Making protection from frost and in-depth maintenance easier, [the valve can be disconnected and removed from the inside](#), without removing the housing.

Hygiene

The TEMPOMATIC dual control [flush](#) can be activated voluntarily via the push-button, or [automatically when the user leaves](#). This dual control guarantees [permanent hygiene for the WC pan](#), even if the user forgets or neglects to flush the WC. The [duty flush](#) prevents bacterial proliferation and ensures that the pipework is flushed every 24 hours when not in use.

Design

The TEMPOMATIC dual control plate has a [timeless design](#), available in satin finish stainless steel with a chrome-plated metal push-button. Thanks to its [sleek lines](#), it fits perfectly in any type of public and commercial building. Its smooth surface limits the build-up of dirt and facilitates cleaning. This new concept combines [design and functionality](#): the electronics are integrated directly in the control plate.



WATERPROOF HYDRAULIC CONNECTION
Standard pipe or "pipe-in-pipe"

FINS CAN BE ADJUSTED ACCORDING TO INSTALLATION TYPE
Easy to install

NOTCHES TO CLIP AND FIX COLLAR ONTO (patented)
Easy to install

VALVE CAN BE CONNECTED FROM THE OUTSIDE
Easy to install

VALVE CAN BE DISCONNECTED FROM THE INSIDE
Simple to maintain

STOPCOCK CAN BE ACCESSED FROM THE FRONT
Simple to maintain

ELECTRONIC UNIT CAN BE ACCESSED FROM THE FRONT
Simple to maintain

VACUUM BREAKER
Inside the housing



COLLAR WITH INTEGRATED SEAL
Completely waterproof

ANTI-BLOCKING ACTIVATION UNIT CAN BE ACCESSED FROM THE FRONT
Simple to maintain

HOUSING CAN BE CUT TO SIZE
Adjusts to fit wall finishes up to 120mm

CONTROL PLATE WITH INTEGRATED ELECTRONICS
For battery-operated model: replace batteries without shutting off water supply or removing valve

INTELLIGENT AUTOMATIC ACTIVATION
Guaranteed hygiene and water savings

PUSH-BUTTON
Voluntary activation



TEMPOMATIC dual control electronic direct flush system remote **464306** - Drop-down support rail **511964C**
Straight grab bar **511905C** - Toilet roll holder **511965C**



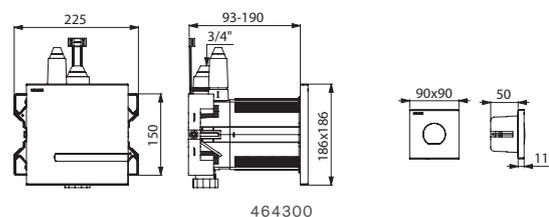
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Hygiene:** automatic flush, no cistern: no water stagnation (reduces bacterial development)
- **Comfort:** suitable for WCs for people with reduced mobility, touch-free automatic flush or by pushing side control
- **Easy to install:** modular and adjustable waterproof housing

TEMPOMATIC dual control remote

Recessed electronic direct flush valve



- **Cistern-less flush system:** directly connected to pipework.
- **Battery-operated with CR123 Lithium 6V batteries** or **230/6V mains supply** (cable and transformer supplied).
- Satin stainless steel **electronic control plate** 186 × 186mm.
- Satin stainless steel **time flow control plate** with chrome-plated button 90 × 90mm.
- **Recessed waterproof housing:**
 - Collar with waterproof seal.
 - Hydraulic connection from the outside and maintenance from the front.
 - Adjusts to all types of installation (rails, solid walls, panels).
 - Compatible with wall finishes from 10 to 120mm (while maintaining the minimum recessing depth of 93mm).
 - Suitable for standard or "pipe-in-pipe" supply.
 - Stopcock and flow rate adjustment are integrated and accessible from the front.
 - TEMPOMATIC F $\frac{3}{4}$ " valve compatible with sea water, rain water and grey water.
 - Vacuum breaker inside the housing.
- Shock-resistant infrared presence detection sensor.
- **Detection delay is 10 seconds.**
- **Touch-free automatic activation** when the user leaves or **voluntary** by pressing the side control.
- **AB anti-blocking system:** water will flow only when the push-button is released.
- **"Intelligent" automatic rinsing:** flush volume adapts according to use.
- **3 programmes** (rinsing volume can be set according to type of WC pan).
- **Hygienic duty flush** every 24 hours (can be adjusted to 12 hours or OFF) after the last use.
- Outlet connection for PVC tube \varnothing 26/32mm.
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Suitable for rimless pans without flow rate regulation and suitable for people with reduced mobility.
- 30-year warranty.



TEMPOMATIC WC dual control remote

| | |
|---------------------|---------------|
| 6V battery-operated | 464306 |
| 230/6V mains supply | 464300 |

We recommend a flush tube (see page 234)



TEMPOFIX 3 frame system with TEMPOMATIC Connect electronic direct flush system **564005 + 465000** - S21 S wall-hung WC **110310**
Toilet brush set **4051S** - Toilet roll holder **510083S**



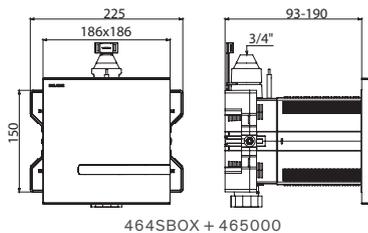
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Hygiene:** touch-free automatic flush, no cistern: no water stagnation (reduces bacterial development)
- **Comfort:** touch-free automatic flush
- **Easy to install:** modular and adjustable waterproof housing or on frame system

TEMPOMATIC Connect

Recessed electronic direct flush valve



- **Cistern-less flush system:** directly connected to pipework.
- Battery-operated with **CR123 Lithium 6V batteries** or **230/6V mains supply** (cable and transformer supplied).
- **Satin stainless steel control plate 186 × 186mm.**
- **Waterproof recessing housing:**
 - Collar with waterproof seal.
 - Hydraulic connection from the outside and maintenance from the front.
 - Adjusts to all types of installation (rails, solid walls, panels).
 - Compatible with wall finishes 10 - 120mm (while maintaining the minimum recessing depth of 93mm).
 - Suitable for standard or "pipe-in-pipe" supply.
 - Stopcock and flow rate adjustment, activation and electronic unit are all integrated and accessible from the front.
 - TEMPOMATIC F¾" flush valve is compatible with sea water, rain water and grey water.
 - Vacuum breaker inside the housing.
 - Supplied in 2 kits: secure system flush without sensitive elements.
- Shock-resistant infrared presence detection sensor.
- **Detection delay is 10 seconds.**
- **Touch-free automatic activation** when the user leaves or **voluntary touch-free** (when hand is moved 4cm from the sensor).
- **"Intelligent" automatic rinsing:** flush volume adapts according to use.
- **Hygienic duty flush**, every 24 hours (can be adjusted to 12 hours or OFF) after the last use.
- **Bluetooth® setting** with the DELABIE Connect app.
- Outlet connection for PVC tube Ø 26/32mm.
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Suitable for rimless pans without flow rate regulation and suitable for people with reduced mobility.
- 30-year warranty.



464SBOX + 465000

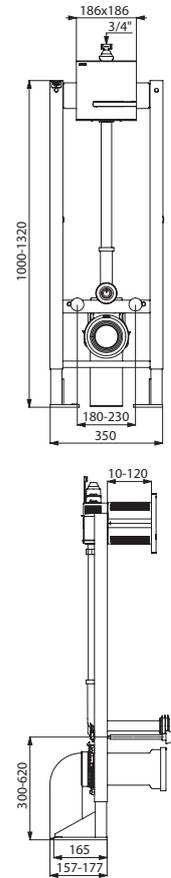
Provisional availability: 1st half 2025.
Please contact the sales office to check availability.

| TEMPOMATIC Connect WC recessed in waterproof housing | |
|------------------------------------------------------|-----------------------------|
| 6V battery-operated | 464PBOX + 465006 |
| 230/6V mains supply | 464SBOX + 465000 |

We recommend a flush tube (see page 234)

TEMPOFIX 3 with TEMPOMATIC Connect

Frame system with electronic flush valve



564005 + 465000

- Black powder-coated steel frame.
- Frame height can be adjusted from 0 - 200mm (with 1m mark).
- Ø 32mm flush tube with Ø 55mm connection washer.
- ABS soil pipe Ø 100mm outlet with waterproof seal, with 2 setting positions.
- Delivered pre-mounted.
- **Compatible with solid wall finishes from 10 - 120mm.**
- 30-year warranty.

Available in 2 versions:

Self-supporting frame system with large feet to fix to load-bearing floors.
Wall-mounted frame system to fix to load-bearing walls.

Fitted with TEMPOMATIC Connect electronic flush valve (see opposite).

Provisional availability: 1st half 2025.
Please contact the sales office to check availability.

| TEMPOFIX 3 WC frame system with TEMPOMATIC Connect | |
|----------------------------------------------------|----------------------------|
| Self-supporting frame system - 6V battery-operated | 564065 + 465006 |
| Self-supporting frame system - 230/6V mains supply | 564005 + 465000 |
| Wall-mounted frame system - 6V battery-operated | 564060 + 465006 |
| Wall-mounted frame system - 230/6V mains supply | 564000 + 465000 |

For Ø 90mm (or 110mm) soil pipe outlet versions: add "BE" (or "DE") after the reference for kit 1

Options: wall fixings, sleeve connector and kit for disabled WC (see page 235)



TEMPOMATIC electronic direct flush valve **463030** - S21 S wall-hung WC **110310**
Jumbo toilet paper dispenser **2912** - Toilet brush set **4051S**



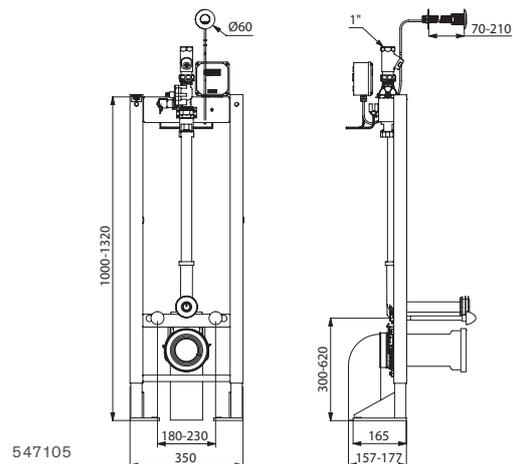
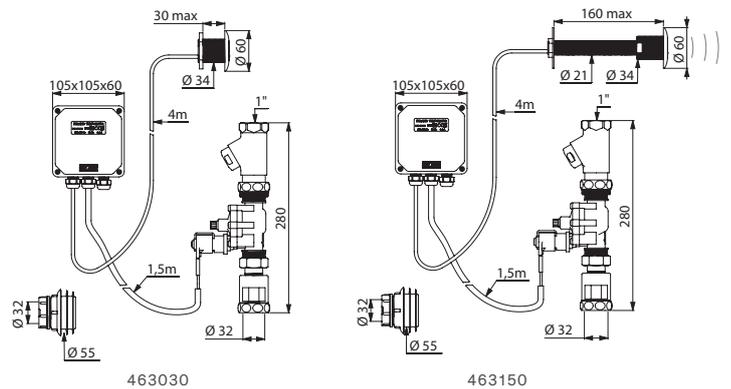
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Hygiene:** automatic flush with no manual contact, no cistern: no water stagnation (reduces bacterial development)
- **Comfort:** voluntary activation or automatic flush
- **Vandal-resistant:** cross wall installation or on frame system, concealed fixings

TEMPOMATIC

Cross wall electronic flush valve



- **Cistern-less flush system:** directly connected to pipework.
- Mains supply with 1" solenoid valve.
- 230/12V transformer.
- IP65 independent electronic unit.
- **For cross wall installation.**
- Shock-resistant infrared presence detection sensor.
- **Touch-free automatic activation** when the user leaves or **voluntary touch-free** (when hand is moved 4cm from the sensor).
- **Time flow ~7 seconds**, can be adjusted from 3 - 12 seconds.
- **Detection distance, flow rate and flush volume can be adjusted.**
- Stopcock FF1".
- Vacuum breaker Ø 32mm.
- Connection washer Ø 32/55mm.
- Wall plate flush to the wall.
- Threaded rod can be cut to size.
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Compatible with rain water.
- **Available without stopcock or backflow prevention device, for sea water compatible versions.**
- Suitable for rimless pans without flow rate regulation and suitable for people with reduced mobility.
- 30-year warranty.



| TEMPOMATIC WC cross wall flush valve | |
|---------------------------------------------------------------|----------|
| For walls ≤ 30mm | 463030 |
| For walls ≤ 30mm, sea water compatible | 463030HK |
| For walls ≤ 160mm | 463150 |
| TEMPOFIX 3 WC self-supporting frame system with TEMPOMATIC WC | |
| | 547105 |

Alternative cross wall lengths available on request



Recessed TEMPOFLUX 3 time flow direct flush system **763BOX + 763040** - S21 S wall-hung WC **110310** - Slimline toilet seat **102819**
Toilet roll holder **510567** - Toilet brush set **4051S**



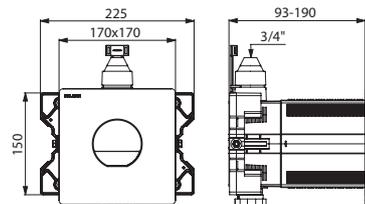
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly, dual flush 3L/6L
- **Hygiene:** no cistern: no water stagnation (reduces bacterial development)
- **Comfort:** soft-touch operation, low acoustic level complies with European standard EN 12541 class II
- **Easy to install:** modular and adjustable waterproof housing (for walls and finishes)

TEMPOFLUX 3

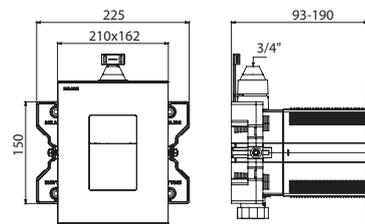
Recessed time flow direct flush valve



- **Cistern-less flush system:** directly connected to pipework.
- **Chrome-plated metal control plate 170 × 170mm, satin stainless steel 210 × 162mm, or black tempered glass 205 × 190mm.**
- **Waterproof recessing housing:**
 - Collar with waterproof seal.
 - Hydraulic connection from the outside and maintenance from the front.
 - Adjusts to all types of installation (rails, solid walls, panels).
 - Compatible with wall finishes 10 - 120mm (while maintaining the minimum recessing depth of 93mm).
 - Suitable for standard or "pipe-in-pipe" supply.
 - Stopcock and flow rate adjustment, activation unit and cartridge are all integrated and accessible from the front.
 - TEMPOFLUX 3 F^{3/4}" flush valve is compatible with sea water, rain water and grey water.
 - Vacuum breaker inside the housing.
 - Supplied in 2 kits: secure system flush without sensitive elements.
- **Soft-touch operation.**
- **AB anti-blocking system:** water only flows when push-button is released.
- **Dual flush 3L/6L, can be adjusted to 2L/4L** or single flush 6L.
- Outlet connection for PVC tube Ø 26/32mm.
- Acoustic level complies with European standard EN 12541 class II.
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Suitable for rimless WC pans without flow rate regulation and suitable for people with reduced mobility.
- 30-year warranty.



763BOX + 763040



763BOX + 763000



| TEMPOFLUX 3 WC recessed in waterproof housing | |
|-------------------------------------------------|------------------------|
| Chrome-plated metal control plate, dual flush | 763BOX + 763040 |
| Chrome-plated metal control plate, single flush | 763BOX + 763041 |
| Satin stainless steel control plate, dual flush | 763BOX + 763000 |
| Black glass control plate, dual flush | 763BOX + 763030 |

We recommend a flush tube (see page 234)



TEMPOFIX 3 WC frame system with TEMPOFLUX 3 time flow direct flush system **564065 + 763000** - S21 S wall-hung WC **110310** - Toilet brush set **4051S**
Toilet paper dispenser **2912** - Coat hook **4043P**



- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly, dual flush 3L/6L
- **Specifically designed for public and commercial places:** space saving, easy to clean, withstands intensive use
- **Easy to install:** frame system delivered pre-mounted, clip into place assembly
- **Hygiene:** no cistern: no water stagnation (reduces bacterial development)

TEMPOFIX 3 with TEMPOFLUX 3

Frame system with time flow flush valve



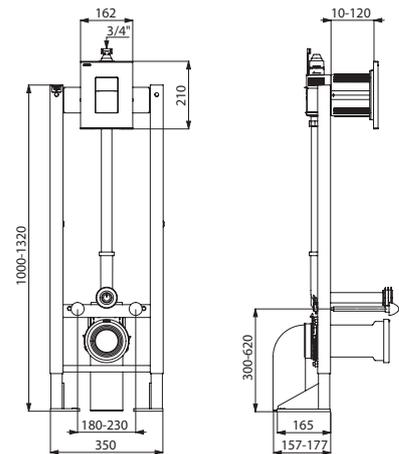
- Black powder-coated steel frame.
- Frame height can be adjusted from 0 - 200mm (with 1m mark).
- Waterproof recessing housing.
- Ø 32mm flush tube with Ø 55mm connection washer.
- ABS soil pipe Ø 100mm outlet with waterproof seal, with 2 setting positions.
- Delivered pre-mounted.
- **Compatible with solid wall finishes from 10 - 120mm.**

Available in 2 versions:

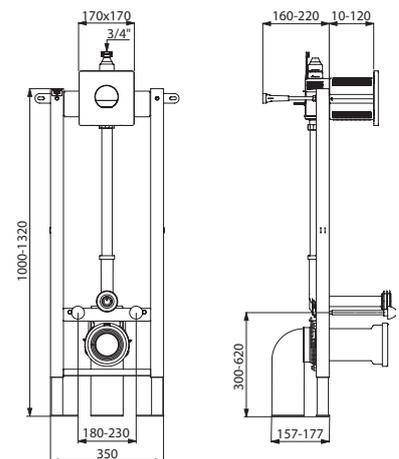
Self-supporting frame system with large feet to fix to load-bearing floors.
Wall-mounted frame system to fix to load-bearing walls.

Fitted with TEMPOFLUX 3 F^{3/4}" time flow direct flush valve:

- Satin stainless steel control plate 210 × 162mm, chrome-plated metal 170 × 170mm or black tempered glass 205 × 190mm.
- **Soft-touch operation.**
- **Dual flush 3L/6L, can be adjusted to 2L/4L or single flush 6L.**
- **AB anti-blocking system.**
- Vacuum breaker inside the housing.
- Integrated stopcock and flow rate adjuster.
- Acoustic level complies with European standard EN 12541 class II.
- Compatible with sea water, rain water and grey water.
- Suitable for people with reduced mobility.
- 30-year warranty.



564065+ 763000



564060 + 763040

| TEMPOFIX 3 WC frame system with TEMPOFLUX 3 | |
|---------------------------------------------------|--------------------|
| Satin finish stainless steel control plate | |
| Self-supporting model, dual flush | 564065 + 763000 |
| Wall-mounted model, dual flush | 564060 + 763000 |
| Chrome-plated metal control plate | |
| Self-supporting model, dual flush | 564065 + 763040 |
| Wall-mounted model, dual flush | 564060 + 763040 |
| Self-supporting model, single flush | 564065 + 763041 |
| Wall-mounted model, single flush | 564060 + 763041 |
| Black glass control plate | |
| Self-supporting model, dual flush | 564065 + 763030 |
| Wall-mounted model, dual flush | 564060 + 763030 |

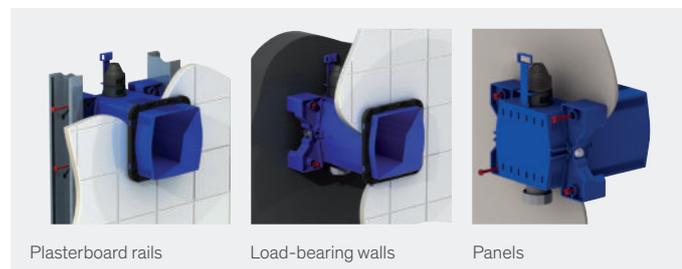
For Ø 90mm (or 110mm) soil pipe outlet versions: add "BE" (or "DE") after the reference for kit 1

Options: wall fixings, sleeve connector and kit for disabled WC (see page 235)

TEMPOFLUX 3 RECESSED: 100% WATERPROOF RECESSED HOUSING, MODULAR AND ADAPTABLE

Modular

Attaches via the sides, front or back, DELABIE's recessed housing can be used on [plasterboard rails](#), on [load-bearing walls](#) or even [thin panels](#), the installation is therefore modular, adapting to the type of project.



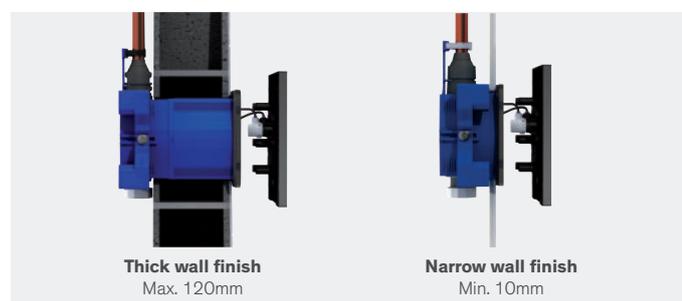
Plasterboard rails

Load-bearing walls

Panels

Adaptable

The collar can be positioned to allow the housing to be cut to size lengthwise depending on the wall thickness whilst still guaranteeing complete waterproofing. [Thin or thick, the housing adapts to all the requirements of walls from 10 to 120mm.](#)



Thick wall finish
Max. 120mm

Narrow wall finish
Min. 10mm

Quick and easy to install

The TEMPOFLUX 3 can be connected to a standard "pipe-in-pipe" supply. The hydraulic connection is made from the outside of the housing.

During installation, the cartridge is replaced by a temporary cap to [flush the system safely](#), without damaging the technical elements.



Cartridge

Temporary cap

Water savings

The TEMPOFLUX 3 with [3L/6L dual flush](#) optimises flushing and water consumption. The flush volume can be adjusted to [2L/4L](#), to achieve the highest standards for environmental labels. [For more information see page 8.](#)

The [AB anti-blocking device](#) controls the flush volume regardless of how long the push-button is pressed for.

100% waterproof

Standard housings on the market are designed to be cut to size flush to the wall, which increases the risk of leaks between the wall and the collar.

DELABIE's recessed housing is equipped with a collar with an [integrated seal](#), that clips onto the housing once the wall finish is in place (patented system).

[It is completely waterproof without silicone.](#) Any condensation is evacuated via the plate. [The wall stays intact throughout.](#)



Collar with integrated waterproof seal

Resistant to intensive use and vandalism

The control plate, made from satin finish stainless steel will withstand even the most extreme handling. Its fixings are concealed and its streamlined design prevents unwanted removal.

To prevent abuse or waste, the TEMPOFLUX 3 is fitted with an [AB anti-blocking system](#). This security feature prevents the valve from being blocked in the open position. The flush takes place only when the push-button is released.

Minimal servicing and simple to maintain

[Maintenance is carried out from the front](#) by simply removing the control plate. The technical elements are accessible and spare parts come [pre-assembled](#).

The flush volume can be adjusted directly behind the control plate, without shutting off the water supply or removing the valve.

The [vacuum breaker](#) is located inside the housing.

In case of backflow, the water will evacuate in front of the wall via the housing, and not behind (or into) the wall.

The TEMPOFLUX 3 is suitable for grey water, rain water and sea water.

Making protection from frost and in-depth maintenance easier, [the valve can be disconnected and removed from the inside](#), without removing the housing.

Comfort

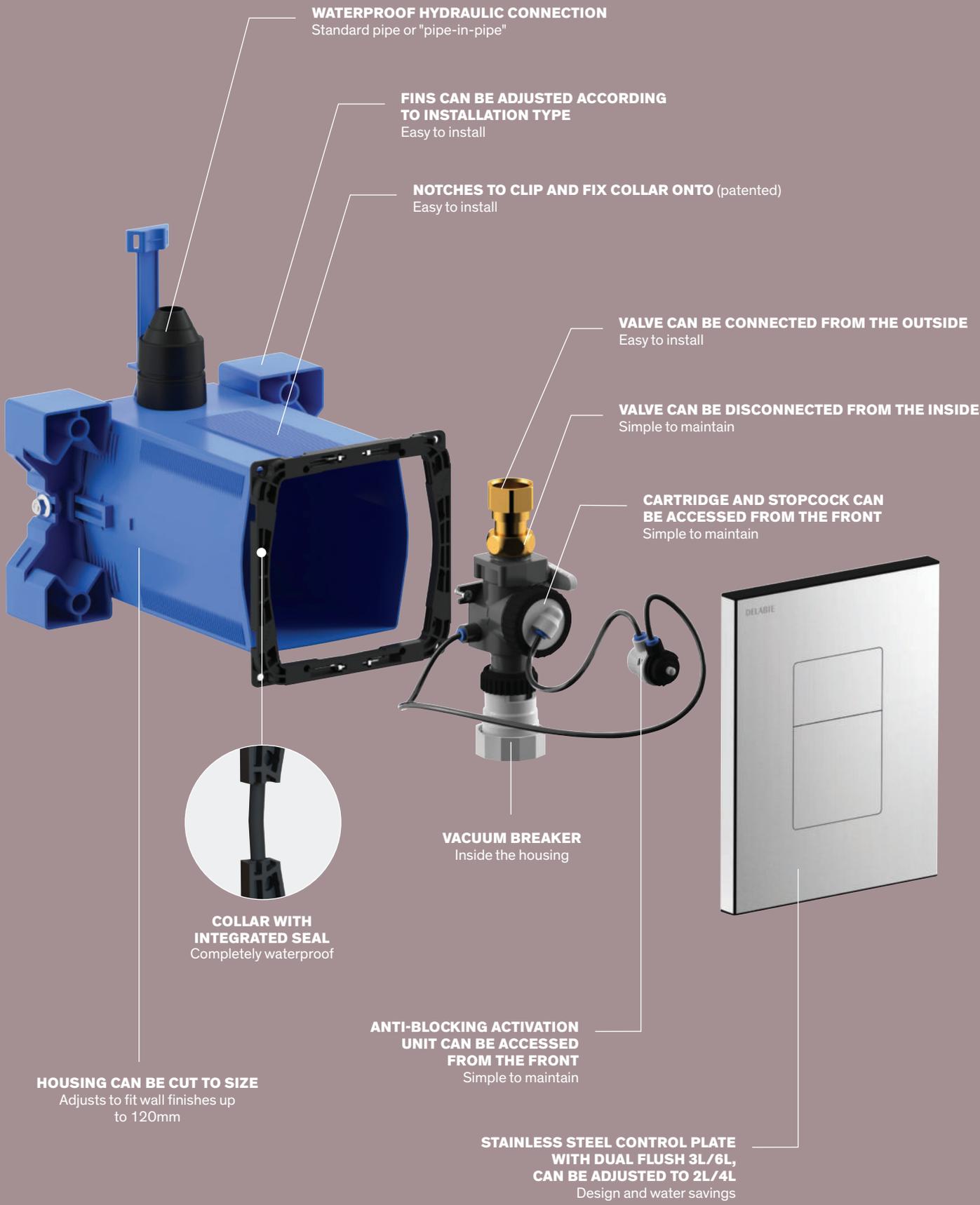
Thanks to its [soft-touch operation](#), the TEMPOFLUX 3 can be used by all users (children, the elderly or people with reduced mobility).

The [acoustic level is low](#) and complies with European standard EN 12541 class II.

Design

The TEMPOFLUX 3 control plate has a [timeless design](#) available in 3 finishes: [satin finish stainless steel, chrome-plated metal or black glass](#).

Thanks to its sleek lines, it fits perfectly in any type of public or commercial building. Its smooth surface limits the build-up of dirt and facilitates cleaning.



WATERPROOF HYDRAULIC CONNECTION
Standard pipe or "pipe-in-pipe"

FINS CAN BE ADJUSTED ACCORDING TO INSTALLATION TYPE
Easy to install

NOTCHES TO CLIP AND FIX COLLAR ONTO (patented)
Easy to install

VALVE CAN BE CONNECTED FROM THE OUTSIDE
Easy to install

VALVE CAN BE DISCONNECTED FROM THE INSIDE
Simple to maintain

CARTRIDGE AND STOPCOCK CAN BE ACCESSED FROM THE FRONT
Simple to maintain

VACUUM BREAKER
Inside the housing



COLLAR WITH INTEGRATED SEAL
Completely waterproof

HOUSING CAN BE CUT TO SIZE
Adjusts to fit wall finishes up to 120mm

ANTI-BLOCKING ACTIVATION UNIT CAN BE ACCESSED FROM THE FRONT
Simple to maintain

STAINLESS STEEL CONTROL PLATE WITH DUAL FLUSH 3L/6L, CAN BE ADJUSTED TO 2L/4L
Design and water savings



TEMPOFIX 3 WC fire retardant frame system with TEMPOFLUX 3 time flow direct flush 565065 + 763000 - Toilet brush set 4051P - Toilet roll holder 510082S
Double coat hook 4042P



- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly, dual flush 3L/6L
- **Fire resistance:** fire retardant 60 minutes
- **Specifically designed for public and commercial places:** space saving, easy to clean, withstands intensive use
- **Easy to maintain and install:** pre-mounted frame system, service duct isn't required for maintenance

TEMPOFIX 3 with TEMPOFLUX 3

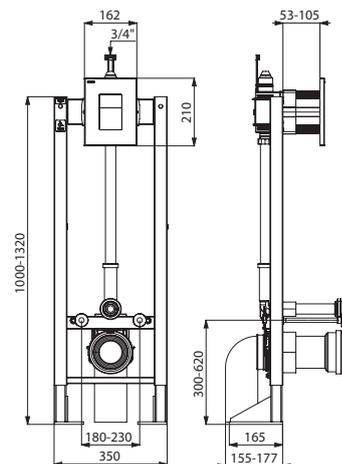
Fire retardant frame system with time flow direct flush valve



- Black powder-coated self-supporting steel frame with large feet for load-bearing floors.
- **Fire retardant 60 minutes** (tested according to norm ISO 834).
- Frame height can be adjusted from 0 - 200mm (with 1m mark).
- Waterproof recessing housing with intumescent collar and fire protection set.
- Ø 32mm flush tube with Ø 55mm connection washer.
- ABS soil pipe Ø 100mm outlet with waterproof seal, with 2 setting positions.
- Delivered pre-mounted.
- **Compatible with solid walls from 53 to 105mm.**

Fitted with TEMPOFLUX 3 F¾" time flow direct flush valve:

- Satin stainless steel control plate 210 × 162mm.
- **Soft-touch operation.**
- **Dual flush 3L/6L, can be adjusted to 2L/4L.**
- **AB anti-blocking system.**
- Vacuum breaker inside the housing.
- Integrated stopcock and flow rate adjuster.
- Acoustic level complies with European standard EN 12541 class II.
- Compatible with sea water, rain water and grey water.
- Suitable for people with reduced mobility.
- 30-year warranty.



TEMPOFIX 3 WC self-supporting fire retardant frame system with TEMPOFLUX 3



565065
+ 763000

For Ø 90mm (or 110mm) soil pipe outlet versions: add "BE" (or "DE") after the reference for kit 1

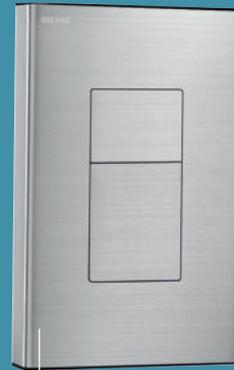
Options: wall fixings, sleeve connector and kit for disabled WC (see page 235)

565065 + 763000



INTUMESCENT COLLAR AND FIRE PROTECTION SET

Box sealed in the event of a fire



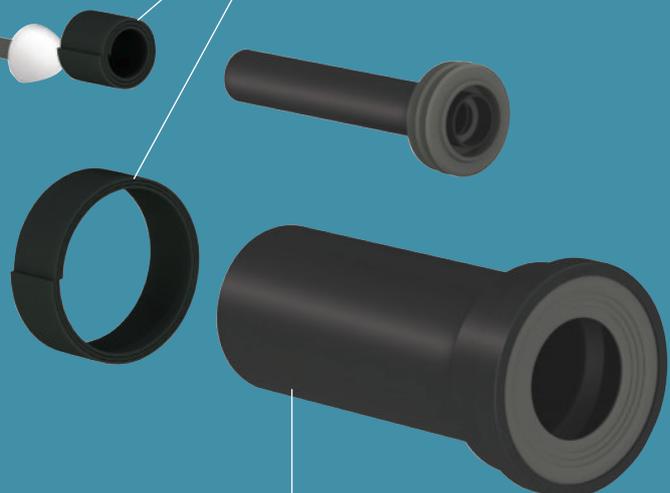
ACCESS TO MECHANISM AND STOPCOCK FROM THE FRONT

Easy to maintain
Space saving in the service duct

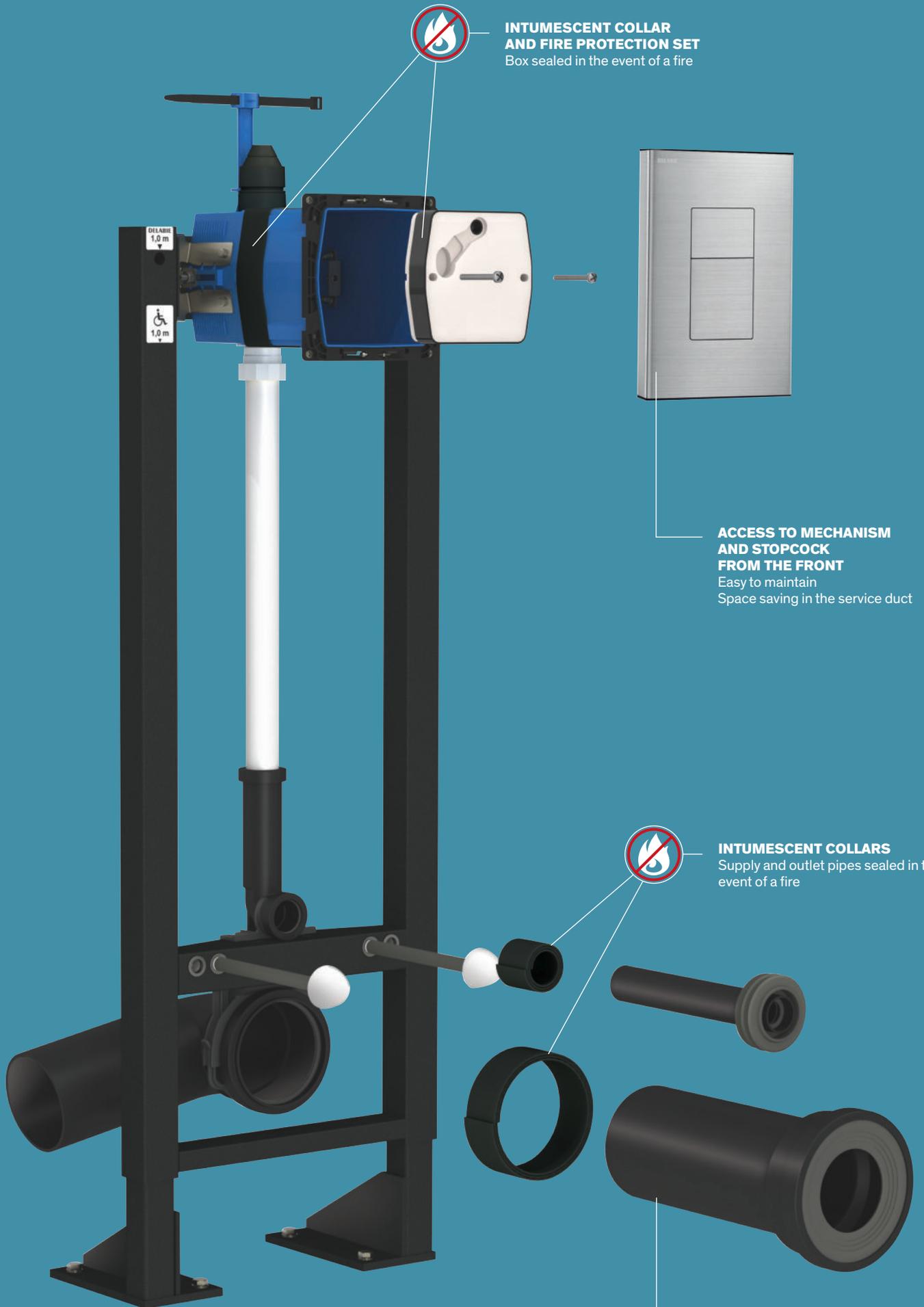


INTUMESCENT COLLARS

Supply and outlet pipes sealed in the event of a fire



Ø 100MM SOIL PIPE
Effective flush



Fire retardant frame systems for direct flush TEMPOFIX 3 with TEMPOFLUX 3 / DELABIE

The French by-law from 25 June 1980 specifies rules of safety against the risk of fires and panic in public and commercial buildings. Buildings with accommodation like hotels, care homes and hospitals are particularly concerned.

If drilling > 75mm in a fire retardant partition (e.g. for a pipe), the building must have an adequate device to prevent the spread of fire to other areas.

"§ 3. Pipes with a diameter larger than 75 millimetres and less than or equal to 315 millimetres must be flame retardant for 30 minutes for the walls in public and commercial buildings with the exception of horizontal pipes which can be fire resistant for 15 minutes."

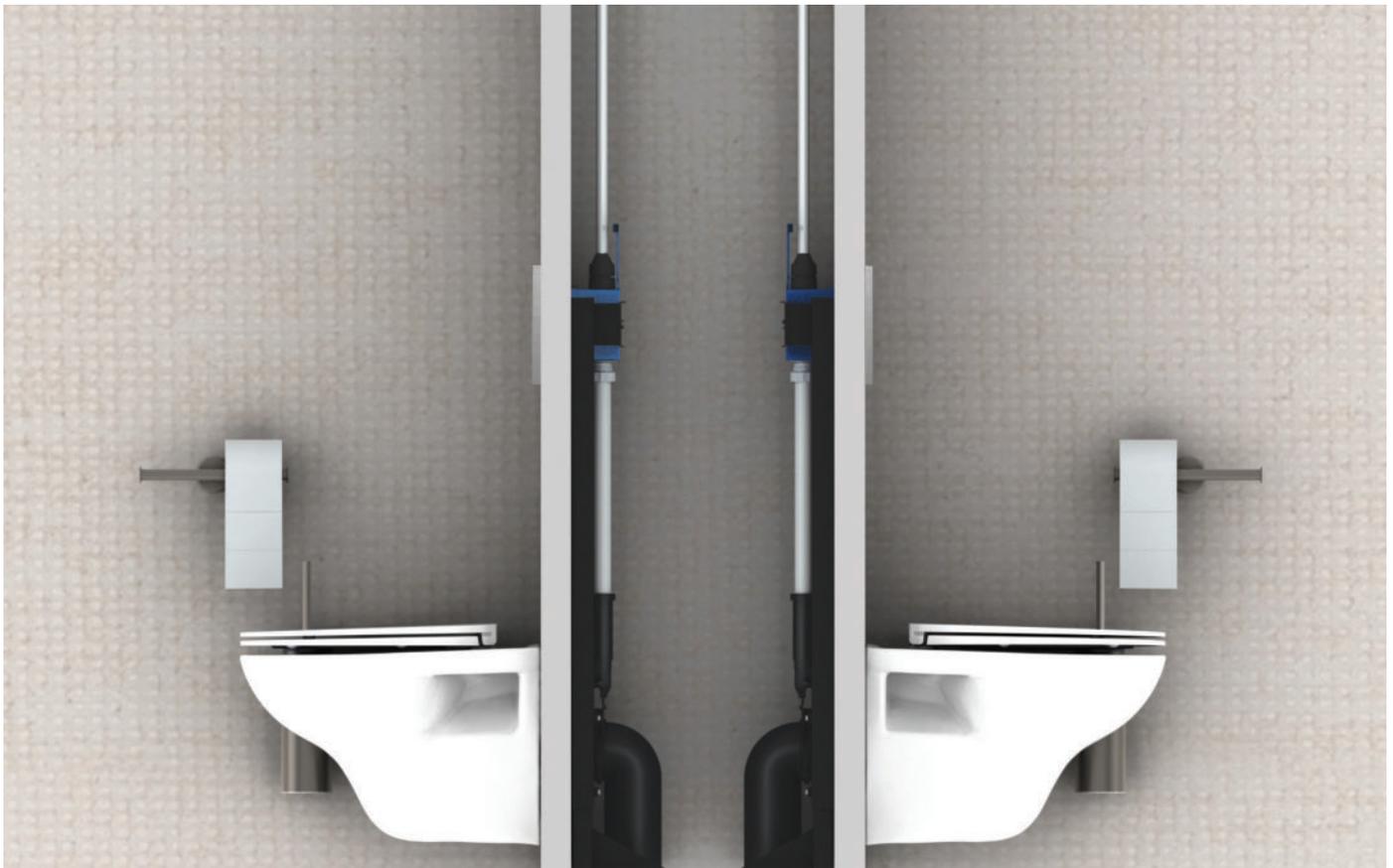
Extract from Article CO 31 in the French by-law from 25 June 1980 approving general safety rules against the risk of fires and panic in public and commercial buildings, modified by 26 June 2008 by-law.

With DELABIE's fire retardant solution, the installation of the TEMPOFIX 3 guarantees:

- A space saving solution which is practical and looks good whilst being fire retardant for 60 minutes.
- Easy maintenance from the front (behind the control plate) without the need for access to a service duct.
- Suitable for walls 53 to 105mm.

Fire retardant solution CF 60 min - EI60 complies with fire safety regulations for public and commercial buildings. (Tests carried out by Firelab laboratories certified by the COFRAC and meeting ISO 834 standard).

In the UK Regulatory Reform (Fire Safety) Order 2005 sets out the guidelines for keeping premises safe and preventing fires.



Two TEMPOFIX 3 fire retardant frame systems installed back to back.



- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Hygiene:** no cistern: no water stagnation (reduces bacterial development)
- **Comfort:** soft-touch operation, low acoustic level complies with European standard EN 12541 class II
- **Easy to install:** modular and adjustable waterproof housing

TEMPOFLUX 3 AB remote

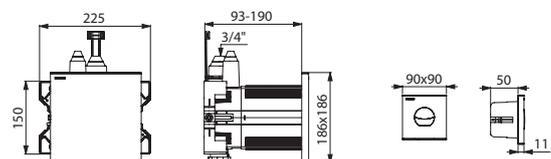
Recessed time flow flush valve



- **Cistern-less flush system:** directly connected to pipework.
- **Wall plate** in satin stainless steel 186 × 186mm.
- **Time flow control plate** in satin stainless steel and chrome-plated button 90 × 90mm.
- **Waterproof recessing housing:**
 - Collar with waterproof seal.
 - Hydraulic connection from the outside and maintenance from the front.
 - Adjusts to all types of installation (rails, solid walls, panels).
 - Compatible with wall finishes 10 - 120mm (while maintaining the minimum recessing depth of 93mm).
 - Suitable for standard or "pipe-in-pipe" supply.
 - Stopcock and flow rate adjustment, filter and cartridge are integrated and accessible from the front.
 - TEMPOFLUX 3 F 3/4" flush valve is compatible with sea water, rain water and grey water.
 - Vacuum breaker inside the housing.
- **Soft-touch operation.**
- **AB anti-blocking system:** water only flows when push-button is released.
- **Dual flush 3L/6L, can be adjusted to 2L/4L.**
- Outlet connection for PVC tube Ø 26/32mm.
- Acoustic level complies with European standard EN 12541 class II.
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Suitable for rimless pans without flow rate regulation and suitable for people with reduced mobility.
- 30-year warranty.



Other installation possibilities: see page 249.



| | |
|------------------------------------------|---------------|
| TEMPOFLUX 3 AB WC remote | 763300 |
| We recommend a flush tube (see page 234) | |

763300



- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Hygiene:** no cistern: no water stagnation (reduces bacterial development)
- **Vandal-resistant:** cross wall installation, concealed fixings
- **Comfort:** soft-touch operation, low acoustic level complies with European standard EN 12541 class II

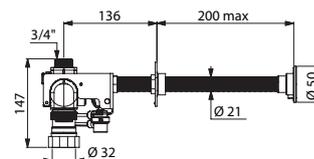


TEMPOFLUX 3 AB

Cross wall time flow flush valve



- **Cistern-less flush system:** directly connected to pipework.
- For walls $\leq 200\text{mm}$.
- **Soft-touch operation.**
- **AB anti-blocking system:** flush only takes place once the push-button is released.
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- Stopcock and volume/flow rate adjustment, activation unit and cartridge are all integrated and accessible via the service duct.
- Chrome-plated metal push-button.
- Shock-resistant mechanism.
- In-line inlet M $\frac{3}{4}$ ".
- Complies with European standard EN 12541 (class II acoustic level).
- Cut-to-size threaded rod.
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Available with or without PVC flush tube.
- Compatible with rain water.
- Suitable for rimless pans without flow rate regulation and suitable for people with reduced mobility.
- 30-year warranty.



763256

| TEMPOFLUX 3 AB WC cross wall | |
|------------------------------|--------|
| With flush tube | 763266 |
| Without flush tube | 763256 |





- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly, 3L/6L dual flush
- **Hygiene:** no cistern: no water stagnation (reduces bacterial development)
- **Comfort:** soft-touch operation, low acoustic level complies with European standard EN 12541 class II
- **Vandal-resistant:** for recessed or cross wall installation, chrome-plated brass

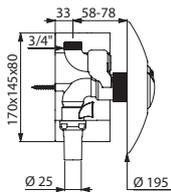
TEMPOFLUX 2

Recessed time flow flush valve

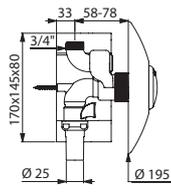


- **Cistern-less flush system:** directly connected to pipework.
- Chrome-plated metal wall plate Ø 195mm.
- Multipurpose recessing housing.
- Recessing depth can be adjusted 0 - 20mm.
- Available with 6L single flush or 3L/6L dual flush can be adjusted to 2L/4L.
- **Soft-touch operation.**
- **Vacuum breaker.**
- **Integrated stopcock and flow rate/flush volume adjuster.**
- Solid brass body.
- Chrome-plated metal push-button.
- In-line inlet M $\frac{3}{4}$ ".
- Outlet connection for PVC tube Ø 26/32mm.
- **Acoustic level complies with European standard EN 12541 class II.**
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Compatible with rain water.
- Suitable for rimless WC pans without flow rate regulation and suitable for people with reduced mobility.
- 30-year warranty.

This model does not have a waterproof recessing housing. The installer must ensure that the recessing area is waterproof and any leaks or condensation can drain away (see installation guide).



762902



762901

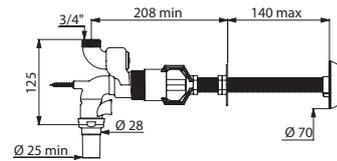
| TEMPOFLUX 2 WC recessed | |
|-------------------------------------|--------|
| 3L/6L dual flush (DELABIE patented) | 762902 |
| 6L single flush | 762901 |

TEMPOFLUX 2

Cross wall time flow flush valve



- **Cistern-less flush system:** directly connected to pipework.
- For walls ≤ 140mm.
- **3L/6L dual flush** can be adjusted to 2L/4L.
- **Soft-touch operation.**
- **Vacuum breaker.**
- **Integrated stopcock and flow rate/flush volume adjuster.**
- Solid brass body.
- Chrome-plated metal push-button.
- In-line inlet M $\frac{3}{4}$ ".
- Outlet connection for PVC tube Ø 26/32mm.
- Threaded rod can be cut to size.
- **Acoustic level complies with European standard EN 12541 class II.**
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Compatible with rain water.
- Suitable for rimless WC pans without flow rate regulation and suitable for people with reduced mobility.
- 30-year warranty.



762150

| TEMPOFLUX 2 WC cross wall | |
|---------------------------|--------|
| | 762150 |



- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful and constantly available flush, 3L/6L dual flush
- **Specifically designed for public and commercial places:** space saving, easy to clean, withstands intensive use
- **Easy to install:** frame system delivered pre-mounted
- **Hygiene:** no cistern: no water stagnation (reduces bacterial development)

TEMPOFIX 3 with TEMPOFLUX 2

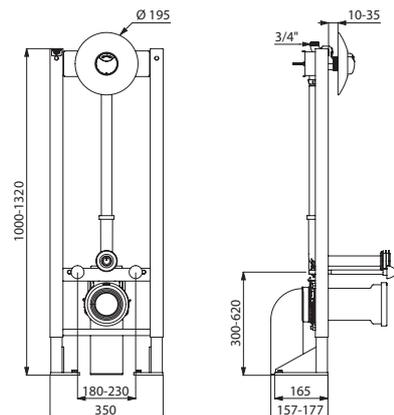
Frame system for drywall



- Self-supporting frame system with large feet to fix to load-bearing floors.
- Black powder-coated steel frame.
- Frame height can be adjusted from 0 - 200mm (with 1m mark).
- Ø 32mm flush tube with Ø 55mm connection washer.
- ABS soil pipe Ø 100mm outlet with waterproof seal, with 2 setting positions.
- Delivered pre-mounted.
- **For walls from 10 - 35mm.**

Fitted with TEMPOFLUX 2 time flow direct flush system:

- **Cistern-less flush system:** directly connected to pipework.
- Ø 195mm chrome-plated metal wall plate with concealed fixings.
- **Available with 6L single flush or 3L/6L dual flush** can be adjusted to 2L/4L.
- **Soft-touch operation.**
- Vacuum breaker.
- **Stopcock and flow rate/volume adjuster.**
- Solid brass body and shock-resistant, scale-resistant mechanism.
- In-line inlet M $\frac{3}{4}$ ".
- Compatible with rain water.
- Acoustic level complies with European standard EN 12451 class II.
- 30-year warranty.



TEMPOFIX 3 WC frame system with TEMPOFLUX 2 (for drywall from 10 - 35mm)

| | |
|-----------------------------------------|----------------------------------|
| 3L/6L dual flush (DELABIE patented) | 578305 + 578222 |
| 6L single flush (can be adjusted to 9L) | 578305 + 578212 |

For Ø 90mm (or 110mm) soil pipe outlet versions: add "BE" (or "DE") after the reference for kit 1

Options: wall fixings, sleeve connector and kit for disabled WC (see page 235)

578305 + 578222



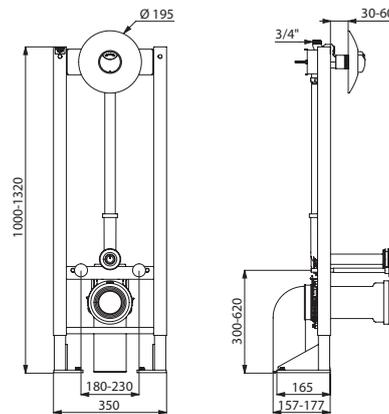
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful and constantly available flush, 3L/6L dual flush
- **Specifically designed for public and commercial places:** space saving, easy to clean, withstands intensive use
- **Easy to install:** frame system delivered pre-mounted
- **Hygiene:** no cistern: no water stagnation (reduces bacterial development)

TEMPOFIX 3 with TEMPOFLUX 2

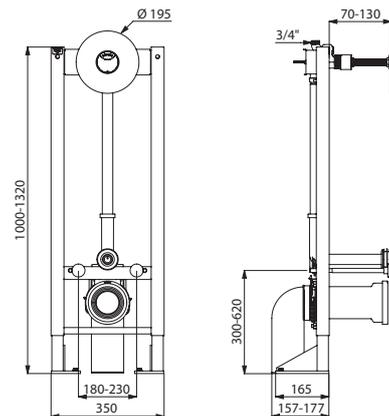
Frame system for semi-thick or thick walls



- See opposite for technical description.
- **For semi-thick solid walls from 30 - 60mm or thick walls from 70 - 130mm.**
- Available with 6L single flush or 3L/6L dual flush can be adjusted to 2L/4L. 30-year warranty.



578405 + 578222



578305 + 578230

RECOMMENDATIONS

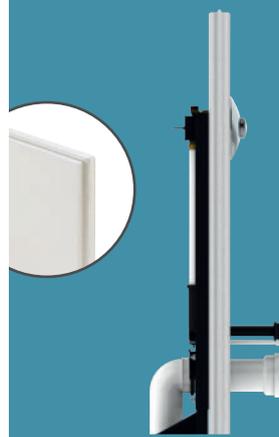
For drywall / plasterboard walls:

Wall thickness: 10 - 35mm



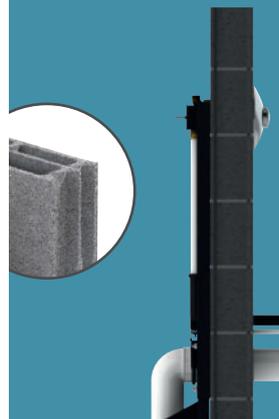
For semi-thick gypsum block walls:

Wall thickness: 30 - 60mm



For thick brick or cinder block walls:

Wall thickness: 70 - 130mm



| | |
|---------------------------------------------------------------------------------------------|----------------------------|
| TEMPOFIX 3 WC frame system with TEMPOFLUX 2 (for semi-thick walls from 30 - 60mm) | |
| 3L/6L dual flush (DELABIE patented) | 578405 + 578222 |
| 6L single flush (can be adjusted to 9L) | 578405 + 578212 |
| TEMPOFIX 3 WC frame system with TEMPOFLUX 2 (for thick, solid walls from 70 - 130mm) | |
| 3L/6L dual flush (DELABIE patented) | 578305 + 578230 |

For Ø 90mm (or 110mm) soil pipe outlet versions: add "BE" (or "DE") after the reference for kit 1

For other wall thicknesses please contact us

Options: wall fixings, sleeve connector and kit for disabled WC (see page 235)



- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Hygiene:** no cistern: no water stagnation (reduces bacterial development)
- **Comfort:** soft-touch operation
- **Vandal-resistant:** recessed or cross wall installation

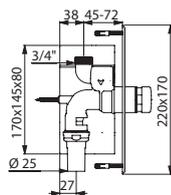
TEMPOFLUX 1

Recessed time flow flush valve



- **Cistern-less flush system:** directly connected to pipework.
- Stainless steel control plate 220 × 170mm.
- Multipurpose recessing housing.
- **Soft-touch operation.**
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- **Integrated stopcock and flow rate/flush volume adjuster.**
- Solid brass body and chrome-plated push-button.
- In-line inlet M $\frac{3}{4}$ ".
- Outlet connection for PVC tube \varnothing 26/32mm.
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Compatible with rain water.
- Suitable for people with reduced mobility.
- 30-year warranty.

*This model does not have a waterproof recessing housing.
The installer must ensure that the recessing area is waterproof
and any leaks or condensation can drain away (see installation guide).*



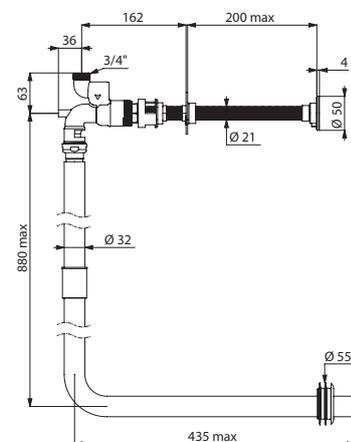
761627

TEMPOFLUX 1

Cross wall time flow flush kit



- **Cistern-less flush system:** directly connected to pipework.
- For walls \leq 200mm.
- **Soft-touch operation.**
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- **Integrated stopcock and flow rate/flush volume adjuster.**
- Chrome-plated metal body.
- In-line inlet M $\frac{3}{4}$ ".
- Connection washer \varnothing 32/55mm.
- Threaded rod can be cut to size.
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Available with or without PVC flush tube \varnothing 32mm.
- Compatible with rain water.
- Suitable for people with reduced mobility.
- 30-year warranty.



761210

TEMPOFLUX 1 WC cross wall kit

| | |
|---------------------|---------------|
| With PVC flush tube | 761210 |
| Without flush tube | 761110 |

Alternative cross wall lengths are available on request

| | |
|-------------------------|---------------|
| TEMPOFLUX 1 WC recessed | 761627 |
|-------------------------|---------------|



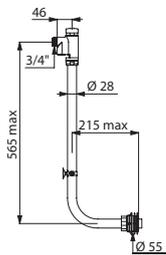
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Hygiene:** no cistern: no water stagnation (reduces bacterial development)
- **Comfort:** soft-touch operation
- **Vandal-resistant:** chrome-plated solid brass

TEMPOFLUX 1

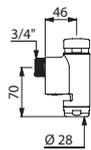
Exposed compact time flow flush kit



- **Cistern-less flush system:** directly connected to pipework.
- For wall-mounted, exposed installation.
- **Soft-touch operation.**
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- **Integrated stopcock and flow rate/flush volume adjuster.**
- Chrome-plated solid brass body and push-button.
- Angled inlet M $\frac{3}{4}$ ".
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Available with or without stainless steel flush tube.
- Compatible with rain water.
- Suitable for people with reduced mobility.
- 30-year warranty.



761003



761001

TEMPOFLUX 1 WC exposed

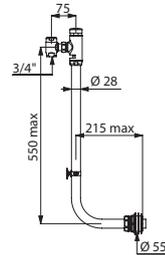
| | |
|---------------------------------------------|---------------|
| Kit with tube, collar and connection washer | 761003 |
| Exposed time flow valve only | 761001 |

TEMPOFLUX 1

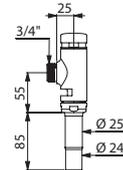
Exposed time flow flush kit



- **Cistern-less flush system:** directly connected to pipework.
- For wall-mounted, exposed installation.
- **Soft-touch operation.**
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- **Available with or without stopcock and flow rate/flush volume adjuster.**
- Chrome-plated solid brass body and push-button.
- Angled inlet $\frac{3}{4}$ ".
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Available with or without stainless steel flush tube.
- Compatible with rain water.
- Suitable for people with reduced mobility.
- 30-year warranty.



761002



761025

TEMPOFLUX 1 WC exposed

With separate elbow stopcock F $\frac{3}{4}$ "

| | |
|---------------------------------------------------|---------------|
| Kit with flush tube, collar and connection washer | 761002 |
|---------------------------------------------------|---------------|

Without stopcock M $\frac{3}{4}$ "

| | |
|---------------------------------------------------|---------------|
| Kit with flush tube, collar and connection washer | 761004 |
|---------------------------------------------------|---------------|

| | |
|--------------------------------------------------------|---------------|
| With outlet nut \varnothing 28mm, without flush tube | 761000 |
|--------------------------------------------------------|---------------|

| | |
|-------------------------------------------------------------------------------------------------------------|---------------|
| With flush tube \varnothing 25mm and \varnothing 24mm (replacements for SCHELL & BINE 120000 models) | 761025 |
|-------------------------------------------------------------------------------------------------------------|---------------|

Accessories

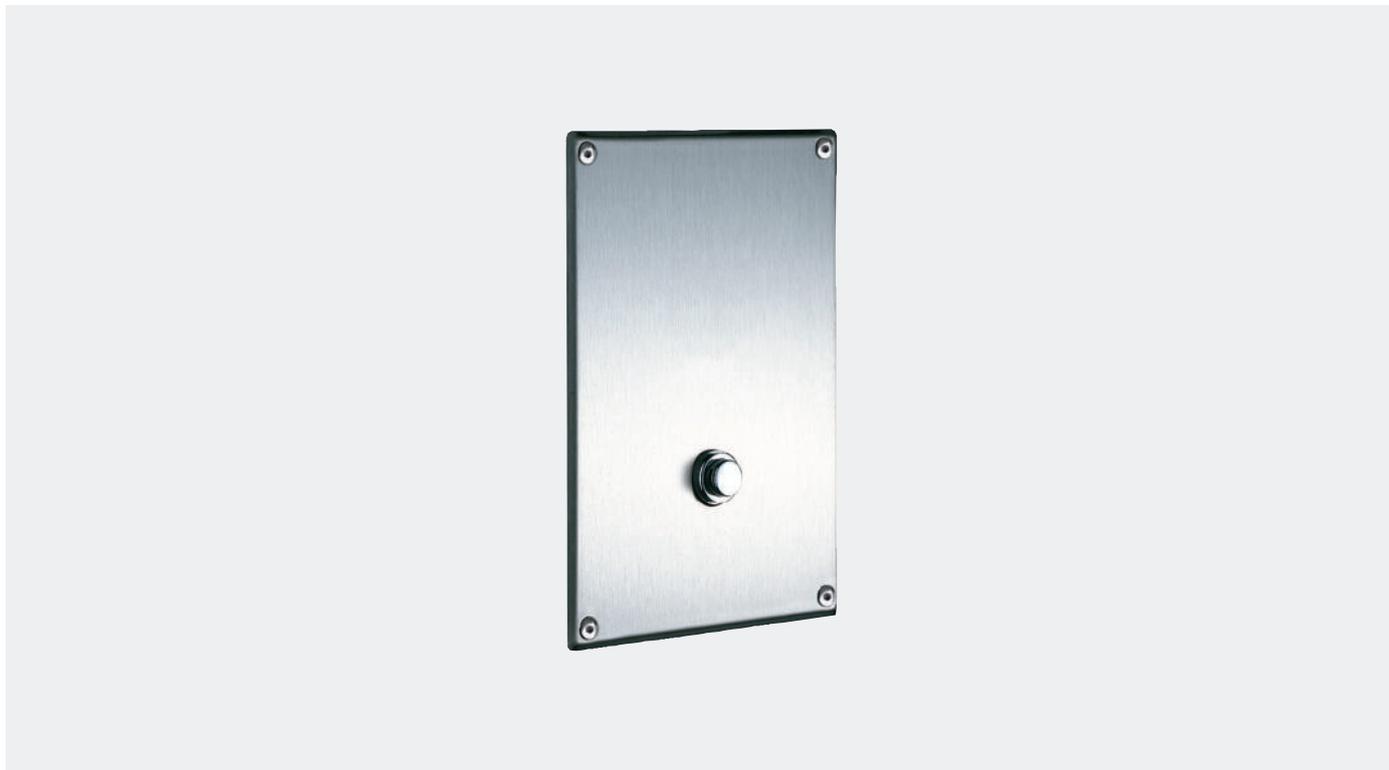
| | |
|-----------------------------------|---------------|
| Elbow stopcock FF $\frac{3}{4}$ " | 765020 |
| Flat wall plate | 292020 |



- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Hygiene:** no cistern: no water stagnation (reduces bacterial development)
- **Vandal-resistant:** chrome-plated solid brass, shock-resistant mechanism, for recessed installation

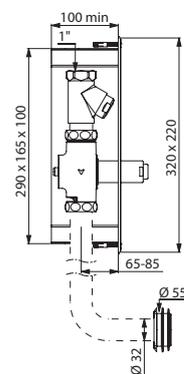
TEMPOCHASSE

Recessed time flow flush valve



- **Cistern-less flush system:** directly connected to pipework.
- Satin stainless steel control plate 320 × 220mm.
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- **In-line rough brass stopcock and flow rate/flush volume adjuster.**
- Solid brass body and chrome-plated push-button.
- Shock-resistant mechanism.
- In-line inlet F1".
- Connection washer Ø 32/55mm.
- Base flow rate: 1.2 L/sec. at 1 bar dynamic pressure.
- Compatible with rain water.
- 30-year warranty.

*This model does not have a waterproof recessing housing.
The installer must ensure that the recessing area is waterproof
and any leaks or condensation can drain away (see installation guide).*



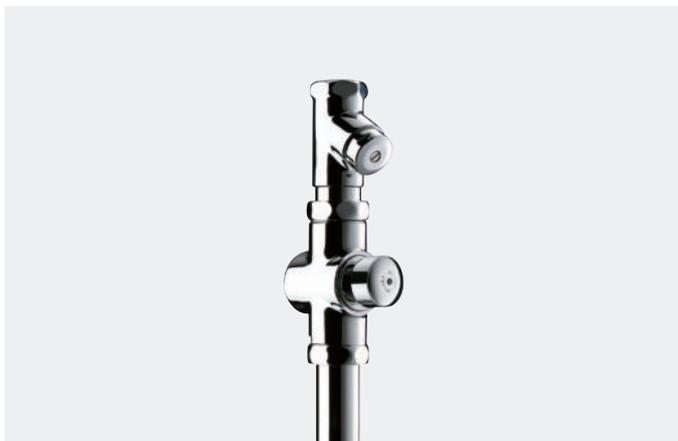
760220



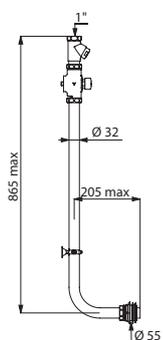
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Hygiene:** no cistern: no water stagnation (reduces bacterial development)
- **Vandal-resistant:** chrome-plated solid brass, shock-resistant mechanism

TEMPOCHASSE

Exposed time flow flush kit



- **Cistern-less flush system:** directly connected to pipework.
- For wall-mounted, exposed installation.
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- **F1" chrome-plated brass stopcock and flow rate/flush volume adjuster.**
- Chrome-plated solid brass body and push-button.
- Shock-resistant mechanism.
- Connection washer $\varnothing 32/55\text{mm}$ with clamp.
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Compatible with rain water.
- Bright polished stainless steel elbow flush tube $\varnothing 32\text{mm}$ with nut and collar.
- 30-year warranty.



760004

TEMPOCHASSE WC exposed kit

For conventional pans

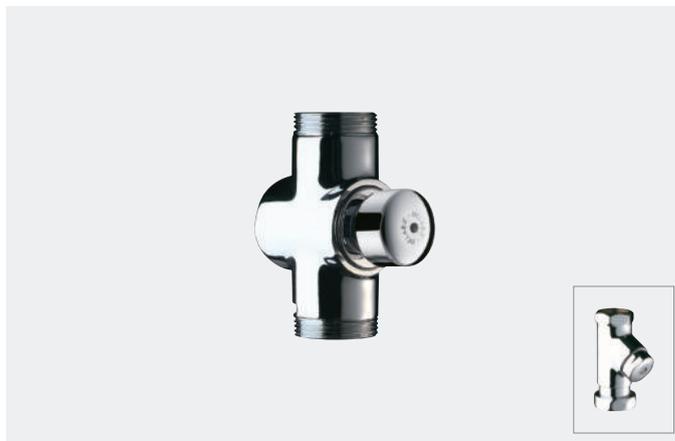
| | |
|-----------------------|---------------|
| With in-line stopcock | 760004 |
| With elbow stopcock | 760005 |

For slop hoppers

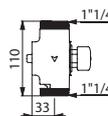
| | |
|-----------------------------------------------|---------------|
| With in-line stopcock and straight flush tube | 760460 |
|-----------------------------------------------|---------------|

TEMPOCHASSE

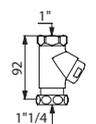
Exposed time flow flush valve



- **Cistern-less flush system:** directly connected to pipework.
- For wall-mounted, exposed installation.
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- Chrome-plated solid brass body and push-button.
- Shock-resistant mechanism.
- In-line inlet M1 $\frac{1}{4}$ ".
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Compatible with rain water.
- 30-year warranty.



760000



764000



765000

TEMPOCHASSE WC exposed

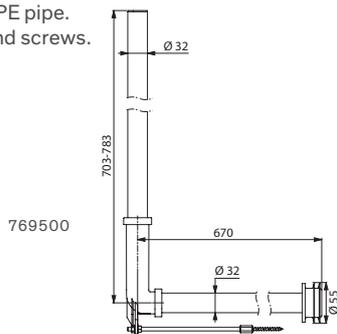
| | |
|------------------|---------------|
| With push-button | 760000 |
| In-line stopcock | 764000 |
| Elbow stopcock | 765000 |

Flush tube for WC pans

For recessed flush system / cross wall



- For TEMPOMATIC, TEMPOFLUX 1, TEMPOFLUX 2, TEMPOFLUX 3 and TEMPOCHASSE.
- PVC tube for recessed or cross wall installation.
- With connection washer and HDPE pipe.
- Walls ≥ 60 mm fix with bracket and screws.
- $\varnothing 26/32$ mm.
- 30-year warranty.



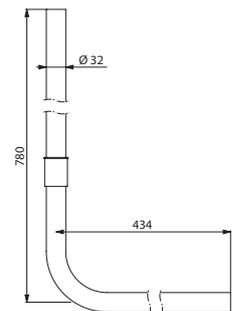
Flush tube with connection washer for recessing for WC pans **769500**

Flush tube for WC pans

For recessed flush system / cross wall



- For TEMPOMATIC, TEMPOFLUX 1, TEMPOFLUX 2, TEMPOFLUX 3 and TEMPOCHASSE.
- PVC tube for recessed or cross wall installation.
- $\varnothing 26/32$ mm (bare, without connection washer).
- 30-year warranty.



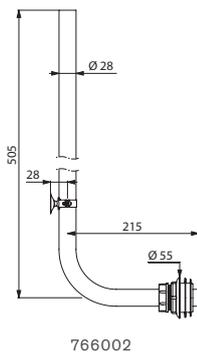
Bare flush tube for recessing for WC pan **769400**

Flush tube for WC pans

For TEMPOFLUX 1 and 3 exposed and compact



- Bright polished stainless steel elbow flush tube $\varnothing 28$ mm with collar and no nut.
- With connection washer $\varnothing 28/55$ mm with clamp.
- 30-year warranty.



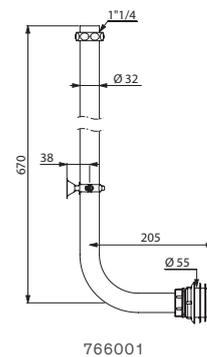
Flush tube for WC pans **766002**

Flush tube for squat WCs

For TEMPOCHASSE exposed



- Bright polished stainless steel elbow flush tube $\varnothing 32$ mm with nut 1 1/4".
- Collar and connection washer $\varnothing 32/55$ mm with clamp.
- 30-year warranty.



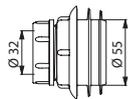
Flush tube for WC pans **766001**

Connection washer

For tube Ø 32mm



- With clamp.
- Neck Ø 55mm.
- 30-year warranty.



705000

Connection washer Ø 32mm

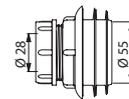
705000

Connection washer

For tube Ø 28mm



- With clamp.
- Neck Ø 55mm.
- 30-year warranty.



705028

Connection washer Ø 28mm

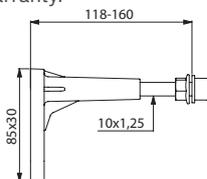
705028

Wall fixings

For TEMPOFIX 3



- Fixing kit for upper section of TEMPOFIX 3 frame system.
- 2 chrome-plated metal wall fixings, for reinforcing upper section of frame system.
- For installing if floors are non-load bearing.
- 30-year warranty.



578MUR

TEMPOFIX 3 wall fixings

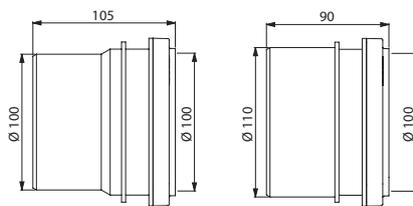
578MUR

Sleeve connector

For TEMPOFIX 3



- For horizontal evacuation.
- 30-year warranty.



578100

578110

Sleeve connector

ABS, Ø 100/100mm

578100

HDPE, Ø 100/90mm

578090

HDPE, Ø 100/110mm

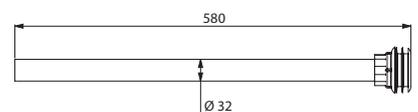
578110

Connection kit for disabled WCs

For TEMPOFIX 3



- Extended supply tube Ø 32mm, L. 580mm.
- Ø 55mm connection washer.
- 30-year warranty.



578PMR

Connection kit for disabled WCs

578PMR



Secure sector

SOLUTIONS
FOR THE SECURE
SECTOR
239



BASIN
CONTROLS
240



SHOWER
CONTROLS
242



URINAL
CONTROLS
244



WC
CONTROLS
245





TEMPOFLUX 2 time flow direct flush system **762150** - SHA 700 squat WC **113610** - Toilet paper dispenser **2911**
TEMPOMATIC electronic basin tap **44115715** - Soap dispenser **729150** - CANAL wash trough **120250** - Stainless steel rectangular mirror **3458**

SPECIFICALLY DESIGNED FOR THE SECURE SECTOR

High resistance to vandalism

DELABIE's water controls have been specifically designed to withstand intensive use and vandalism, both voluntary and involuntary.

The specific ergonomics of the products (streamlined design, tamperproof fixings, robust design) prevent any risk of harm.

Designed to be installed **cross wall** in service ducts, this equipment prevents the user from having access to the control mechanisms.

The control buttons, bodies, spouts and shower heads are made from chrome-plated solid brass.

Shock-resistant push-button limiters protect the mechanisms from the most heavy-handed users.

Streamlined designs and detection sensors flush to the wall prevent unwanted removal.

The **fixings** are **reinforced**. The anti-rotating pin means that the whole body is securely fixed to the wall. The connecting nut ensures correct in-line installation of the push-button control and valve, resulting in ensured activation with every operation.

Superior endurance

The time flow mechanisms in DELABIE's water controls are hard-wearing. The hydraulic timing system with a calibrated groove is self-cleaning, which extends its lifespan to over **500,000 operations**.

There is no metal-metal or metal-plastic friction, **ensuring reliable and durable timing**.

The detection system for electronic controls, **infrared active pulse** technology, is the most reliable. It cannot be adjusted or affected by variations in light levels.

Easy to install

The **threaded rods** for cross wall installation **can be cut** to the desired length. Simply connect the water supply to the flexibles.

Minimal servicing

DELABIE guarantees minimal servicing.

The flow straighteners and mechanisms are made from **scale-resistant materials** (Hostaform®). Self-cleaning mechanisms are protected by filters.

Simple to maintain

The **spare parts** are **standardised** to ensure quick and easy replacement by maintenance staff.

The whole of the system is integrated within an interchangeable **cartridge which can be accessed without having to remove the mixer or tap**.

Installation in service ducts enables the maintenance staff **to access the device outside of the area of use** which facilitates and secures their work.

30-year warranty against any manufacturing defects.
50 years repairability.

WATER SAVINGS

Water savings

Water saving is also a concern for the secure sector. Secure facilities accommodate people prone to acts of vandalism who are more likely to waste water voluntarily. DELABIE's fittings deliver water savings during conventional use but also prevent excessive consumption due to abuse.

• Automatic shut-off and split delivery

The flow shuts off automatically when hands are removed from the detection zone for electronic versions, or after several seconds for time flow versions. DELABIE's water controls remove the risk of waste through negligence.

The time flow is reduced to the necessary minimum (wetting, rinsing).

• Regulated flow rate

The flow rate is regulated at **3 lpm** for basins, **6 lpm** for showers and **3L/6L** for the TEMPOFLUX 2 and 3 WC ranges, which can be adjusted to 2L/4L.

Anti-blocking system

To avoid abuse and waste, TEMPOSTOP and TEMPOFLUX 3 time flow models can be fitted with an **AB anti-blocking system**. This prevents the valve from being blocked in the open position. Water will not flow unless the push-button is released.

On TEMPOMATIC electronic models, the valve will block temporarily in case of abuse.

HYGIENE AND CONTROLLING BACTERIAL PROLIFERATION

Automatic shut-off with no manual contact

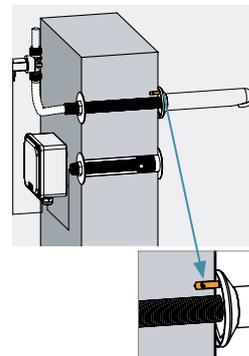
No manual contact after washing prevents the spread of germs by hand.

Anti-bacterial duty flush programme

DELABIE's electronic water controls have a duty flush programme. **An automatic flush takes place every 24 hours after the last use** (basins, showers and urinals).



Cross wall time flow control



Cross wall electronic control with anti-rotating pin



Anti-blocking system



Hygiene and controlling bacterial proliferation

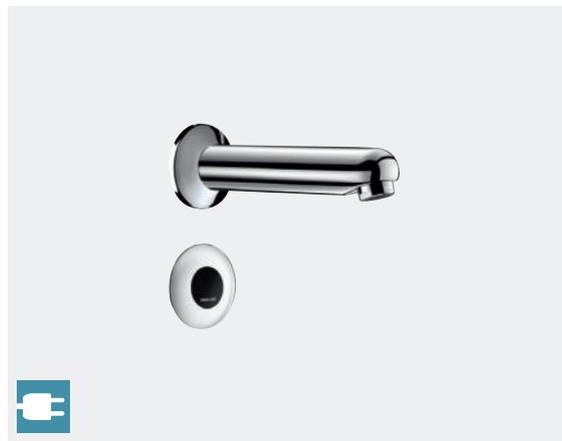


- **Water savings:** 90%
- **Vandal-resistant:** chrome-plated solid brass, cross wall installation, concealed fixings
- **Maintenance:** LED diagnostic aids
- **Hygiene:** no manual contact and anti-bacterial duty flush

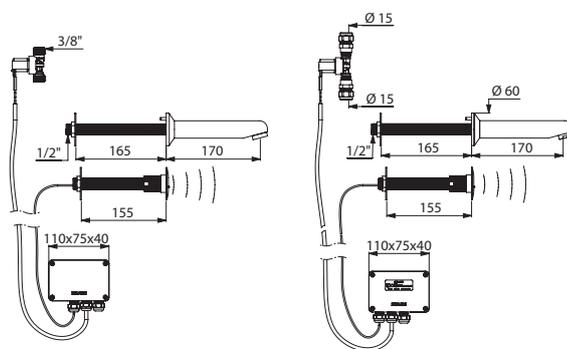


TEMPOMATIC

Cross wall electronic basin tap



- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Adjustable duty flush**
(pre-set flush ~60 seconds every 24 hours after last use).
- Chrome-plated fixed spout L. 170mm with anti-rotating pin and back nut.
- Wall plate flush to the wall.
- Shock-resistant infrared presence detection sensor.
- Anti-blocking security.
- For walls ≤ 155mm.
- Solenoid valve with integrated filter.
- Threaded rods can be cut to size.
- 30-year warranty.



441157

44115715

TEMPOMATIC cross wall basin tap

| | |
|---------------------------------|-----------------|
| M ³ / ₈ " | 441157 |
| Ø 15mm for compression fitting | 44115715 |

We recommend installing a TMV (see page 143)

Alternative spout and cross wall lengths available on request



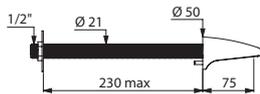
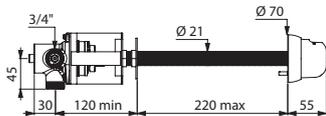
- **Water savings:** 85%
- **Vandal-resistant:** cross wall installation, concealed fixings, anti-blocking system (AB)

TEMPOMIX

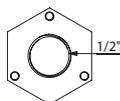
Cross wall time flow basin mixer



- **Soft-touch operation.**
- **Temperature control and operation via the push-button.**
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Tamperproof scale-resistant flow straightener.**
- Chrome-plated solid brass body M^{3/4}".
- Chrome-plated metal push-button.
- Filters and non-return valves.
- Adjustable maximum temperature limiter.
- Tamperproof cross wall control ≤ 220mm.
- Tamperproof fixed cross wall spout ≤ 230mm.
- System for fixing to the wall via anti-rotating pin, back-nut and connection clamp.
- Threaded rods can be cut to size.
- 30-year warranty.



795209



826315

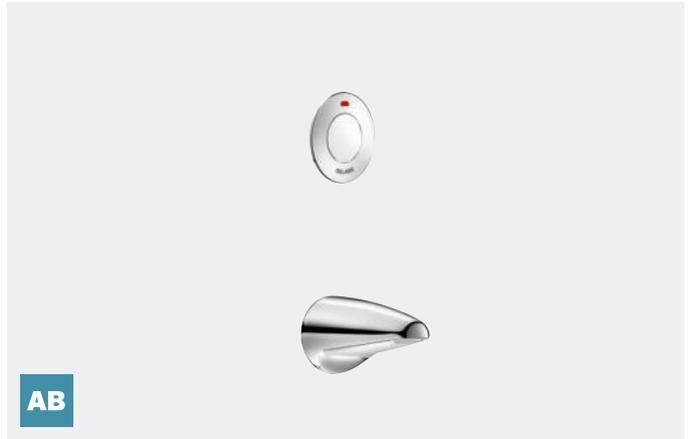
TEMPOMIX cross wall basin mixer

| | |
|----------------------------------------------------------------------------------|---------------|
| TEMPOMIX cross wall | 795209 |
| Back nut F ^{1/2} " with 3 screws (reinforcing clamp behind the wall) | 826315 |

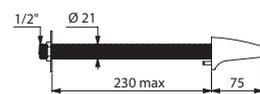
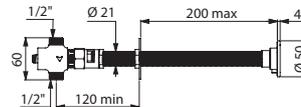
Alternative cross wall lengths (up to 400mm, min. 200 units) available on request

TEMPOSTOP

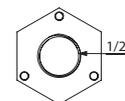
Cross wall time flow basin tap



- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.4 - 6 lpm.
- **Tamperproof scale-resistant flow straightener.**
- Tamperproof cross wall control ≤ 200mm.
- Chrome-plated metal fixed tamperproof cross wall spout ≤ 230mm.
- Anti-rotating pin and back nut.
- **AB anti-blocking system:** water only flows when push-button is released.
- Available with 1 or 2 controls.
- Threaded rods can be cut to size.
- 30-year warranty.



748110



826315

TEMPOSTOP cross wall basin tap

| | |
|----------------------------------------------------------------------------------|---------------|
| 1 control | 748110 |
| 2 controls | 748210 |
| Back-nut F ^{1/2} " with 3 screws (reinforcing clamp behind the wall) | 826315 |

We recommend installing a TMV (see page 143)
Alternative cross wall lengths available on request

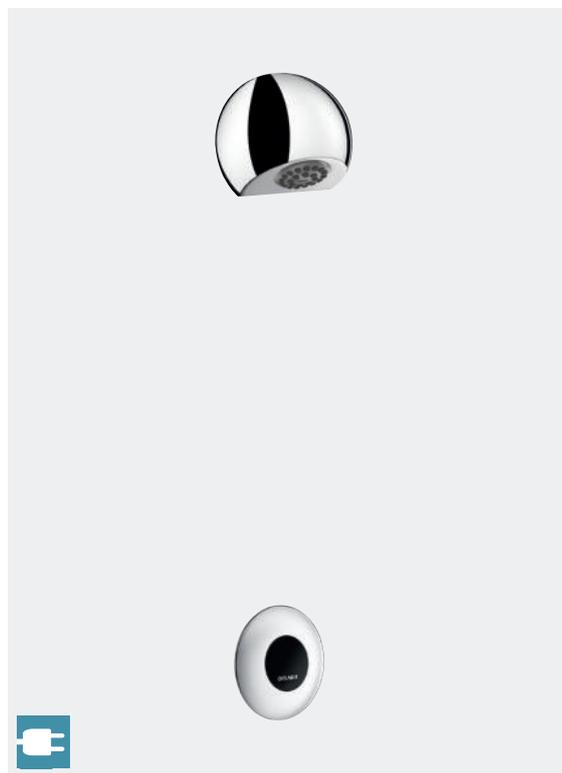


- **Water savings:** 80%
- **Vandal-resistant:** chrome-plated solid brass, cross wall installation, concealed fixings
- **Hygiene:** no manual contact, anti-bacterial duty flush
- **Maintenance:** LED diagnostic aids

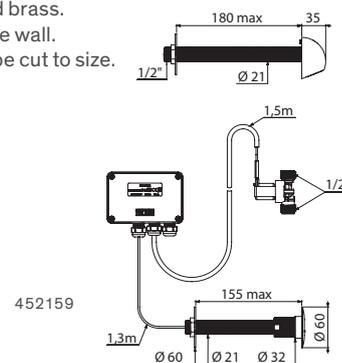


TEMPOMATIC

Cross wall electronic shower kit



- **TEMPOMATIC electronic valve** for mixed water supply.
- For walls $\leq 155\text{mm}$.
- Power supply by electronic control unit with solenoid valve $1/2"$.
- 230/12V transformer.
- **2 operation modes:**
 - automatic activation via presence detection.
 - voluntary ON/OFF activation by passing hand in front of sensor $\sim 10\text{ cm}$.
- **Duty flush** (~ 60 seconds every 24 hours after the last use).
- **Adjustable time flow** 30 - 60 seconds.
- **Flow rate 6 lpm** at 3 bar with chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation.
- Chrome-plated solid brass.
- Wall plate flush to the wall.
- Threaded rods can be cut to size.
- 30-year warranty.



TEMPOMATIC cross wall shower kit

| | |
|-----------------------------|---------------|
| Kit with shower head | 452159 |
| Control without shower head | 452150 |

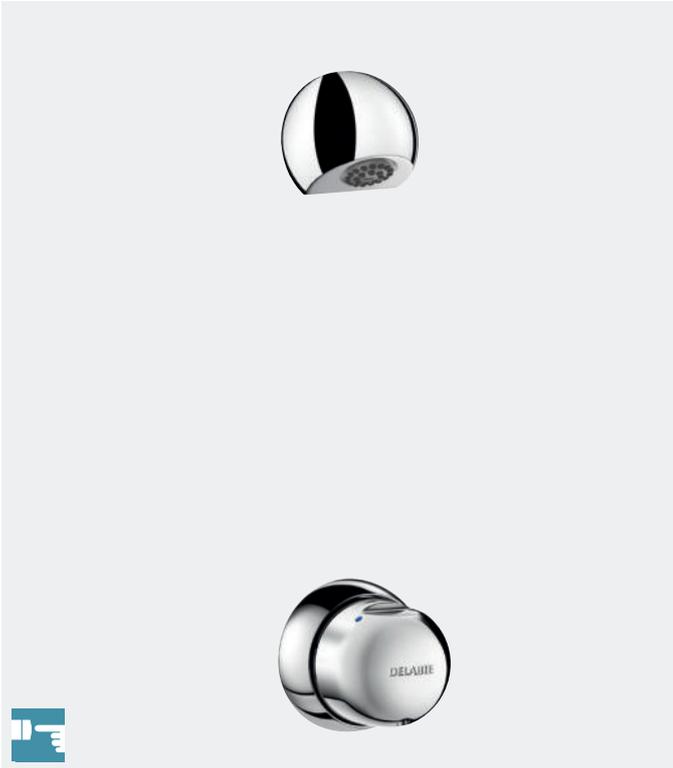
We recommend installing a TMV (see page 143) and a floor trap (see page 131)



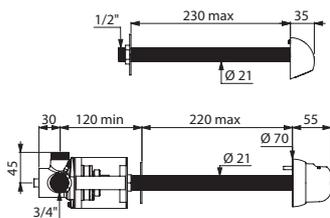
- **Water savings:** 80%
- **Vandal-resistant:** cross wall installation, concealed fixings

TEMPOMIX

Cross wall time flow shower kit



- **TEMPOMIX 3/4" single control mixer.**
- For walls ≤ 220mm.
- Temperature control and operation via the push-button.
- Maximum temperature limiter (can be adjusted by the installer).
- **Ligature-resistant collar.**
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation.
- Solid brass valve body and shower head.
- Integrated filters and non-return valves.
- **Chrome-plated metal push-button.**
- Threaded rods can be cut to size.
- 30-year warranty.



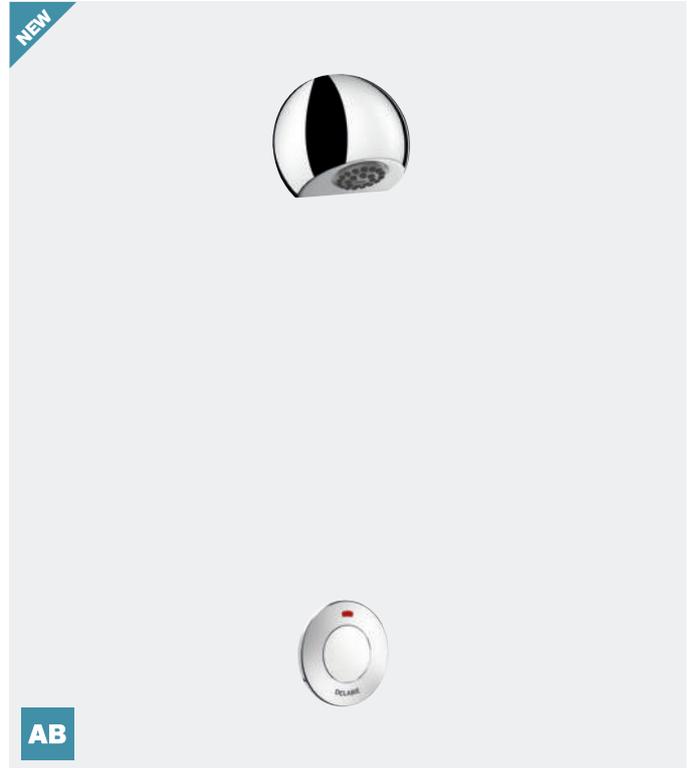
796209

| | |
|---------------------------------------|---------------|
| TEMPOMIX cross wall shower kit | 796209 |
|---------------------------------------|---------------|

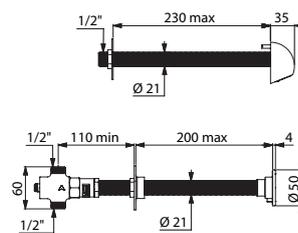
We recommend installing a floor trap (see page 131)
Other cross wall lengths available on request (minimum 200 units)

TEMPOSTOP

Cross wall time flow shower kit



- **TEMPOSTOP M1/2" time flow valve** for mixed water supply.
- For cross wall installation.
- **Time flow ~15 or 30 seconds.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof **ROUND shower head** with automatic flow rate regulation.
- Chrome-plated metal control.
- Concealed fixings and anti-rotating pin.
- Threaded rods can be cut to size.
- **Available with AB anti-blocking system:** water only flows when push-button is released.
- 30-year warranty.



747110

TEMPOSTOP cross wall shower kit

| | |
|-----------------------------------------------------------|---------------|
| For walls ≤ 200mm, AB system, ~15 seconds | 747110 |
| For walls ≤ 200mm, ~30 seconds | 749110 |
| Back-nut with 3 screws (reinforced clamp behind the wall) | 826315 |

We recommend installing a TMV (see page 143) and a floor trap (see page 131)



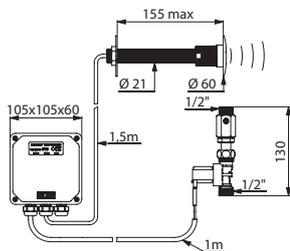
- **Water savings:** 60%
- **Vandal-resistant:** cross wall installation, concealed fixings

TEMPOMATIC

Cross wall electronic urinal valve



- **Mains supply.**
- Electronic control unit 12V with solenoid valve, filter and stopcock M $\frac{1}{2}$ ".
- For cross wall installation.
- Shock-resistant infrared presence detection sensor.
- **Detection distance, time flow and flow rate can be adjusted** during installation.
- We recommend a 230/12V transformer (*see below*).
- **Detection delay is 3 seconds.**
- **Automatic pre-rinse** is possible.
- **Time flow ~3 seconds**, can be adjusted from 3 - 12 seconds.
- **Hygienic duty flush** every 24 hours after last use: prevents vacuums.
- Flow rate 0.3 L/sec. at 3 bar, can be adjusted.
- Wall plate flush to the wall.
- Threaded rod can be cut to size.
- Compatible with rain water.
- 30-year warranty.



428150

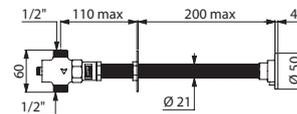
| TEMPOMATIC cross wall urinal valve | |
|---------------------------------------------------------|---------------|
| For walls ≤ 155mm | 428150 |
| For walls ≤ 225mm | 428200 |
| Transformer 230/12V for 1 - 5 TEMPOMATIC urinals | |
| Without housing | 406000 |
| In a waterproof housing | 406220 |
| Alternative cross wall lengths available on request | |

TEMPOSTOP

Cross wall time flow urinal valve



- For standard or siphon action urinals.
- For walls ≤ 200mm.
- Compatible with rain water.
- **Time flow ~3 seconds.**
- **Flow rate pre-set at 0.15 L/sec.** at 3 bar, can be adjusted.
- Chrome-plated metal body M $\frac{1}{2}$ ".
- Control base plate with anti-rotating pin.
- Connecting nut.
- Threaded rod can be cut to size.
- 30-year warranty.



777110

| TEMPOSTOP cross wall urinal valve | |
|-----------------------------------------------------|---------------|
| | 777110 |
| Alternative cross wall lengths available on request | |



- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Vandal-resistant:** cross wall installation, concealed fixings
- **Hygiene:** automatic flush with no manual contact, no cistern: no water stagnation (reduces bacterial development)
- **Comfort:** voluntary activation or automatic flush

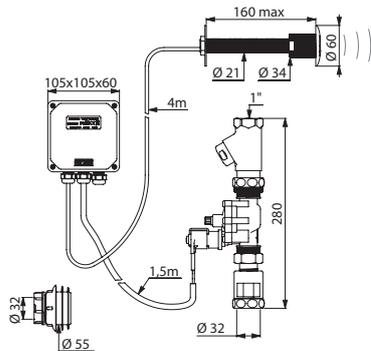
TEMPOMATIC

Cross wall electronic flush valve



- **Cistern-less flush system:** directly connected to pipework.
- Mains supply with 1" solenoid valve.
- 230/12V transformer.
- IP65 independent electronic unit.
- For cross wall installation.
- Shock-resistant infrared presence detection sensor.
- **Touch-free automatic activation** when the user leaves or **voluntary touch-free** (when hand is moved 4cm from the sensor).
- **Time flow ~7 seconds**, can be adjusted from 3 - 12 seconds.
- **Detection distance, flow rate and flush volume can be adjusted.**
- Stopcock FF1".
- Vacuum breaker Ø 32mm.
- Connection washer Ø 32/55mm.
- Wall plate flush to the wall.
- Threaded rod can be cut to size.
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Compatible with rain water.
- Suitable for rimless WC pans without flow rate regulation and suitable for people with reduced mobility.
- 30-year warranty.

For version with TEMPOFIX 3 frame system: see page 213.



463150

TEMPOMATIC WC cross wall

| | |
|-------------------|--------|
| For walls ≤ 30mm | 463030 |
| For walls ≤ 160mm | 463150 |

Alternative cross wall lengths available on request





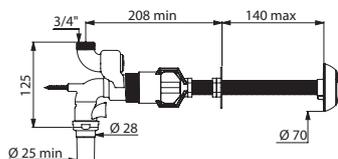
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly, 3L/6L dual flush
- **Vandal-resistant:** solid brass, cross wall installation, concealed fixings
- **Hygiene:** no cistern: no water stagnation (reduces bacterial development)
- **Comfort:** soft-touch operation, low acoustic level complies with European standard EN 12541 class II

TEMPOFLUX 2

Cross wall time flow flush valve



- **Cistern-less flush system:** directly connected to pipework.
- For walls $\leq 140\text{mm}$.
- **3L/6L dual flush** can be adjusted to 2L/4L.
- **Soft-touch operation.**
- **Vacuum breaker.**
- **Integrated stopcock and flow rate/flush volume adjuster.**
- Solid brass body.
- Chrome-plated metal push-button.
- In-line inlet $M\frac{3}{4}$ ".
- Outlet connection for PVC tube $\varnothing 26/32\text{mm}$.
- Threaded rod can be cut to size.
- **Acoustic level complies with European standard EN 12541 class II.**
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Compatible with rain water.
- Suitable for rimless WC pans without flow rate regulation and suitable for people with reduced mobility.
- 30-year warranty.



762150

Vandal-resistant

A **cross wall installation** is the most appropriate solution to withstand any risk of vandalism. The **chrome-plated metal** push-button is flush to the wall, preventing unwanted removal of the valve.

Maintenance

Any maintenance on the cross wall TEMPOFLUX 2 is done via **service ducts**. It provides the **installer** with a higher level of **security** in the secure sector and better access.

Cartridges are easy to change without having to remove the valve.

Efficient direct flush

The flush valve is connected directly to the water supply. Employing **the pressure from the system**, the flush is more effective.

Direct flush is **always available**, even for successive flushes. There is no delay while the cistern refills. Solving the problem of intensive use (playtime in schools, half-time at a football match, break in a factory, concert interlude, etc.).

Water savings

TEMPOFLUX 2 has a **3L/6L dual flush** which optimises flushing and water savings. **The flush volume can be adjusted to 2L/4L** to achieve the highest standards for international labels.

For more information see page 8.

Direct flush reduces the risk of leaks, unlike cisterns, where drips and leaks can go unnoticed and generate large water bills.

Comfort

Thanks to its **soft-touch operation**, TEMPOFLUX 2 cross wall can be operated by all users.

The **acoustic level is low** and complies with the requirements of the European standard EN 12541 class II.

Design

TEMPOFLUX 2 has a **timeless design**.

It fits in perfectly with any type of public and commercial building.

In prison, products must be resistant and secure: concealed mechanisms, streamlined designs, etc. The smooth shapes reduce the build-up of dirt and facilitate cleaning.



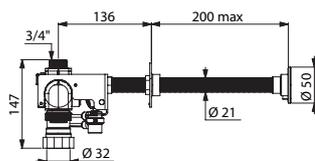
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Vandal-resistant:** cross wall installation, concealed fixings
- **Hygiene:** no cistern: no water stagnation (reduces bacterial development)

TEMPOFLUX 3 AB

Cross wall time flow flush valve



- **Cistern-less flush system:** directly connected to pipework.
- For walls ≤ 200 mm.
- **Soft-touch operation.**
- **AB anti-blocking system:** flush only takes place once the push-button is released.
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- **Stopcock and volume/flow rate adjustment, activation unit and cartridge are all integrated and accessible via the service duct.**
- Chrome-plated metal push-button.
- Shock-resistant mechanism.
- In-line inlet M $\frac{3}{4}$ ".
- Complies with European standard EN 12541 (class II acoustic level).
- Threaded rod can be cut to size.
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Available with or without PVC flush tube.
- Compatible with rain water.
- Suitable for rimless WC pans without flow rate regulation and suitable for people with reduced mobility.
- 30-year warranty.



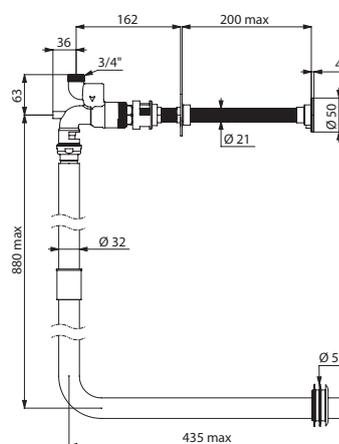
763256

TEMPOFLUX 1

Cross wall time flow flush valve



- **Cistern-less flush system:** directly connected to pipework.
- For walls ≤ 200 mm.
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- **In-line stopcock and flow rate/flush volume adjuster.**
- Chrome-plated metal body.
- Shock-resistant mechanism.
- In-line inlet.
- Connection washer $\varnothing 32/55$ mm.
- Threaded rod can be cut to size.
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Available with or without PVC flush tube $\varnothing 32$ mm.
- Compatible with rain water.
- 30-year warranty.



761210

TEMPOFLUX 1 WC cross wall M $\frac{3}{4}$ " with soft-touch operation

| | |
|-----------------------------------------------------|---------------|
| With flush tube | 761210 |
| Without flush tube | 761110 |
| Alternative cross wall lengths available on request | |

TEMPOFLUX 3 AB WC cross wall

| | |
|--------------------|---------------|
| With flush tube | 763266 |
| Without flush tube | 763256 |





- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Hygiene:** no cistern: no water stagnation (reduces bacterial development)
- **Comfort:** soft-touch operation, low acoustic level complies with European standard EN 12541 class II
- **Easy to install:** modular and adjustable waterproof housing

TEMPOFLUX 3 AB remote

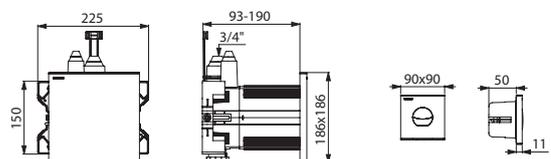
Recessed time flow flush system



- **Cistern-less flush system:** directly connected to pipework.
- **Wall plate** in satin stainless steel 186 × 186mm.
- **Time flow control plate** in satin stainless steel and chrome-plated button 90 × 90mm.
- **Waterproof recessing housing:**
 - Collar with waterproof seal.
 - Hydraulic connection from the outside and maintenance from the front.
 - Adjusts to all types of installation (rails, solid walls, panels).
 - Compatible with wall finishes 10 - 120mm (while maintaining the minimum recessing depth of 93mm).
 - Suitable for standard or "pipe-in-pipe" supply.
 - Stopcock and flow rate adjustment, filter and cartridge are integrated and accessible from the front.
 - TEMPOFLUX 3 F^{3/4}" flush valve is compatible with sea water, rain water and grey water.
 - Vacuum breaker inside the housing.
- **Soft-touch operation.**
- **AB anti-blocking system:** water only flows when push-button is released.
- **Dual flush 3L/6L, can be adjusted to 2L/4L.**
- Outlet connection for PVC tube Ø 26/32mm.
- Acoustic level complies with European standard EN 12541 class II.
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Suitable for rimless WC pans without flow rate regulation and suitable for people with reduced mobility.
- 30-year warranty.

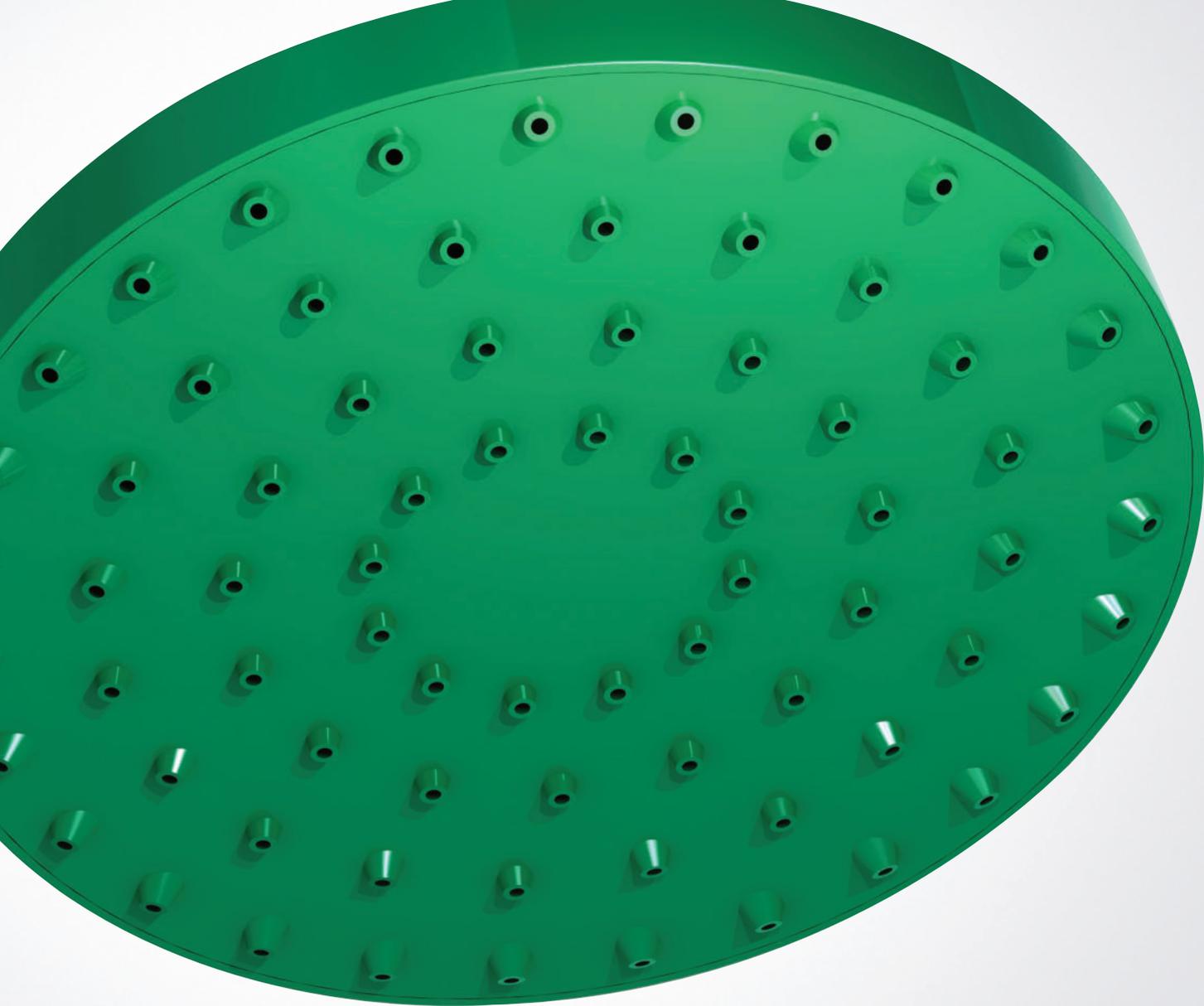


Other installation possibilities: see page 224.



| | |
|------------------------------------------|---------------|
| TEMPOFLUX 3 AB WC remote | 763300 |
| We recommend a flush tube (see page 234) | |

763300



Safety controls

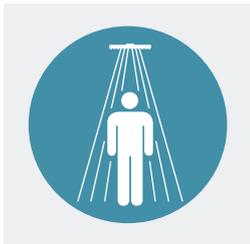
SOLUTIONS FOR
SAFETY CONTROLS
252



SAFETY
SHOWERS
255



EYE WASH
STATIONS
256



Even, conical flow

SAFETY CONTROLS: SPECIFICALLY DESIGNED FOR RAPID DECONTAMINATION

In order to address the risk of contamination to the body, face and/or eyes posed by harmful chemicals, DELABIE has developed a range of safety controls. DELABIE's safety showers and eye wash stations provide users with an **efficient decontamination** facility at the site of the incident, especially during the initial treatment phase.



Optimised rinsing for eyes

Safety

The shower head with spray diffuser ensures an optimised spray for the whole body. The diameter and orientation of the diffuser ensures an **even, conical flow**.

The spray heads are fitted with aerators and stainless steel double filters to prevent any large debris in the water pipes coming into contact with the eyes. Protective caps prevent dust and other airborne contaminants entering the valve. The controls are easy to access.



Frost-free system comes as standard

Reliable

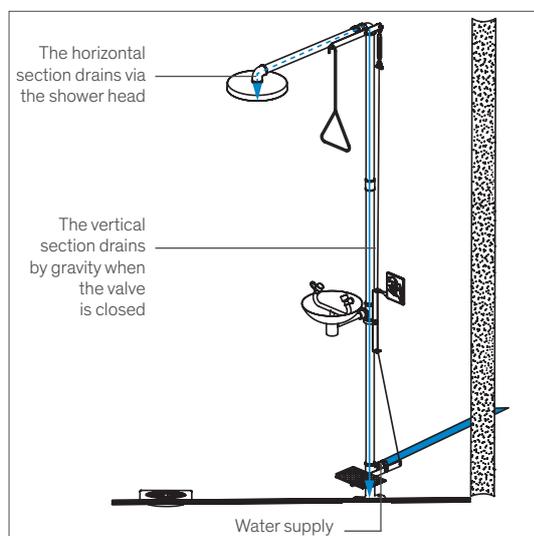
DELABIE's safety controls are fitted with **frost-free mechanisms as standard** (see below). They are made from corrosion-resistant materials.

Frost-free system as standard

Most safety equipment is installed outside or in buildings that are not heated. DELABIE's safety controls are fitted with frost-free systems as standard and can be installed inside or outside buildings.

The frost-free system ensures that the riser column and shower head will deliver a proper spray with every use (see below).

The upstream supply pipework must also be protected from freezing temperatures.



Efficient

DELABIE's safety controls deliver large flow rates which ensure rapid decontamination:

- Eye wash stations: flow rate 20 lpm at 3 bar dynamic pressure.
- Showers: flow rate 96 lpm at 3 bar dynamic pressure.

The diameter and position of the 74 holes in the shower head are designed for optimised rinsing.

User comfort

The protective caps eject automatically with the pressure when the equipment is activated.

The spray heads are fitted with aerators which ensure a **gentle spray** to avoid further injury to the user.

Quick to install

DELABIE's safety controls are quick and easy to install. A mixed, potable water supply should be considered (DELABIE recommends installing a pre-mixer or a thermostatic mixing valve depending on the nature and flow rate of the equipment, see page 143). So that the location of safety controls can be easily identified, green identification signs are supplied with each item.

Easy to operate

DELABIE's safety controls are designed to be **quick and easy to operate**.

Water flows when the triangular handle is pulled, the foot pedal is pressed or the hand control is pulled towards the user.

Compliance

DELABIE's safety controls comply with the following European standards:

- safety showers: European standard EN15154-1.
- eye wash stations: European standard EN15154-2.
- identification signs: International standard ISO 3864-1 covering graphic symbols, safety colours and safety signs in the work place and public places. This standard is included in the European directive 92/58/CEE standard.

Easy to maintain

Standard parts **can be replaced without dismantling the equipment**. Maintenance staff can change the parts quickly and easily.

The equipment must be checked every 15 days to ensure that it is in good working order.

30-year warranty against any manufacturing defects. **50 years reparability**.

CIRCULAR SHOWER HEAD
Even, conical flow



IDENTIFICATION SIGN FOR SAFETY SHOWERS

ERGONOMIC HANDLE
activates shower
and eye wash simultaneously



GALVANISED STEEL RISER COLUMN
Reliable

IDENTIFICATION SIGN FOR EYE WASH STATIONS



EYE WASH STATION WITH GENTLE SPRAY
User comfort

STAINLESS STEEL BASIN
Reliable

140mm



HAND CONTROL
activates eye wash

DRAINAGE
F1¼"

FOOT CONTROL
activates eye wash



WATER INLET F1"

BRASS FIXING PLATE
Reliable



Eye wash and shower combination 9203



- **Effective:** large flow rates for rapid decontamination
- **Frost-free protection:** frost-free system as standard, riser column and shower head drain
- **Comfort:** quick and easy to activate, gentle spray for users

Eye wash and shower combination

Free-standing



- **Frost-free system as standard.**
- 304 stainless steel basin Ø 250mm with green finish.
- Eye wash spray heads fitted with protective caps in shock-resistant, green ABS. Caps eject automatically when eye wash is activated.
- **Flow rate 20 lpm** at 3 bar dynamic pressure, aerators with stainless steel double filters.
- Circular shower head Ø 250mm in green, shock-resistant ABS.
- **Flow rate 96 lpm** at 3 bar dynamic pressure.
- Water supply F1".
- Pipes made from galvanised steel, grey powder-coated finish. Triangular pull handle in green powder-coated brass. Hand and foot controls in green powder-coated galvanised steel.
- Fixed to the floor by a brass plate (screws not included).
- Supplied with identification signs for first aid equipment: "Safety Shower" and "Safety Eye Wash".
- 30-year warranty.

Operation:

¼-turn, nickel-plated brass valves open and close quickly.

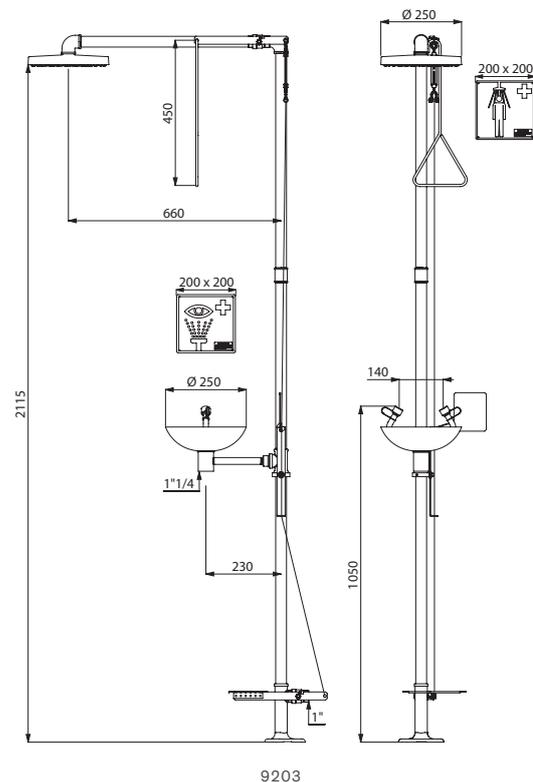
Simultaneous eye wash and shower:

- Water flows simply by pulling on the triangular handle. The flow will continue even when the handle is released.
- The flow will stop when the handle is returned to its original position.

Eye wash only:

- Water flow is operated by the foot pedal or the hand control. The eye wash will continue to flow when the pedal or hand control is released.
- The water flow will stop when the hand control is pulled towards the user or the foot pedal is raised.

The water does not shut off automatically, allowing the injured person to have both hands free (to remove their clothing, keep their eyes open, etc.).



9203

| | |
|----------------------------------------------|-------------|
| Eye wash and shower combination | 9203 |
| We recommend installing a TMV (see page 143) | |

DELABIE / Showers and eye wash stations



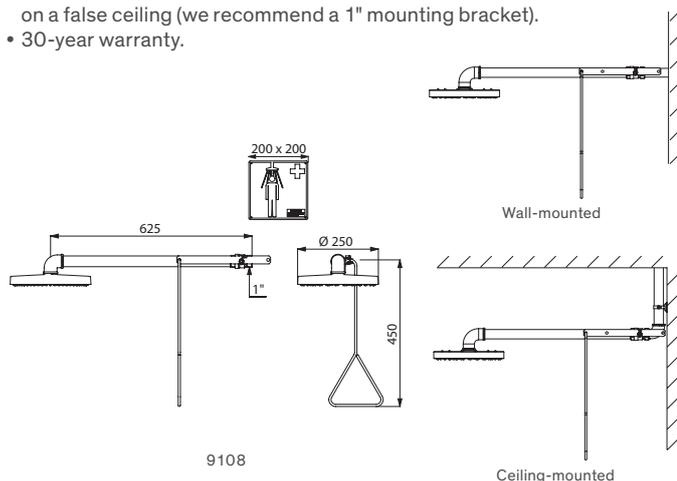
- **Effective:** large flow rate for rapid decontamination
- **Safety:** eye wash spray heads fitted with protective caps, stainless steel filters stop debris coming into contact with eyes
- **Frost-free protection:** frost-free system as standard, free-standing model drains automatically
- **Comfort:** quick and easy to activate, gentle spray for users

Wall-mounted recessed safety shower

Horizontal model with manual control



- **Frost-free system as standard.**
- Circular shower head Ø 250mm in green, shock-resistant ABS.
- ¼-turn, nickel-plated brass valve opens and closes quickly.
- Water flows simply by pulling on the triangular handle.
- The flow will continue even when the handle is released.
- The flow will stop when the handle is returned to its original position.
- **Flow rate 132 lpm** at 3 bar dynamic pressure.
- Water supply F1".
- Pipes made from galvanised steel, grey powder-coated finish.
Triangular pull handle in green powder-coated brass.
- Supplied with identification sign for first aid equipment: "Safety Shower".
- For cross wall installation, with recessed supply, or for mounting on a false ceiling (we recommend a 1" mounting bracket).
- 30-year warranty.



Wall-mounted safety shower **9108**

We recommend installing a TMV (see page 143)

Eye wash station

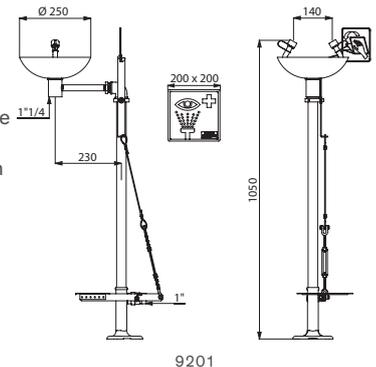
Manual and pedal control



- Free-standing eye wash station fitted with **frost-free system as standard.**
- Green powder-coated 304 stainless steel basin Ø 250mm.
- Eye wash spray heads fitted with protective caps in green ABS; will eject automatically when activated.
- ¼-turn, nickel-plated brass valves open and close quickly.

Operation:

- Model 9201: water runs when pedal or manual control is pushed.
- Model 9102: water runs when manual control is pushed.
- The eye wash will continue to operate when the pedal or manual control is released. The water flow will stop when the manual control is pulled towards the user and the pedal is raised on column versions.
- **Flow rate 20 lpm** at 3 bar dynamic pressure, aerators with stainless steel double filters.
- Pipes made from galvanised steel, powder-coated grey finish.
- Pedal and manual controls in green powder-coated galvanised steel.
- Fixed to the floor by a brass plate (screws not included).
- Supplied with identification sign for first aid equipment: "Safety Eye Wash".
- 30-year warranty.



Free-standing eye wash station

| | |
|---------------------------------|-------------|
| Free-standing, water supply F1" | 9201 |
| Wall-mounted, water supply M½" | 9102 |

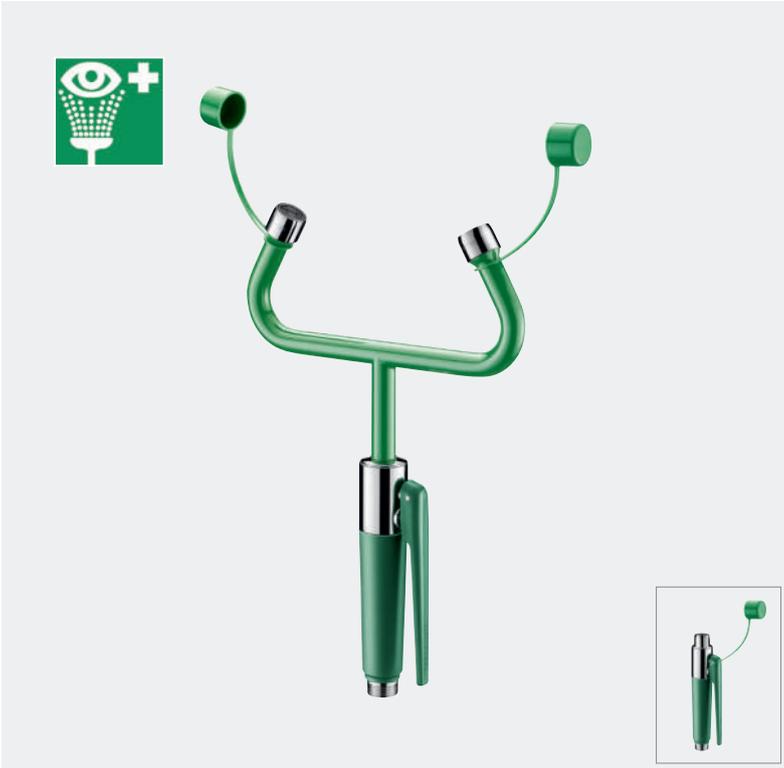
We recommend installing a TMV (see page 143)



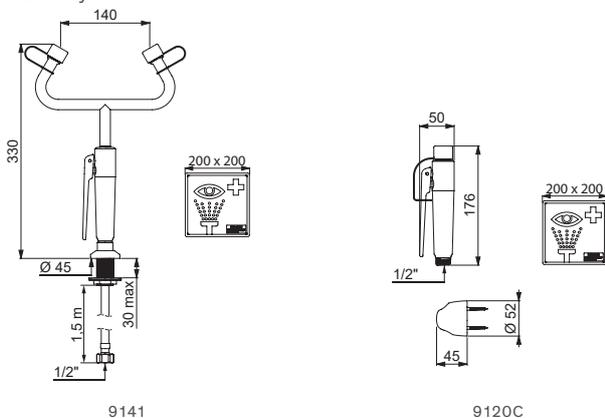
- **Effective:** large flow rate for rapid decontamination
- **Safety:** eye wash spray heads fitted with protective caps, stainless steel filters stop debris coming into contact with eyes
- **Comfort:** ergonomic grip in green polypropylene

Trigger-operated eye wash - dual / single spray

Trigger-operated



- Eye wash spray heads fitted with protective caps in green ABS; will eject automatically when activated.
- Press the trigger to operate eye wash spray.
- A spring automatically shuts off spray.
- Aerator with stainless steel double filters.
- Ergonomic grip and trigger in green polypropylene.
- Supplied with identification sign for first aid equipment: "Safety Eye Wash".
- 30-year warranty.



| Trigger-operated eye wash - dual spray (flow rate 9 lpm) | |
|------------------------------------------------------------|--------------|
| Wall-mounted with support | 9121 |
| Deck-mounted, flexible L.1.50m 15 × 100 ½" | 9141 |
| Trigger-operated eye wash - single spray (flow rate 6 lpm) | |
| Wall-mounted with support | 9120C |
| Deck-mounted, flexible L.1.50m 15 × 100 ½" | 9140C |

We recommend installing a TMV (see page 143)

Additional fittings



Aerator F22/100:

- Aerator F22/100 with grid for comfortable spray.
- For hand sprays ref. 9120C, 9140C, 9121 and 9141 or for eye wash stations ref. 9102, 9201 and 9203.



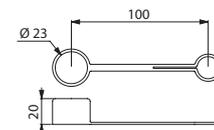
A22D75

| Aerator F22/100 | |
|-----------------------|----------------|
| For hand sprays | A22D75 |
| For eye wash stations | A22LY75 |



Protective caps for aerators:

- Protective caps in green, shock-resistant ABS to protect the spray heads.
- Eject automatically when eye wash is activated.
- Supplied in packs of 2.



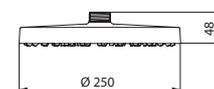
91AA75

| Protective caps | 91AA75 |
|-----------------|---------------|
|-----------------|---------------|



Shower head:

- Circular shower head Ø 250mm M1".
- Green, shock-resistant ABS.
- **Flow rate 132 lpm** at 3 bar dynamic pressure.
- Water supply F1".
- 30-year warranty.



9225

| Shower head | 9225 |
|-------------|-------------|
|-------------|-------------|



Sanitary technical data

Spare parts

Reference index

SANITARY
TECHNICAL DATA

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SPARE PARTS

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GENERAL RULES FOR SANITARY INSTALLATIONS

Sanitary installations must comply with local and national water supply regulations (Water Supply Regulations, Scottish Bylaws, NF P 41-205, REEF).

These are, however, often incomplete non-domestic installations. They require a particular assessment.

Pipework diameters are often chosen depending on the flow rate they provide to the different points-of-use, their development, the distribution height and the minimum static pressure available.

Every country has its own rules based on the same principals. Please refer to local and national regulations.

CALCULATION CRITERIA FOR WATER SUPPLY PIPES

Total pressure

Static pressure at the water meter.

Static pressure

Pressure with no flow at a single point in the installation.

Dynamic pressure

Pressure under flow at a single point in the installation.
Maximum pressure for time flow valves to operate: 10 bar.
Recommended pressure range: 1 to 5 bar.
Recommended pressure on each floor: 3 bar.

(x) = number of time flow or electronic valves per installation branch.

Base flow rate (Q min L/sec.)

Minimum flow rate per fitting, serving as model for calculation. The base flow rates of time flow and electronic valves are mentioned in the catalogue and *table 2* (see page 262). Base flow rates are always presented in relation to dynamic pressure.

Gross flow rate (Q)

Sum of base flow rate of the different valves on the same branch.

Design flow rate

Gross flow rate (Q) x simultaneous coefficient (Y).

Simultaneous coefficient

(Y) coefficient to apply to gross flow rate, relative to the number of installed valves (x) to simulate the number of valves operating simultaneously.

This coefficient will vary according to the type of product, run time and frequency of use of the sanitary facilities.

For example: the probability of having multiple showers operating at the same time is a lot higher than it is for WC flushes: a DELABIE shower runs for approximately 30 seconds at a time (over the length of the shower) while WC direct flush system (cistern-less) only lasts a few seconds.

• Point-of-use: urinal, shower or basin.

Use the following formula:

$$Y = \frac{0,8}{\sqrt{x-1}}$$

• Direct flush valve (cistern-less WC)

Flush valves, which only operate for a few seconds, are not counted the same way as other fittings in the calculation. These flush valve equivalents are as follows:

- for 3 installed valves: 1 valve operating
- for 4 to 12 installed valves: 2 valves operating
- for 13 to 24 installed valves: 3 valves operating
- for 25 to 50 installed valves: 4 valves operating
- for more than 50 installed valves : 5 valves operating.

Please note minimum dynamic pressure required for the correct functioning of fittings is as follows:

| Product family | Ranges | Required dynamic pressure |
|----------------|-----------------------------------------------------------|---------------------------|
| Basins | TEMPOSTOP, TEMPOGENOU, MIX-MONOFOOT, TEMPOMATIC, BINOPTIC | 0.5 bar min. |
| | TEMPOSOFIT, TEMPOMIX | 1 bar min. |
| Showers | TEMPOSTOP, TEMPOMATIC, mechanical | 0.5 bar min. |
| | SPORTING 2, TEMPOSOFIT, TEMPOMIX, OUTDOOR | 1 bar min. |
| Urinals | TEMPOSTOP, TEMPOMATIC | 0.5 bar min. |
| | TEMPOSOFIT, TEMPOFLUX | 1 bar min. |
| WCs | TEMPOFLUX, TEMPOCHASSE, TEMPOMATIC | 1 bar min. |

RECOMMENDATIONS FOR CONNECTION PIPE DIAMETER

To simplify your work, here are DELABIE's recommendations for selecting the correct internal diameter for horizontal final pipework (*table 1*). These diameters are calculated according to the base flow rates recommended by DELABIE for each point-of-use as well as the simultaneous coefficient calculated following the rules detailed in the previous chapter.

For pipes that are joined or connected using other types of quick connectors, the interior diameter of the passage through the connection should be verified.

Important: after choosing the diameter, check whether the residual dynamic pressure is sufficient at the valve inlets. Loss of pressure in the installation should also be considered.

TABLE 1 / PIPEWORK DIAMETER RELATIVE TO THE NUMBER OF TIME FLOW OR ELECTRONIC VALVES

Horizontal pipe runs - Design velocity 2 m/sec.

| Time flow or electronic valve | Number of valves supplied on the same pipe run | FLOW RATE | | PIPE Minimum interior diameter |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|-----------------------------------|
| | | Gross flow rate L/sec. | Design corrected L/sec. | |
|  BASIN Base flow rate 0.05 L/sec. | 1 | 0.05 | 0.05 | 6 |
| | 2 or 3 | 0.10 to 0.15 | 0.08 | 7 |
| | 4 to 6 | 0.20 to 0.30 | 0.09 to 0.11 | 8 |
| | 7 to 11 | 0.35 to 0.55 | 0.11 to 0.14 | 9 |
| | 12 to 17 | 0.60 to 0.85 | 0.14 to 0.17 | 10 |
| | 18 to 25 | 0.90 to 1.25 | 0.17 to 0.20 | 11 |
| | 26 to 36 | 1.30 to 1.80 | 0.21 to 0.24 | 12 |
| | 37 to 50 | 1.85 to 2.50 | 0.25 to 0.29 | 13 |
|  SHOWER Base flow rate 0.10 L/sec. | 1 | 0.10 | 0.10 | 8 |
| | 2 or 3 | 0.20 to 0.30 | 0.16 to 0.17 | 10 |
| | 4 or 5 | 0.40 to 0.50 | 0.18 to 0.20 | 11 |
| | 6 to 8 | 0.60 to 0.80 | 0.21 to 0.24 | 12 |
| | 9 to 15 | 0.90 to 1.50 | 0.25 to 0.32 | 13 to 14 |
| | 16 to 27 | 1.60 to 2.70 | 0.33 to 0.42 | 15 to 16 |
| | 28 to 50 | 2.80 to 5 | 0.43 to 0.57 | 17 to 19 |
| |  URINAL With water nozzle and stall Flow rate 0.15 L/sec. | 1 | 0.15 | 0.15 |
| 2 to 4 | | 0.3 to 0.60 | 0.24 to 0.28 | 12 to 13 |
| 5 to 8 | | 0.75 to 1.20 | 0.30 to 0.36 | 14 to 15 |
| 9 to 14 | | 1.35 to 2.10 | 0.38 to 0.47 | 16 to 17 |
| 15 to 23 | | 2.25 to 3.45 | 0.48 to 0.59 | 18 to 19 |
| 24 to 35 | | 3.60 to 5.25 | 0.60 to 0.72 | 20 to 21 |
| 36 to 50 | | 5.40 to 7.50 | 0.73 to 0.86 | 22 to 23 |
|  SIPHON ACTION URINAL With small independent plastic or ceramic waste Base flow rate 0.25 L/sec. | | 1 | 0.25 | 0.25 |
| | 2 or 3 | 0.50 to 0.75 | 0.40 to 0.42 | 16 |
| | 4 to 7 | 1 to 1.75 | 0.46 to 0.57 | 17 to 19 |
| | 8 to 14 | 2 to 3.50 | 0.60 to 0.78 | 20 to 22 |
| | 15 to 25 | 3.75 to 6.25 | 0.80 to 1.02 | 23 to 25 |
| | 26 to 34 | 6.50 to 8.50 | 1.04 to 1.18 | 26 to 27 |
| | 35 to 50 | 8.75 to 12.50 | 1.20 to 1.43 | 28 to 30 |
|  DIRECT FLUSH WC ¾" to 1¼" Base flow rate 1 L/sec. | 1 | 1 | 1 | 20 |
| | 2 or 3 | 2 to 3 | 1 | 25 |
| | 4 to 12 | 4 to 12 | 2 | 36 |
| | 13 to 24 | 13 to 24 | 3 | 44 |
| | 25 to 50 | 25 to 50 | 4 | 50 |
| | +50 | +50 | 5 | 56 |

RECOMMENDATIONS FOR SIZING HORIZONTAL FINAL PIPEWORK

In order to determine the simultaneous coefficient, apply the recommendations from the DTU.
Supply direct flush systems separately.

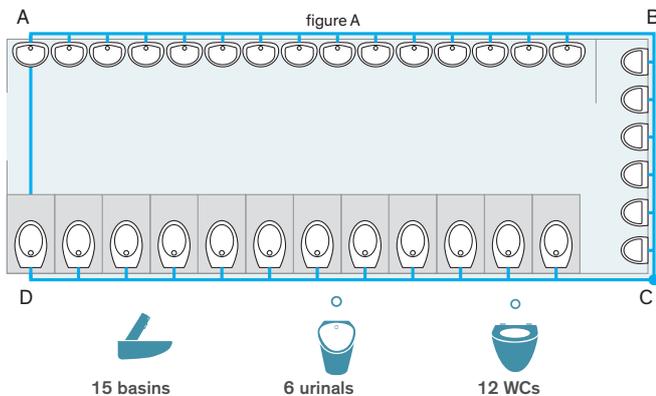
TABLE 2 / CALCULATION RULES FOR CONSIDERING SIMULTANEITY

| | BASINS | SHOWERS | URINALS | SIPHON ACTION URINALS | WCs |
|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Base flow rate (Q min.) | 0.05 L/sec. | 0.10 L/sec. | 0.15 L/sec. | 0.25 L/sec. | 1 L/sec. |
| Simultaneous coefficient (Y) | $\frac{0.8}{\sqrt{(x-1)}}^*$ | $\frac{0.8}{\sqrt{(x-1)}}^*$ | $\frac{0.8}{\sqrt{(x-1)}}^*$ | $\frac{0.8}{\sqrt{(x-1)}}^*$ | 3 valves installed: 1 valve operating 4 to 12 valves installed: 2 valves operating 13 to 24 valves installed: 3 valves operating 25 to 50 valves installed: 4 valves operating more than 50 valves installed: 5 valves operating. |
| Design velocity (V) | 2 m/sec. | | | | |

*The formula presented here is with regards to general use.
In the event of intensive use due to spikes in consumption (schools during break time, stadiums during half time, etc.), consult the project manager in order to establish the adequate level of simultaneity.
The constant of 0.8 can therefore be increased to a maximum of 2.

1. Collect installation data for each branch

Example:



2. Calculate the design flow rate per installation branch

Add the base flow rates from the different fittings.
See Q min. calculation table 2.

• ABC branch: basins urinals

Gross flow rate

| | Branch | Number of fittings | Min. flow rate (Q min.) | Gross flow rate (Q) |
|--|--------|--------------------|--------------------------|---------------------|
| | AB | 15 basins | \times 0.05 L/sec. | $=$ 0.75 L/sec. |
| | BC | 6 urinals | \times 0.15 L/sec. | $=$ 0.9 L/sec. |
| | | 21 fittings | Gross flow rate (Q min.) | $=$ 1.65 L/sec. |

Simultaneous coefficient

To determine the simultaneous coefficient, follow the recommendations in table 2 and apply the formula:

$$Y = \frac{0.8}{\sqrt{(x-1)}}$$

Probable flow rate

The multiply the gross flow rate (Q) with the simultaneous coefficient (Y) in order to determine the probable flow rate.

| Gross flow rate (Q) | Simultaneous coefficient (Y) | Design flow rate |
|---------------------|------------------------------------|------------------|
| 1.65 L/sec. | $\times \frac{0.8}{\sqrt{(21-1)}}$ | $=$ 0.30 L/sec. |

• CD branch: Direct flush systems

Gross flow rate: 1 L/sec.

| | Branch | Number of fittings |
|--|--------|--------------------|
| | CD | 12 WCs |

Simultaneous coefficient

For direct flush, follow recommendation in table 2.

For 12 flush valves installed, there will only be 2 used simultaneously.

Probable flow rate

| Min. flow rate | Number of valves counted | Probable flow rate |
|----------------|--------------------------|--------------------|
| 1 L/sec. | \times 2 | $=$ 2 L/sec. |

3. Choice of pipework diameter: using the Darius Abacus chart

Reading the DARIUS ABACUS

Mark the design flow rate and the design velocity, join these points with a ruler.

The diameter and pressure drops can now be read on the corresponding scales.

• ABC branch: basins & urinals

(V) Design velocity = 2 m/sec.

(Q) Design flow rate = 0.30 L/sec.

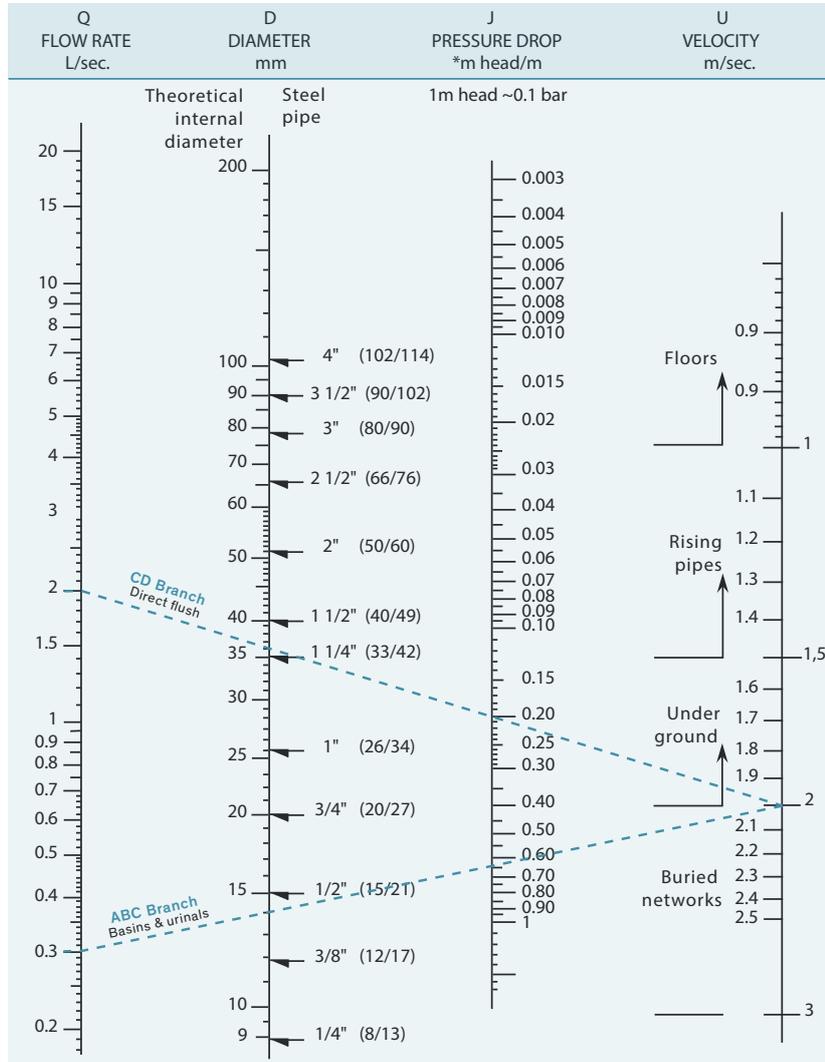
- Ø minimum interior of final horizontal pipework: 14mm

• **CD branch: direct flush**

(V) Design velocity = 2 m/sec.

(Q) Design flow rate = 2 L/sec.

- Ø minimum interior of final horizontal pipework: 36mm



4. Pressure drop

In line with the rules of use, the pressure drop should be checked in the whole installation so as to confirm the choice of diameter.

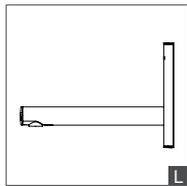
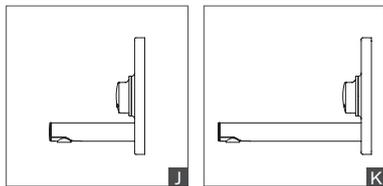
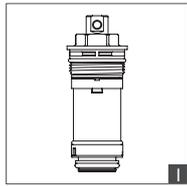
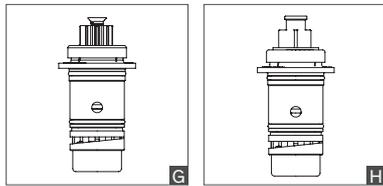
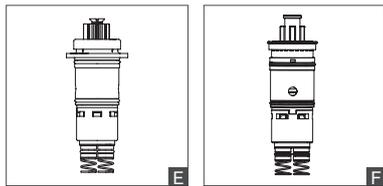
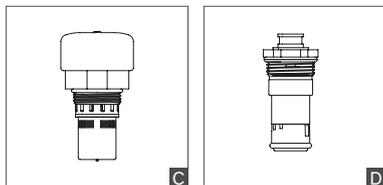
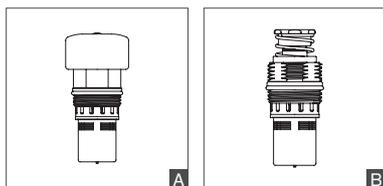
There are 3 types of pressure loss to consider:

- **Regular (or linear) pressure drops** concerning the installation. They are linked to friction in the pipework. The material (copper, multilayer, PEX, iron) used for the pipework also plays a role.
- **Slopes (or variation in altitude)** in the installation.
- **Specific (or individual) pressure drops** are linked to the equipment (water meter, pressure reducers, boilers, group thermostatic mixing valves, elbows etc.). Contact manufacturers for more information.

Then check that the residual dynamic pressure is sufficient at each point-of-use.

If the drops in pressure are too significant to supply the furthest valve, choose a larger diameter or use a tank with a pressure pump (contact manufacturers).

BASINS



Cartridges

| | Time flow (sec.) | Maintenance kit | Complete cartridge | Type |
|--------------------------------------------------------------------------------------------------------|------------------|-----------------|--------------------|------|
| For TEMPOSTOP | | | | |
| 744000, 745100, 745107, 745200, 745250, 745257, 745300, 746000, 746007, 746292 | 7 | - | 743006 | A |
| 745440, 745450, 746410, 747121, 748126 | 7 | - | 743306 | B |
| 737152, 737202 | 3 | - | 743324 | B |
| 741943, 741945, 747122L, 702451 | 7 | - | 743306AB | B |
| 744001, 745101, 745301, 745351, 746001 | 7 | - | 743006AB | A |
| 748150 | 15 | - | 743011 | A |
| 748151 | 15 | - | 743011AB | A |
| For TEMPOSTOP 2 / TEMPOMIX 2 | | | | |
| 700000, 700100, 702000 | 7 | - | 743910 | C |
| 700000, 700100, 702000 | 15 | - | 743903 | - |
| 700001, 700101, 702301, 702351 | 7 | - | 743910AB | C |
| 700001, 700101, 702301, 702351 | 15 | - | 743903AB | - |
| 700400, 700500, 702400 | 7 | - | 743306 | B |
| For TEMPOSOFT | | | | |
| 740000, 741000, 742000, 742100 | 7 | - | 743747 | D |
| For TEMPOSOFT 2 | | | | |
| 740300, 740500, 741500, 741550, 742500, 742510 | 7 | - | 743747 | D |
| 740300, 740500, 741500, 741550, 742500, 742510 | 15 | - | 743742 | D |
| For TEMPOMIX | | | | |
| 795000 and 795100 (old design) | 7 | 753795 | 743795 | E |
| 795000 and 795100 (new design) | 7 | 753795 | 743791 | F |
| 795926 | 7 | 753795 | 743795 | E |
| 795209 | 7 | 753796 | 743798 | G |
| 796000, 796838, 797000, 798152 (new design) | 7 | 753796 | 743796 | G |
| 796000, 796838, 798152 (new design) | 7 | 753796 | 743786 | H |
| For TEMPOMIX 3 | | | | |
| 794000, 794100, 794150, 794155, 794160, 794165, 794050, 794055, 794350, 794360, 794370, 794200, 794250 | 7 | - | 743894 | I |
| 794000AB, 794100AB, 794150AB, 794160AB, 749155AB, 794165AB | 7 | - | 743894AB | - |
| For non-manual controls | | | | |
| TEMPOGENOU 734100, 735100, 735000, 735400, 735447 | 7 | - | 743305 | B |
| MONOFOOT 736001, 736101, 736102 | - | 753736 | - | - |
| MIXFOOT 739000, 739100, 739102 | - | 753739 | - | - |

Control plates

| | | | | |
|----------------------------------------------------------------------|--|--|-----------|---|
| For TEMPOMIX 3 recessed | | | | |
| Spout L. 110mm | | | 794PLAQ11 | J |
| Spout L. 190mm | | | 794PLAQ19 | K |
| For BINOPTIC recessed | | | | |
| Spout L. 190mm - 6V battery-operated - chrome-plated stainless steel | | | 370BLIPP | L |
| Spout L. 190mm - 6V battery-operated - satin finish stainless steel | | | 370BLISP | L |
| Spout L. 190mm - 230/6V mains - chrome-plated stainless steel | | | 370BLIPS | L |
| Spout L. 190mm - 230/6V mains - satin finish stainless steel | | | 370BLISS | L |

SHOWERS

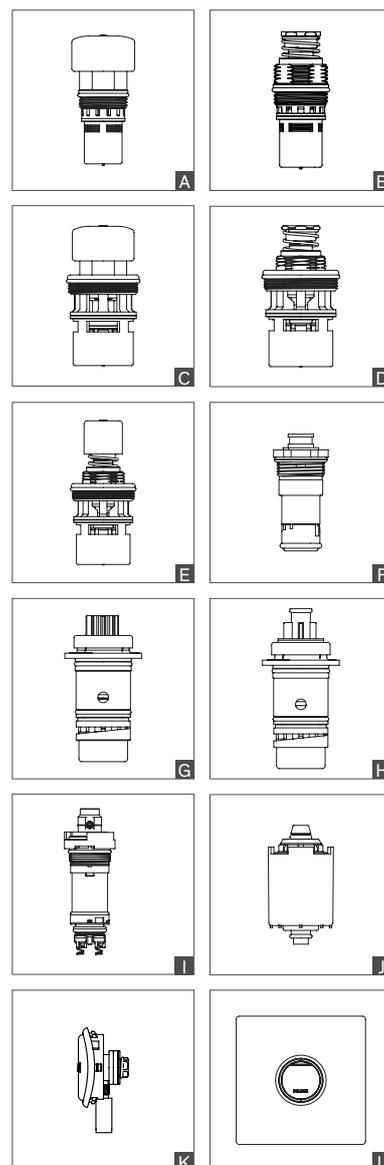
| Cartridges | Time flow (sec.) | Maintenance kit | Complete cartridge | Type |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|--------------------|------|
| For TEMPOSTOP | | | | |
| 747000, 748000 | 15 | - | 743011 | A |
| 747004, 747006, 747500 | 15 | - | 743311 | B |
| 749000 | 30 | 753749 | 743749 | C |
| 749BOX | 30 | 753149 | 743644 | - |
| 749570, 749700, 749770, 749001, 749715, 749725 | 30 | 753149 | 743700 | C |
| 749142, 749146, 749152, 749159, 749212, 749219 | 30 | 753149 | 743642 | D |
| 749128, 749628, 749925 | 30 | 753149 | 743428 | E |
| 747122, 747214 | 15 | - | 743311AB | B |
| For TEMPOSOFT 2 | | | | |
| 747800, 747801, 748800, 749422, 749428, 749429, 749870 | 30 | - | 743743 | F |
| For TEMPOMIX | | | | |
| 790000, 790001, 790006, 790008, 790204, 790214, 790218, 790219, 790300, 790305, 790310, 790350, 790425, 790427, 790709, 790712, 790874, 790875, 790909, 790912, 790925, 790927, 790970 (old design) | 30 | 753790 | 743790 | G |
| 790000, 790001, 790006, 790008, 790204, 790214, 790218, 790219, 790300, 790305, 790310, 790350, 790425, 790427, 790709, 790712, 790874, 790875, 790909, 790912, 790925, 790927, 790970 (new design) | 30 | 753790 | 743789 | H |
| 796152, 796159, 796202, 796209 | 30 | 753790 | 743797 | G |
| For TEMPOMIX 3 | | | | |
| 794450, 794400, 794470, 794218, 794219 | 30 | - | 743899 | I |
| For SPORTING | | | | |
| 713000, 714000, 714002 | 30 | - | 743714 | J |
| Starter only for: ditto | - | - | 714764 | - |
| 714700 | 30 | - | 743715 | J |
| Starter only for: 714700 | - | - | 714765 | K |
| Recessed nozzle: conical flow | - | - | 714BE | - |
| Recessed nozzle: rain-effect | - | - | DP | - |
| 714732, 714735 | 30 | - | 743716 | - |
| 714732AB, 714735AB | 30 | - | 743716AB | - |
| For OUTDOOR shower column | | | | |
| 717510, 717511, 717520, 717521, 717540 (shower) | 15 | - | 743742 | - |
| 717511, 717521 (foot-rinse) | 3 | - | 743744 | - |

Control plate

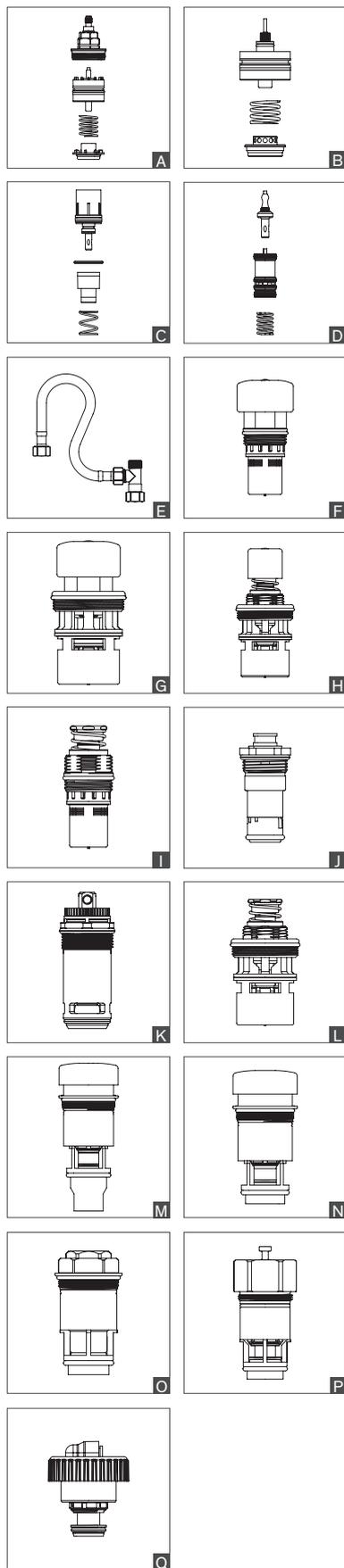
| | | |
|-------------------------|---------|---|
| For TEMPOMIX 3 recessed | 794PLAQ | L |
|-------------------------|---------|---|

Thermostatic cartridge

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---|
| SECURITHERM shower panel | | |
| 792300, 792303, 792304, 792305, 792310, 792313, 792314, 792320, 792324, 792330, 792334, 792340, 792344, 792350, 792354, 792370, 792380, 792390, 792400, 792403, 792404, 792410, 792413, 792414, 792504, 792514 | 743792 | - |



THERMOSTATIC MIXERS



| | Repair kit | Type |
|---------------------------------------------|---------------|----------|
| For PREMIX SECURITY after June 2008 | | |
| 731052, 731053 | 753750 | A |
| 731054, 731055 | 753755 | B |
| For PREMIX COMFORT after June 2008 | | |
| 731002, 731200, 731003, 731300 | 753730 | A |
| 731004, 731400, 731005, 731500 | 753735 | B |
| For PREMIX COMPACT | | |
| 733015, 733016, 733020, 733021 (old design) | 753733 | C |
| 733015, 733020 (new design) | 753734 | - |
| For PREMIX NANO | | |
| 732012, 732016, 732115, 732116, 732216 | 743732 | D |
| Connection kit 3/8" for 732216 | 732515 | E |

URINALS

Cartridges

| | Time flow (sec.) | Maintenance kit | Complete cartridge | Type |
|------------------------------------------------|------------------|-----------------|--------------------|----------|
| For TEMPOSTOP | | | | |
| 777000, 778000 | 3 | - | 743004 | F |
| 779000 | 7 | - | 743707 | G |
| 779BOX | 7 | - | 743645 | - |
| 779128, 779427 | 7 | - | 743528 | H |
| 777200, 777924, 538300, 538350, 538400, 538450 | 3 | - | 743324 | I |
| For TEMPOSOFT 2 | | | | |
| 777130, 777140, 777800, 778800 | 3 | - | 743744 | J |
| For TEMPOFLUX | | | | |
| 778755, 778757, 778700 | 3 | - | 743778 | K |
| 778755, 778757, 778700 | 7 | - | 743777 | K |

Control plate

| | | |
|---------------------------|---------------|---|
| TEMPOFLUX recessed | 778PIS | - |
|---------------------------|---------------|---|

WCs

Cartridges

| | Time flow (sec.) | Maintenance kit | Complete cartridge | Type |
|------------------------------------------------|------------------|-----------------|--------------------|----------|
| For TEMPOCHASSE | | | | |
| 760000, 760004, 760005, 760450 | 7 | 753779 | 743779 | G |
| 760150, 760220, 760605, 760627, 760700 | 7 | 753779 | 743605 | L |
| 760410 | 7 | 753779 | 743705 | L |
| For TEMPOFLUX | | | | |
| 761000, 761001, 761002, 761003, 761004, 761025 | 7 | 753761 | 743761 | M |
| 761627, 761900, 761920 | 7 | 753761 | 743762 | N |
| 761150, 761200, 761700 | 7 | 753763 | 743763 | O |
| For TEMPOFLUX 2 | | | | |
| 762901, 762902, 576211, 578300, 578305, 792150 | 7 | - | 743622 | P |
| 576227, 578400, 578405 | 7 | - | 743677 | - |
| For TEMPOFLUX 3 | | | | |
| 763000, 763030, 763040, 763041, 763256, 763266 | 7 | - | 743765 | Q |

Control plates

| | | |
|-----------------------------|---------------|---|
| TEMPOFLUX 3 recessed | | |
| Satin stainless steel | 763PIM | - |
| Chrome-plated metal | 763PMM | - |
| Black glass | 763PVM | - |

AERATORS, FLOW STRAIGHTENERS, FILTERS, SCREWS, OTHER

| | Repair kit | Type |
|--------------------------------------------------------------------|------------|------|
| Scale-resistant aerators | | |
| F22 with ECO washer (2 per pack) | 925622.2P | A |
| M24 with ECO washer (2 per pack) | 925624.2P | B |
| Comfort aerators | | |
| M16.5×100 (2 per pack) | 925616.2P | C |
| Removal key | 222429 | D |
| ECO aerators 1.4 lpm | | |
| M24×100 (2 per pack) | 925724.2P | E |
| M16.5×100 (2 per pack) | 925716.2P | F |
| Flow straighteners at 3 lpm adjustable with 2.5mm Allen key | | |
| F22×100 with adjustable flow rate (2 per pack) | 922022.2P | G |
| M24×100 with adjustable flow rate (2 per pack) | 922024.2P | H |
| Key to adjust (2.5mm Allen key) | C282025 | K |
| Flow straighteners | | |
| Ø 18 for TEMPOSTOP 2 and TEMPOMIX 2 | 700BJ | - |
| Ø 13mm for TEMPOSTOP and TEMPOSOFT 2 | BJ13V | - |
| M16.5×100 (2 per pack) | 922016.2P | I |
| Removal key for flow straightener M16.5×100 | 222429 | D |
| BIOSAFE outlet | | |
| M16.5×100 (2 per pack) | 923016.2P | J |
| Removal key | 222429 | D |
| Flat filter washers | | |
| Nylon, mesh 0.5mm for nuts 1/2" (10 per pack) | 60212.10P | L |
| Nylon, mesh 0.5mm for nuts 3/4" (10 per pack) | 60234.10P | L |
| Conical filter 0.5mm mesh for nuts 3/8" (10 per pack) | 60438.10P | - |
| Non-return valves | | |
| DW15 | 900015 | - |
| DW20 | 900020 | - |
| Tamperproof screws TORX M5 × 25 + metal plugs (4 per pack) | 999049 | - |
| Reinforced fixings kit for deck-mounted basin controls | | |
| Fixing plate | 256P | - |
| Fixing plate with threaded rods | 256FIX | - |

BINECO CONTROLS

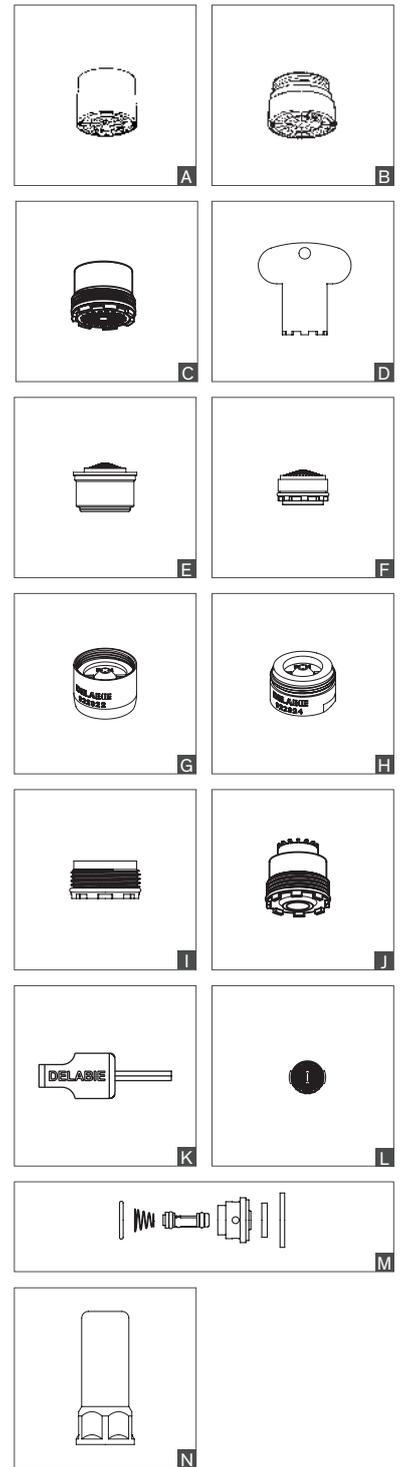
| | Repair kit | Type |
|-------------------------------------------------------------------------------------------------------------------|------------|------|
| BINECO shower, water fountain tap and bubbler | | |
| For shower push-starter 83000, 84000, 83APL, 84APL For water fountain tap and bubbler 311, 312, 319, 322, 323. | KBP311N | M |

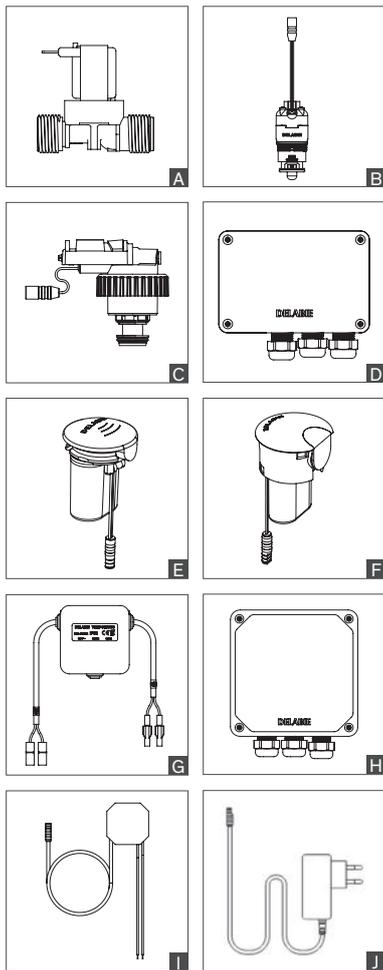
ADLACTION WATER HAMMER ABSORBERS

- With stainless steel spring and piston
- Absorbs the smallest variations in pressure and water hammer up to 20 bar. Solid cast brass.



| ADLACTION water hammer absorbers | | |
|-----------------------------------------|-------|---|
| F1/2" - H.90 | 23015 | N |
| F3/4" - H.92 | 23020 | N |
| F1" - H.98 | 23026 | N |
| F1 1/4" - H.103 | 23033 | N |





SOLENOID VALVES

| For basins, showers, urinals and WCs | | |
|------------------------------------------------------------------------------------------------------------------------------------|--------|---|
| 12V MM $\frac{1}{2}$ " for TEMPOMATIC showers or urinals | 495626 | A |
| 12V MM $\frac{3}{8}$ " for TEMPOMATIC 1 and 2, BINOPTIC and TEMPOMATIC basin controls | 495612 | A |
| 12V MM $\frac{3}{4}$ " for TEMPOMATIC multi-urinals | 429101 | A |
| 12V MM1" for WCs and urinals except 463326 | 461035 | - |
| 12V MM1" for WCs 463326 | 461034 | - |
| 6V for TEMPOMATIC 3 basins (old design) | 479651 | B |
| 6V for TEMPOMATIC 3 basins (after May 2023) | 479650 | B |
| 6V for TEMPOMATIC 4 basins (with adjustable flow rate) | 479650 | B |
| 6V for TEMPOMATIC 5 | 479666 | - |
| 6V MM $\frac{3}{8}$ " for TEMPOMATIC 1 and 2 and BINOPTIC | 495606 | - |
| 6V MM $\frac{1}{2}$ " for TEMPOMATIC and SECURITHERM shower panels | 479662 | - |
| 6V for SPORTING 2 and SPORTING 2 SECURITHERM | 479661 | - |
| 6V MM $\frac{1}{2}$ " SECURITHERM recessed for showers | 479665 | - |
| 6V MM $\frac{1}{2}$ " for recessed BINOPTIC and TEMPOMATIC 4 for urinals | 430646 | - |
| 6V for TEMPOMATIC 3 urinals | 492647 | - |
| Electronic unit for TEMPOMATIC WC dual control | 461032 | C |
| 12V F1"-F1 $\frac{1}{4}$ " for WC with backflow prevention device and stopcock for TEMPOMATIC multifunction unit and TEMPOMATIC WC | 463SRH | - |

SOLENOID VALVES WITH ELECTRONIC CONTROL UNITS

| | | |
|------------------------------------|--------|---|
| 6V for BINOPTIC 2 mains | 373900 | - |
| 6V for BINOPTIC 2 Bluetooth® mains | 373901 | - |
| 6V for BINOPTIC 2 battery-operated | 373906 | - |

ELECTRONIC CONTROL UNITS

| For basins, showers, urinals and WCs | | |
|-------------------------------------------------------------------------------|----------|---|
| 230/12V standard with "duty flush" option, with transformer for basins | 495444BC | D |
| 6V with integrated battery for TEMPOMATIC 3 basins | 492446 | E |
| 6V with integrated batteries TEMPOMATIC 4 basins | 490446 | F |
| 6V for TEMPOMATIC 4 basins, mains supply | 490450 | F |
| 230/12V multifunction with transformer for basins, showers, flush type 461... | 495445BC | D |
| 6V battery-operated for basins | 495446BC | D |
| 12V without transformer for multi-urinals with infrared barrier | 487449 | G |
| 12V without transformer for individual exposed or recessed urinals | 428012 | G |
| 12V without transformer for individual cross wall urinals | 428112 | G |
| 6V with integrated batteries for TEMPOMATIC 3 urinals | 479446 | E |
| 6V with integrated batteries for TEMPOMATIC 4 urinals | 479436 | F |
| 230/12V multifunction with transformer for dual flush type 463... | 463000 | H |

SUPPLY CABLES

| For TEMPOMATIC 4 basin with mains supply | | |
|------------------------------------------|-----------|---|
| 6V recessed supply | 490240 | I |
| 6V plug supply | 490241UK | J |
| Extension | 490230EXT | - |

SENSORS

For basins, showers, urinals and WCs

| | | |
|------------------------------------------------------------------|-------------------|----------|
| For TEMPOMATIC multi-urinal with infrared barrier, with 5m cable | 487499 | A |
| With cable 0.10m | 495009 | A |
| With cable 0.70m | 495070 | A |
| With cable 1.50m | 495149 | A |
| With cable 5m | 495499 | A |
| For BINOPTIC basin and TEMPOMATIC 2 basin, cable 0.70m | CEL378V | - |
| For BINOPTIC basin and TEMPOMATIC 2 basin, cable 1.50m | CEL378150V | - |
| For BINOPTIC basin and TEMPOMATIC 2 basin, cable 5m | CEL378499V | - |
| For TEMPOMATIC WCs automatic/voluntary, with cable | 463399 | A |

NB: cable cannot be extended or cut

BATTERIES

For basins, showers, urinals and WCs

| | | |
|------------------------------------|---------------|----------|
| 2 batteries 3V Lithium CR123 17345 | 990123 | B |
| 1 battery 6V Lithium 223 CR-P2 | 990223 | C |

CONTROL PLATES WITH INTEGRATED ELECTRONICS

For TEMPOMATIC 4 urinals

| | | |
|---------------------------------------------------------------------------|----------------|----------|
| 6V with integrated batteries - chrome-plated stainless steel | 430PIPP | D |
| 230/6V - chrome-plated stainless steel | 430PIPS | D |
| 6V with integrated batteries - satin finish stainless steel | 430PISP | D |
| 230/6V - satin finish stainless steel | 430PISS | D |
| 6V with integrated batteries - white powder-coated finish stainless steel | 430PBP | D |
| 230/6V - white powder-coated finish stainless steel | 430PBS | D |
| 6V with integrated batteries - tempered black glass finish | 430PVP | E |
| 230/6V - tempered black glass finish | 430PVS | E |

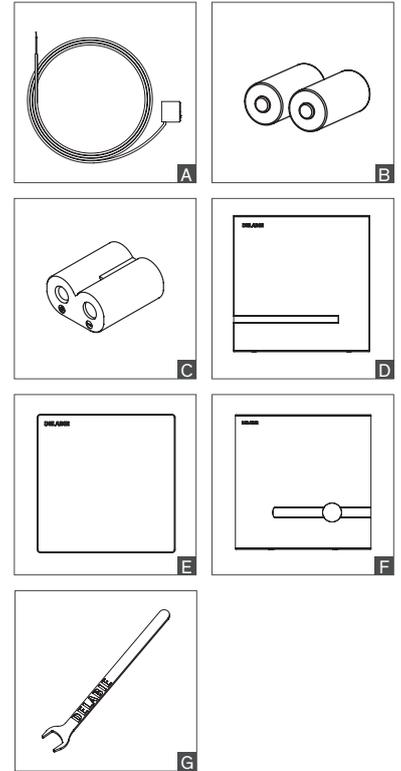
For TEMPOMATIC WC dual control

| | | |
|-----------------------------------------------------------|----------------|----------|
| 6V with integrated battery - satin finish stainless steel | 464PISP | F |
| 230/12V - satin finish stainless steel | 464PISS | F |

SPECIAL TOOLS

For waterproof recessed housing

| | | |
|--------------------------------------------------------------------------|---------------|----------|
| Spanner for 430PBOX, 430SBOX, 431PBOX, 431SBOX, 778BOX, 794BOX1, 794BOX3 | 430CLE | G |
|--------------------------------------------------------------------------|---------------|----------|



| REF. | DESCRIPTION | P. | REF. | DESCRIPTION | P. |
|-----------|----------------------------------------------------------------|-----|----------|-----------------------------------------------------------------|-----|
| 1306T1 | Tubular swivel spout Ø22 H140 L150 | 67 | 373000 | Replaced by 373100 | - |
| 1306T2 | Tubular swivel spout Ø22 H260 L200 | 67 | 37300015 | BINOPTIC 2 basin tap Ø15mm sat st steel mains +stopcock | 27 |
| 1306T3 | Tubular swivel spout Ø22 H260 L300 | 67 | 373006 | Replaced by 373106 | - |
| 133788 | Discontinued | - | 37300615 | BINOPTIC 2 basin tap Ø15mm sat st steel batteries 6V +stopcock | 27 |
| 133888 | Discontinued | - | 373010 | Replaced by 373110 | - |
| 134118 | Discontinued | - | 37301015 | BINOPTIC2 basin tap Ø15 chrome st steel mains 230/6V +stpcock | 27 |
| 134718 | Discontinued | - | 373016 | Replaced by 373116 | - |
| 200000 | Pre-mixer COMPACT MF1/2" for basin non return valves | 69 | 37301615 | BINOPTIC 2 basin tap Ø15 chrome st st batteries 6V +stopcock | 27 |
| 20250 | BIOFIL 2M sterile tap filter, shower flow | 141 | 373030 | Replaced by 373130 | - |
| 20251 | BIOFIL 2M sterile tap filter, straight flow | 141 | 37303015 | BINOPTIC 2 basin tap Ø15 matte black mains 230/6V +stopcock | 27 |
| 20261 | BIOFIL 2M sterile screw-in shower filter | 141 | 373036 | Replaced by 373136 | - |
| 20350 | BIOFIL 3M sterile tap filter, shower flow | 141 | 37303615 | BINOPTIC 2 basin tap Ø15mm matte black 6V batteries + stopcock | 27 |
| 20351 | BIOFIL 3M sterile tap filter, straight flow | 141 | 373100 | BINOPTIC 2 basin tap M3/8" satin stainless steel mains 230/6V | 27 |
| 20361 | BIOFIL 3M sterile screw-in shower filter | 141 | 373106 | BINOPTIC 2 basin tap M3/8" satin stainless steel 6V batteries | 27 |
| 204001 | Deck mounted fixed spout M1/2" L150 H170 Ø16 FS 3lpm | 67 | 373110 | BINOPTIC 2 basin tap M3/8" chrome pl. st steel mains 230/6V | 27 |
| 20450 | BIOFIL 4M sterile tap filter, shower flow | 141 | 373110E | BINOPTIC 2 basin tap M3/8" chrome pl st steel mains Bluetooth | 27 |
| 20451 | BIOFIL 4M sterile tap filter, straight flow | 141 | 373116 | BINOPTIC 2 basin tap M3/8" chrome pl. st steel batteries 6V | 27 |
| 20461 | BIOFIL 4M sterile screw-in shower filter | 141 | 373130 | BINOPTIC 2 basin tap M3/8" matte black mains 230/6V | 27 |
| 222429 | Key for flow straightener removal, aerator, biosafe M16.5/100 | 68 | 373136 | BINOPTIC 2 basin tap M3/8" matte black batteries 6V | 27 |
| 23015 | Water hammer absorber, F1/2" H90 | 267 | 373900 | Electronic housing and solenoid valve for BINOPTIC 2 mains | 268 |
| 23020 | Water hammer absorber, F3/4" H92 | 267 | 373901 | Electronic housing +solenoid vlv for BINOPTIC 2 mains Bluetooth | 268 |
| 23026 | Water hammer absorber, F1" H98 | 267 | 373906 | Electronic housing and solenoid valve for BINOPTIC 2 batteries | 268 |
| 23033 | Water hammer absorber, F1 1/4" H103 | 267 | 374000 | Replaced by 374100 | - |
| 256FIX | Fixing plate + threaded rods L. 130mm for mixers | 267 | 37400015 | BINOPTIC 2 basin tap Ø15mm sat st st H170 mains +stopcock | 29 |
| 256P | Fixing plate for mixers | 267 | 374006 | Replaced by 374106 | - |
| 292015.2P | 2 x Moulded wall plate Ø60x21x5 for tap M1/2" | 63 | 37400615 | BINOPTIC 2 basin tap Ø15mm sat st st H170 batteries +stopcock | 29 |
| 292020 | 2 x Moulded wall plate Ø55x27x2 for tap M3/4" | 231 | 374010 | Replaced by 374110 | - |
| 30250 | BIOFIL 2M non-sterile tap filter, shower flow | 141 | 37401015 | BINOPTIC 2 basin tap Ø15 chrome st steel H170 mains +stpcock | 29 |
| 30251 | BIOFIL 2M non-sterile tap filter, straight flow | 141 | 374016 | Replaced by 374116 | - |
| 30261 | BIOFIL 2M non-sterile screw-in shower filter | 141 | 37401615 | BINOPTIC 2 basin tap Ø15 chrome st st H170 batteries +stopcock | 29 |
| 30350 | BIOFIL 3M non-sterile tap filter, shower flow | 141 | 374030 | Replaced by 374130 | - |
| 30351 | BIOFIL 3M non-sterile tap filter, straight flow | 141 | 37403015 | BINOPTIC 2 basin tap Ø15 matte black H170 mains +stopcock | 29 |
| 30361 | BIOFIL 3M non-sterile screw-in shower filter | 141 | 374036 | Replaced by 374136 | - |
| 30450 | BIOFIL 4M non-sterile tap filter, shower flow | 141 | 37403615 | BINOPTIC 2 basin tap Ø15 matte black H170 batteries +stopcock | 29 |
| 30451 | BIOFIL 4M non-sterile tap filter, straight flow | 141 | 374100 | BINOPTIC 2 basin tap M3/8" satin stainless st H170 mains | 29 |
| 30461 | BIOFIL 4M non-sterile screw-in shower filter | 141 | 374106 | BINOPTIC 2 basin tap M3/8" sat stainless steel H170 batteries | 29 |
| 310000 | *SIPHURINOIR vert sphn + seal Ø50/32 brss (stock then 771000) | - | 374110 | BINOPTIC 2 basin tap M3/8" chrome st steel H170 mains 230/6V | 29 |
| 311QU1 | Swan neck fountain tap M3/8" | 66 | 374110E | BINOPTIC 2 bsn tap M3/8" chrome st steel H170 mains Bluetooth | 29 |
| 311TR1 | Swan neck fountain tap for Rilsan tube 4x6 | 66 | 374116 | BINOPTIC 2 basin tap M3/8" chrome st steel H170 batteries 6V | 29 |
| 312QU1 | Bubbler tap chromed M3/8" for fountain | 66 | 374130 | BINOPTIC 2 basin tap M3/8" matte black H170 mains 230/6V | 29 |
| 312TR1 | Replaced by 312QU1 | - | 374136 | BINOPTIC 2 basin tap M3/8" matte black H170 batteries 6V | 29 |
| 318200 | Discontinued | - | 375000 | Replaced by 375100 | - |
| 319T61 | Push button for fountain taps for Rilsan tube 4x6 | 66 | 37500015 | BINOPTIC 2 basin tap Ø15 sat st st H250 mains 230/6V stopcock | 31 |
| 370000 | Replaced by 370100 | - | 375006 | Replaced by 375106 | - |
| 370006 | Replaced by 370106 | - | 37500615 | BINOPTIC 2 basin tap Ø15 sat st steel H250 batteries +stopcock | 31 |
| 370010 | Replaced by 370110 | - | 375010 | Replaced by 375110 | - |
| 370016 | Replaced by 370116 | - | 37501015 | BINOPTIC 2 basin tap Ø15 chrome st steel H250 mains +stopcock | 31 |
| 370100 | BINOPTIC 2 rec basin tap satin 230/6V L190 kit 2/2 (+370SBOX) | 37 | 375016 | Replaced by 375116 | - |
| 370106 | BINOPTIC 2 rec basin tap satin 6V batt L190 kit 2/2 (+370PBOX) | 37 | 37501615 | BINOPTIC 2 basin tap Ø15 chrome st steel H250 batteries+stpcock | 31 |
| 370110 | BINOPTIC 2 rec basin tap pol SS 230/6V L190 kit2/2 (+370SBOX) | 37 | 375030 | Replaced by 375130 | - |
| 370116 | BINOPTIC 2 rec basin tap pol SS 6V batt L190 kit2/2 (+370PBOX) | 37 | 37503015 | BINOPTIC 2 basin tap Ø15 matte black H250 mains +stopcock | 31 |
| 370BCIPP | Discontinued | - | 375036 | Replaced by 375136 | - |
| 370BCIPS | Discontinued | - | 37503615 | BINOPTIC 2 basin tap Ø15 matte black H250 batteries +stopcock | 31 |
| 370BCISP | Discontinued | - | 375100 | BINOPTIC 2 basin tap M3/8" sat st st H250 mains 230/6V | 31 |
| 370BCISS | Discontinued | - | 375106 | BINOPTIC 2 basin tap M3/8" sat st st H250 batteries 6V | 31 |
| 370BLIPP | Long spout chrome plate st st batteries for rec BINOPTIC 2 | 264 | 375110 | BINOPTIC 2 basin tap M3/8" chrome st steel H250 mains 230/6V | 31 |
| 370BLIPS | Long spout plate chrome pl st st mains for rec BINOPTIC 2 | 264 | 375110E | BINOPTIC 2 bsn tap M3/8" chrome st steel H250 mains Bluetooth | 31 |
| 370BLISP | Long spout plate satin st. st. - batteries for rec. BINOPTIC 2 | 264 | 375116 | BINOPTIC 2 basin tap M3/8" chrome st steel H250 batteries 6V | 31 |
| 370BLISS | Long spout plate satin st. st. - mains for rec. BINOPTIC 2 | 264 | 375130 | BINOPTIC 2 basin tap M3/8" matte black H250 mains | 31 |
| 370PBOX | Waterproof rec housing for BINOPTIC 2 basin 6V battery kit 1/2 | 37 | 375136 | BINOPTIC 2 basin tap M3/8" matte black H250 batteries 6V | 31 |
| 370SBOX | Waterproof rec housing for BINOPTIC 2 basin 230/6V kit 1/2 | 37 | 378015 | BINOPTIC basin tap M3/8" mains 230/12V + trans | 39 |
| 371100 | 100 tokens Ø24 5-10 min delay | - | 37801515 | BINOPTIC basin tap Ø15 for comp. fitting 230/12V + trans | 39 |
| 371PBOX | Discontinued | - | 378015LD | Replaced by 378015 | - |
| 371SBOX | Discontinued | - | 378035 | BINOPTIC basins M3/8" matte black mains 230/12V | 39 |

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

| REF. | DESCRIPTION | P. | REF. | DESCRIPTION | P. |
|------------|-----------------------------------------------------------------|-----|------------|----------------------------------------------------------------|-----|
| 378MCH | BINOPTIC MIX basin mixer M3/8" mains 230/12V + trans | 39 | 430026 | Replaced by 430016 | - |
| 378MCH15 | BINOPTIC MIX basin mixer Ø15 for CF mains 230/12V + trans | 39 | 430030 | TEMPOMATIC 4 recessed urinal black glass 230/6V kit2/2 | 163 |
| 378MCHB | BINOPTIC MIX basins M3/8" matte black mixer mains 230/12V | 39 | 430036 | TEMPOMATIC 4 recessed urinal black glass 6V battery kit2/2 | 163 |
| 378MCHLD | Replaced by 378MCH | - | 430100 | TEMPOMATIC cross wall urinal valve M1/2" 30mm mains 12V | - |
| 378MCHLH | Replaced by 378MCH | - | 430200 | TEMPOMATIC cross wall urinal valve M1/2" 200mm mains 12V | - |
| 379D13 | BINOPTIC c-wall 190 basin tap M3/8" spout L135 mains + trans | 38 | 430646 | Solenoid valve 6V f. TEMPOMATIC 4 ur. and BINOPTIC 2 recessed | 268 |
| 379D1315 | BINOPTIC c-w 190 basin tap Ø15 for CF spout L135 mains +trans | 38 | 430CLE | Fork wrench for recessing box | 269 |
| 379D13LD | Replaced by 379D13 | - | 430PBOX | TEMPOMATIC 4 recessed elect urinal F1/2" 6V batteries kit 1/2 | 163 |
| 379DER | BINOPTIC c-wall 190 basin tap M3/8" spout L205 mains + trans | 38 | 430PBP | White cover plate battery-op for TEMPOMATIC 4 rec urinal | 269 |
| 379DER15 | BINOPTIC c-w 190 basin tap Ø15 for CF spout L205 mains +trans | 38 | 430PBS | White cover plate mains for TEMPOMATIC 4 recessed urinal | 269 |
| 379DERB | BINOPTIC basin tap M3/8" c-wall 190 matte blk spt L.205 mains | 38 | 430PIPP | Pol SS cover plate battery-op for TEMPOMATIC 4 rec urinal | 269 |
| 379DERLD | Replaced by 379DER | - | 430PIPS | Pol st steel cover plate mains for TEMPOMATIC 4 rec urinal | 269 |
| 379ECM | *BINOPTIC MIX rec/plt bsn mix M3/8" mains (stock then 379MCH) | - | 430PISP | SS satin cover plate battery-op for TEMPOMATIC 4 rec urinal | 269 |
| 379ECML | *BINOPTIC MIX rec bsn mix M3/8" mains, Ing (stock then 379MCH) | - | 430PISS | St steel satin cover plate mains for TEMPOMATIC 4 rec urinal | 269 |
| 379ENC | BINOPTIC rec basin tap M3/8" spout L200 mains + trans | 38 | 430PVP | Black glass cover plate batt-op for TEMPOMATIC 4 rec urinal | 269 |
| 379ENC15 | BINOPTIC rec basin tap Ø15 for CF spout L200 mains + trans | 38 | 430PVS | Black glass cover plate mains for TEMPOMATIC 4 rec urinal | 269 |
| 379ENCB | BINOPTIC basins M3/8" rec. tap matte black spout L.200mm mains | 38 | 430SBOX | TEMPOMATIC 4 recessed electronic urinal F1/2" 230/6V kit 1/2 | 163 |
| 379ENCLD | Replaced by 379ENC | - | 431PBOX | TEMPOMATIC 4 recessed elect urinal M1/2" 6V batteries kit 1/2 | - |
| 379MCH | BINOPTIC MIX c-wall 110 basin mix M3/8" mains 230/12V +trans | 38 | 431SBOX | TEMPOMATIC 4 recessed electronic urinal M1/2" 230/6V kit 1/2 | - |
| 379MCH15 | BINOPTIC MIX c-wall 110 basin mix Ø15 for CF mains + trans | 38 | 440000 | TEMPOMATIC 4, basin tap F3/8" rec mains 230/6V + stopcock | 23 |
| 379MCHB | BINOPTIC MIX basins M3/8" mix matt black CW110 mains230/12V | 38 | 44000015 | TEMPOMATIC 4 basin tap M1/2" rec mains supply Ø15 +stopcock | 23 |
| 379MCHL | Replaced by 379MCH | - | 440001 | Replaced by 440000 | - |
| 379MCHLD | Replaced by 379MCH | - | 44000115 | Replaced by 44000015 | - |
| 381010 | BINOPTIC 2 bsn tap M3/8" chrome st st L140, CW, mains+stopcock | 33 | 440001HK | Discontinued | - |
| 38101015 | BINOPTIC 2 bsn tap Ø15 chrome st steel L140, CW, mains+stpck | 33 | 440006 | TEMPOMATIC 4 basin tap F3/8" int. 6V batteries + stopcock | 23 |
| 381110 | BINOPTIC 2 basin tap M3/8" chrome st st L140, CW mains+stpck | - | 44000615 | TEMPOMATIC 4 basin tap M1/2" 6V batteries 15mm + stopcock | 23 |
| 382010 | BINOPTIC 2 basin tap M3/8" chrome st st L220, CW mains+stpck | 33 | 44000615CO | TEMPOMATIC 4 basin tap M1/2" batt 6V copper tails Ø15 conn +SC | - |
| 38201015 | BINOPTIC 2 basin tap Ø15 chrome st st L220 CW mains +stopcock | 33 | 440100 | Replaced by 4050P | - |
| 382110 | BINOPTIC 2 basin tap M3/8" chrome st st L220, CW mains 230/6V | - | 440100AS | TEMPOMATIC 4 basin tap F3/8" 230/6V rec supply, DZR flexi | 23 |
| 383000 | BINOPTIC 2 basin tap M1/2" sat st st L140 panels, mains, stpck | 33 | 440100LD | Replaced by 440100 | - |
| 383010 | BINOPTIC 2 bsn tap M1/2" chrome st st L140 panels mains stpck | 33 | 440101 | TEMPOMATIC 4, basin tap F3/8" mains supply plug 230/6V | 23 |
| 384100 | BINOPTIC 2 basin tap M1/2" w-mounted sat st steel L220 mains | 33 | 440106 | TEMPOMATIC 4 basin tap F3/8" integrated 6V batteries | 23 |
| 384110 | BINOPTIC 2 basin tap M1/2" w-mntd chrome st steel L220 mains | 33 | 440106AS | TEMPOMATIC 4 basin tap F3/8" 6V battery, DZR flexi | 23 |
| 384110E | BINOPTIC 2 basin tap M1/2" wall-m chrome st st L220 Bluetooth | 33 | 440106LD | Replaced by 440106 | - |
| 384130 | BINOPTIC 2 basin tap M1/2" wall-mounted matte black L220 mains | 33 | 441100 | TEMPOMATIC basin tap c-wall 30mm mains 230/12V spout L.170mm | - |
| 388015 | BINOPTIC basin M3/8" H.170mm tap 230/12V mains supply | 39 | 441157 | TEMPOMATIC cross wall 155 basin tap mains 230/12V spout L170 | 240 |
| 38801515 | BINOPTIC basin tap Ø15 for CF H.170mm 230/12V mains supply | 39 | 44115715 | Replaced by 441200 | 240 |
| 388015LD | Replaced by 388015 | - | 441200 | TEMPOMATIC basin tap c-wall 165 mains 230/12V spout L.170mm | - |
| 388035 | BINOPTIC basins M3/8" matte black tap H. 170mm mains 230/12V | 39 | 442006 | *TEMPOMATIC 3 bsn tap 6V int batt + stpck (stock then 440006) | - |
| 388MCHB | BINOPTIC basins M3/8" matte black mixer H. 170mm mains 230/12V | 39 | 44200615 | *TEMPOMATIC 3 bsn tap batt 15mm + stpck (stock then 44000615) | - |
| 388MCHLH | BINOPTIC MIX basin M3/8" H.170mm mixer 230/12V mains supply | 39 | 442106 | *TEMPOMATIC 3 bsn tap F3/8" 6V int 6V batt (stock then 440106) | - |
| 388MCHLH15 | BINOPTIC MIX basin Ø15 for CF H.170mm mixer 230/12V mains | 39 | 443006 | *TEMPOMATIC 3 wll mntd bsn tap 6V batt L190 (stock thn 443506) | - |
| 388MCHLHD | Replaced by 388MCHLH | - | 443016 | *TEMPOMATIC 3 bsn tap 6V L190 panels 1-4mm (stock then 443516) | - |
| 398015 | BINOPTIC basin M3/8" H.250mm tap 230/12V mains supply | 39 | 443218 | TEMPOMATIC 4 recessed shower valve, 6V battery - kit 2/2 | - |
| 39801515 | BINOPTIC basin Ø15 for CF H.250mm tap 230/12V mains supply | 39 | 443219 | TEMPOMATIC 4 recessed shower valve, 6V battery +ROUND, kit 2/2 | - |
| 398015LD | Replaced by 398015 | - | 443228 | TEMPOMATIC 4 recessed shower valve, 230/6V - kit 2/2 | - |
| 398035 | BINOPTIC basins M3/8" matte black tap H. 250mm mains 230/12V | 39 | 443229 | TEMPOMATIC 4 recessed shower valve, 230/6V +ROUND, kit 2/2 | - |
| 398MCHB | BINOPTIC basins M3/8" matte black mixer H. 250mm mains 230/12V | 39 | 443400 | TEMPOMATIC 4 basin M1/2" wall-m tap 230/6V rec. mains L.130 | 25 |
| 398MCHLH | BINOPTIC MIX basin M3/8" H.250mm mixer 230/12V mains supply | 39 | 443406 | TEMPOMATIC 4 wall mounted basin tap M1/2" 6V batteries L.130 | 25 |
| 398MCHLH15 | BINOPTIC MIX basin Ø15 for CF H.250mm mixer 230/12V mains | 39 | 443410 | TEMPOMATIC 4 basin M1/2" tap CW 230/6V rec. mains L.130 | 25 |
| 406000 | Transformer 230/12V without box, suitable for DIN rail | 244 | 443416 | TEMPOMATIC 4 basin M1/2" cross wall tap 6V L.130 | 25 |
| 406220 | Transformer 230/12V with waterproof box grey PVC | 244 | 443426 | TEMPOMATIC 4 basin tap M1/2" 6V batteries L130 panels 1-24mm | 25 |
| 428012 | Elect control unit 12V for TEMPOMATIC urinal no transformer | 268 | 443436 | TEMPOMATIC 4 basin M1/2" tap batt 6V L.130mm solid walls refit | 25 |
| 428112 | Elect control unit 12V for c-wall TEMPOMATIC urinal no trans | 268 | 443500 | TEMPOMATIC 4 basin M1/2" wall-m tap 230/6V rec. mains L.190 | 25 |
| 428150 | TEMPOMATIC c-wall 155mm urinal valve M1/2" mains 12V | 244 | 443500LD | Replaced by 443500 | - |
| 428156 | Replaced by 430200 | - | 443506 | TEMPOMATIC 4 wall mounted basin tap M1/2" 6V batteries L190 | 25 |
| 428200 | TEMPOMATIC c-wall 225mm urinal valve M1/2" mains 12V | 244 | 443506LD | Replaced by 443506 | - |
| 428206 | Replaced by 430200 | - | 443510 | TEMPOMATIC 4 basin M1/2" tap CW 230/6V rec. mains L.190 | 25 |
| 429101 | Solenoid valve M3/4" 12V + filter for TEMPOMATIC urinal | 268 | 443516 | TEMPOMATIC 4 basin M1/2" cross wall tap 6V L.190 | 25 |
| 430000 | TEMPOMATIC 4 recessed urinal st steel satin 230/6V kit 2/2 | 163 | 443526 | TEMPOMATIC 4 tap M1/2" 6V batteries L190 for panels 1-24mm | 25 |
| 430006 | TEMPOMATIC 4 recessed urinal st steel satin 6V batt kit 2/2 | 163 | 443536 | TEMPOMATIC 4 basin M1/2" tap batt 6V L.190mm solid walls refit | 25 |
| 430010 | TEMPOMATIC 4 recessed urinal pol st steel 230/6V kit 2/2 | 163 | 443PBOX | Rec waterproof housing TEMPOMATIC 4 shower 6V battery, kit 1/2 | - |
| 430016 | TEMPOMATIC 4 recessed urinal pol st steel 6V battery kit 2/2 | 163 | 443PMP | Chrome-plated metal plate - batt-op rec TEMPOMATIC 4 shower | - |
| 430020 | *TEMPOMATIC 4 rec urinal w. st. stl. 230/6V (stock then 430010) | - | 443PMS | Chrome-plated metal plate - mains rec TEMPOMATIC 4 shower | - |

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

| REF. | DESCRIPTION | P. | REF. | DESCRIPTION | P. |
|----------|----------------------------------------------------------------|-----|----------|------------------------------------------------------------------|-----|
| 443SBOX | Rec waterproof housing TEMPOMATIC 4 shower 230/6V, kit 1/2 | - | 47300615 | BINOPTIC MIX 2 basin mixer Ø15 sat st st batteries, stopcock | 27 |
| 444000 | TEMPOMATIC 2 basin tap M3/8" mains 230/12V + transformer | 43 | 47301015 | BINOPTIC MIX 2 bsn mixer Ø15 chrome st steel mains, stopcock | 27 |
| 44400015 | Replaced by 44000015 | - | 47301615 | BINOPTIC MIX 2 basin mixer Ø15 chrome st st batteries stopcock | 27 |
| 444000LD | Replaced by 444000 | - | 47303015 | BINOPTIC MIX 2 basin mix Ø15 matte black mains, stopcock | 27 |
| 444006 | *TEMPOMATIC 2 basin tap M3/8" 6V batt (stock then 440006) | - | 47303615 | BINOPTIC MIX 2 basin mix Ø15 matte black batteries, stopcock | 27 |
| 44400615 | Replaced by 44000615 | - | 473100 | BINOPTIC MIX 2 basin mixer M3/8" satin stainless steel mains | 27 |
| 445253 | TEMPOMATIC PRO basin tap M3/8" 230/12V with swivel spout | 44 | 473106 | BINOPTIC MIX 2 basin mixer M3/8" satin st steel batteries 6V | 27 |
| 44525315 | Replaced by 44000015 | - | 473110 | BINOPTIC MIX 2 basin mixer M3/8" chrome pl. st steel mains | 27 |
| 445257 | TEMPOMATIC PRO basin tap M3/8" 6V batt. with swivel spout | 44 | 473110E | BINOPTIC MIX 2 basin mixer M3/8" chrome st st mains Bluetooth | 27 |
| 44525715 | Replaced by 44000015 | - | 473116 | BINOPTIC MIX 2 basin mixer M3/8" chrome pl. st steel batteries | 27 |
| 447100 | TEMPOMATIC basin tap M3/8" 230/12V for panel 1-12mm no spout | - | 473130 | BINOPTIC MIX 2 basin mixer M3/8" matte black mains 230/6V | 27 |
| 449000 | TEMPOMATIC 5, basin tap F3/8" rec mains 230/6V + stopcock | 41 | 473136 | BINOPTIC MIX 2 basin mixer M3/8" matte black batteries 6V | 27 |
| 44900015 | TEMPOMATIC 5 basin tap M1/2" rec mains supply Ø15 +stopcock | 41 | 47400015 | BINOPTIC MIX 2 basin mixer Ø15 sat st H170 mains, stopcock | 29 |
| 449001 | TEMPOMATIC 5, basin tap F3/8" mains plug 230/6V + stopcock | 41 | 47400615 | BINOPTIC MIX 2 basin mixer Ø15 sat st H170 batt, stopcock | 29 |
| 44900115 | TEMPOMATIC 5 basin tap M1/2" UK mains plug Ø15 + stopcock | - | 47401015 | BINOPTIC MIX 2 basin mixer Ø15 chrome st st H170 mains stopcock | 29 |
| 449006 | TEMPOMATIC 5 basin tap F3/8" int. 6V batteries + stopcock | 41 | 47401615 | BINOPTIC MIX 2 basin mixer Ø15 chrome st st H170 batt stopcock | 29 |
| 44900615 | TEMPOMATIC 5 basin tap M1/2" 6V batteries 15mm + stopcock | 41 | 47403015 | BINOPTIC MIX 2 basin mixer Ø15 matte black H170 mains, stopcock | 29 |
| 449100 | TEMPOMATIC 5, basin tap F3/8" recessed mains supply 230/6V | 41 | 47403615 | BINOPTIC MIX 2 basin mixer Ø15 matte black H170 batt, stopcock | 29 |
| 449101 | TEMPOMATIC 5, basin tap F3/8" mains supply plug 230/6V | 41 | 474100 | BINOPTIC MIX 2 basin mixer M3/8" sat st steel H170 mains | 29 |
| 449106 | TEMPOMATIC 5 basin tap F3/8" integrated 6V batteries | 41 | 474106 | BINOPTIC MIX 2 basin mixer M3/8" satin st steel H170 batteries | 29 |
| 449406 | TEMPOMATIC 5 wall mounted basin tap M1/2" 6V batteries L.150 | - | 474110 | BINOPTIC MIX 2 basin mixer M3/8" chrome st steel H170 mains | 29 |
| 449410 | TEMPOMATIC 5 basin M1/2" tap CW 230/6V rec. mains L.150 | - | 474110E | BINOPTIC MIX 2 basin mixer M3/8" chrome st steel H170 mains BT | 29 |
| 449416 | TEMPOMATIC 5 basin M1/2" cross wall tap 6V L.150 | - | 474116 | BINOPTIC MIX 2 basin mixer M3/8" chrome st st H170 batteries | 29 |
| 452020 | TEMPOMATIC shower valve M1/2" recessed mains 230/12V | - | 474130 | BINOPTIC MIX 2 basin mixer M3/8" matte black H170 mains | 29 |
| 452029 | TEMPOMATIC shower kit M1/2" rec 230/12V + ROUND shower head | - | 474136 | BINOPTIC MIX 2 basin mixer M3/8" matte black H170 batteries | 29 |
| 452100 | TEMPOMATIC shower valve M1/2" cross-wall 30mm mains 230/12V | - | 47500015 | BINOPTIC MIX 2 basin mixer Ø15 sat st H250 mains, stopcock | 31 |
| 452109 | TEMPOMATIC shower kit M1/2" c-wall 30 230/12V +ROUND sh head | - | 47500615 | BINOPTIC MIX 2 basin mixer Ø15 satin st H250 batt, stopcock | 31 |
| 452150 | TEMPOMATIC cross wall 150mm shower valve M1/2" mains 230/12V | 242 | 47501015 | BINOPTIC MIX 2 basin mixer Ø15 chrome st st H250 mains, stopcock | 31 |
| 452159 | TEMPOMATIC c.w. 150mm sh.valve M1/2" 230/12V +ROUND sh. head | 242 | 47501615 | BINOPTIC MIX 2 basin mixer Ø15 chrome st st H250 batt, stopcock | 31 |
| 452200 | TEMPOMATIC shower valve M1/2" cross-wall 200 mains 230/12V | - | 47503015 | BINOPTIC MIX 2 basin mixer Ø15 matte black H250 mains, stopcock | 31 |
| 452209 | TEMPOMATIC shower kit M1/2" c-wall 200 230/12V +ROUND sh head | - | 47503615 | BINOPTIC MIX 2 basin mixer Ø15 matte black H250 batt, stopcock | 31 |
| 452300 | *TEMPOMATIC alu shwr panl 6V batt top inlet (stock thn 714906) | - | 475100 | BINOPTIC MIX 2 basin mixer M3/8" sat st. steel H250 mains | 31 |
| 452310 | Replaced by 714916 | - | 475106 | BINOPTIC MIX 2 basin mixer Ø15 satin st steel H250 batteries | 31 |
| 452565 | TEMPOMATIC recessed shower valve M1/2" mains 230/12V | 110 | 475110 | BINOPTIC MIX 2 basin mixer M3/8" chrome st st H250 mains | 31 |
| 452569 | TEMPOMATIC recessed sh. valve M1/2" 230/12V + ROUND sh. head | 110 | 475110E | BINOPTIC MIX 2 basin mixer Ø15 chrome st steel H250 mains BT | 31 |
| 461032 | Cartridge and solenoid valve for dual control TEMPOMATIC WC | 268 | 475116 | BINOPTIC MIX 2 basin mixer Ø15 chrome st st H250 batteries 6V | 31 |
| 461034 | Solenoid valve MM1" 12V for TEMPOMATIC WC 463326 | 268 | 475130 | BINOPTIC MIX 2 basin mixer M3/8" matte black H250 mains | 31 |
| 461035 | Solenoid valve MM1" 12V for TEMPOMATIC WC + urinal | 268 | 475136 | BINOPTIC MIX 2 basin mixer M3/8" matte black H250 batteries 6V | 31 |
| 463000 | Electronic multi unit 230/12V for TEMPOMATIC WC + trans | 268 | 478015 | BINOPTIC basin tap M3/8" 6V battery | 39 |
| 463030 | TEMPOMATIC WC cross wall 30mm valve 1" mains 230/12V | 245 | 47801515 | BINOPTIC basin tap Ø15 for compression fitting 6V battery | 39 |
| 463030HK | TEMPOMATIC WC cross wall 30mm valve 1" mains 230/12V for HK | 213 | 478035 | BINOPTIC basins M3/8" matte black tap 6V batteries | 39 |
| 463150 | TEMPOMATIC WC cross wall 160mm valve 1" mains 230/12V | 245 | 478MCH | BINOPTIC MIX basin mixer M3/8" 6V battery | 39 |
| 463150HK | *TEMPOMATIC WC c-wall 160mm vlv 1" 230/12V for HK(while stk) | - | 478MCH15 | BINOPTIC MIX basin mixer Ø15 compression fittings 6V battery | 39 |
| 463200HK | Discontinued | - | 478MCHB | BINOPTIC MIX basins M3/8" matt black mix w/ housing 6V batt. | 39 |
| 463399 | Detector for TEMPOMATIC WC with 4m cable | 269 | 478MCHLH | Replaced by 478MCH | - |
| 463547 | *TEMPOMATIC WC rec vlv 1"/plate 230/12V for HK (while stk) | - | 479006 | Replaced by 479410 | - |
| 463SRH | Solenoid valve + stopcock F1" + vacuum breaker Ø32 for WC | 268 | 479007 | Replaced by 479412 | - |
| 464000 | TEMPOMATIC WC dual control recessed st steel 230/6V kit 2/2 | 203 | 479008 | Replaced by 479411 | - |
| 464006 | TEMPOMATIC WC dual control recessed st steel 6V bat. kit 2/2 | 203 | 479410 | TEMPOMATIC 4 urinal M1/2" inline 6V battery offset 35mm | 169 |
| 464050 | TEMPOMATIC WC dual cntrl rec m. b.ck 230/6V kit 2/2(+464SBOX) | - | 479411 | TEMPOMATIC 4 urinal M1/2" angled 6V battery offset 35mm | 169 |
| 464056 | TEMPOMATIC WC dual cntrl rec m. b.ck 6V batt kit 2/2(+464PBOX) | - | 479412 | TEMPOMATIC 4 urinal kit angled 6V batt offset 50 + neck tube | 169 |
| 464100 | TEMPOMATIC WC 1" valve cross-wall 30mm mains 230/12V | - | 479413 | TEMPOMATIC 4 urinal kit M1/2" angled 6V batt for FINO | 169 |
| 464200 | TEMPOMATIC WC 1" valve cross-wall 200mm mains 230/12V | - | 479414 | TEMPOMATIC 4 urinal kit M1/2" angled 6V batt for DELTA | 169 |
| 464300 | TEMPOMATIC recessed dual ctrl 3/4" WC valve, side ctrl 230/6V | 209 | 479415 | Discontinued | - |
| 464306 | TEMPOMATIC rec dual ctrl 3/4" WC valve, side ctrl batteries | 209 | 479416 | TEMPOMATIC 4 urinal kit M1/2" angled 6V battery offset 30mm | 169 |
| 464PBOX | TEMPOMATIC WC 3/4" recessed flush valve 6V batt. kit 1/2 | 203 | 479436 | Electronic control unit 6V battery-op for TEMPOMATIC 4 urinal | 268 |
| 464PISP | Satin SS plate - batteries for TEMPOMATIC WC rec dual control | 269 | 479446 | Electronic control unit 6V battery-op for TEMPOMATIC 3 urinal | 268 |
| 464PISS | Satin SS plate - mains supply for TEMPOMATIC WC rec dual ctrl | 269 | 479452 | Solenoid valve 6V with SECURITHERM shower housing support | 268 |
| 464SBOX | TEMPOMATIC WC 3/4" recessed flush valve 230/6V kit 1/2 | 203 | 479650 | Sol. valve 6V, adj. flow rate fr TEMPOMATIC MIX 3 & TEMPOMATIC 4 | 268 |
| 465000 | TEMPOMATIC WC recessed stainless steel 230/6V kit 2/2 | 211 | 479651 | Sol. valve 6V, adj. flow rate for TEMPOMATIC 3 +TEMPOMATIC MIX 3 | 268 |
| 465006 | TEMPOMATIC WC recessed stainless steel 6V bat. kit 2/2 | 211 | 479661 | 6V solenoid valve for SPORTING 2 | 268 |
| 465050 | TEMPOMATIC WC rec m. b.ck 230/6V kit 2/2(+464SBOX) | - | 479662 | Solenoid valve 6V with M1/2" unions for shower panels | 268 |
| 465056 | TEMPOMATIC WC rec m. b.ck 6V batt kit 2/2(+464PBOX) | - | 479666 | Solenoid valve 6V + flow rate adjuster for TEMPOMATIC 5 | 268 |
| 47300015 | BINOPTIC MIX 2 basin mixer Ø15 sat st st mains, stopcock | 27 | 479748 | Replaced by 479650 | - |

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

| REF. | DESCRIPTION | P. | REF. | DESCRIPTION | P. |
|------------|-----------------------------------------------------------------|-----|------------|------------------------------------------------------------------|-----|
| 479749 | Replaced by 479651 | - | 494000 | TEMPOMATIC MIX 2 basin mix M3/8" mains 230/12V + transformer | 43 |
| 482010 | BINOPTIC MIX 2 bsn mix M3/8" chrome st st L220 CW mains+stpccck | 33 | 49400015 | Replaced by 49000015 | - |
| 48201015 | BINOPTIC MIX 2 basin mix Ø15 chrome st st L220 CW mains+stpccck | 33 | 494000LD | Replaced by 49000015 | - |
| 482030 | BINOPTIC MIX 2 bas mix M3/8" matte blk L220, CW, mains+stopcock | 33 | 494000LH | *TEMPOMATIC MIX 2 bsn 230/12V + LH lever (stock thn 490000LH) | - |
| 48203015 | BINOPTIC MIX 2 bas mix Ø15 matte black L220, CW, mains+stopcock | 33 | 494006 | TEMPOMATIC MIX 2 basin mixer M3/8" 6V battery | 43 |
| 482110 | BINOPTIC MIX 2 basin mixer M3/8" chrome st st L220 CW mains | - | 49400615 | Replaced by 49000615 | - |
| 482130 | BINOPTIC MIX 2 basin mixer M3/8" matte black L220, CW, mains | - | 494006LH | Replaced by 490006LH | - |
| 484000 | BINOPTIC MIX 2 wall bas mixsat ss L.240 mains +stopcock,kit2/2 | 33 | 495009 | TEMPOMATIC detector with cable L0.10m | 269 |
| 484010 | BINOPTIC MIX 2 wall bas mix chr ss L.240 mains +stopcock,kit2/2 | 33 | 495070 | TEMPOMATIC detector with cable L0.7m | 269 |
| 484010E | BINOPTIC MIX 2 wall bas mix pol L.240 mains, BT,kit2/2 | 33 | 495149 | TEMPOMATIC detector with cable L 1.50m | 269 |
| 484012 | Bracket M1/2"+230/6v supply fr BINOPTIC 2 &TEMPOMATIC 4 kit1/2 | 25 | 495253 | TEMPOMATIC MIX PRO basin mix M3/8" 230/12V with swivel spout | 44 |
| 484612 | Rec. bracket M1/2" for battery op. TEMPOMATIC MIX 4 kit1/2 | 25 | 49525315 | Replaced by 49000015 | - |
| 487020 | TEMPOMATIC multi-urinal valve M3/4" rec 230/12V +transformer | - | 495257 | TEMPOMATIC MIX PRO basin mix M3/8" 6V batt. with swivel spout | 44 |
| 487449 | Electronic control unit 12V for TEMPOMATIC urinals & showers | 268 | 49525715 | Replaced by 49000615 | - |
| 487499 | Detector for TEMPOMATIC multi urinals | 269 | 495444BC | Standard electronic control unit 230/12V with duty flush | 268 |
| 487620 | TEMPOMATIC recessed multi urinals M3/4" 230/12V +transformer | 171 | 495445BC | Multifunction elect control unit 230/12V for TEMPOMATIC | 268 |
| 488015 | BINOPTIC basin M3/8" tap H.170mm operated by 6V batteries | 39 | 495446BC | Electronic control unit 6V battery operated for TEMPOMATIC | 268 |
| 48801515 | BINOPTIC basin Ø15 for CF tap H.170mm 6V battery operated | 39 | 495499 | TEMPOMATIC detector with cable L5m | 269 |
| 488035 | BINOPTIC for basins M3/8" matte black tap H.170mm 6V bty-op | 39 | 495606 | Solenoid vlv M3/8" 6V + filter for TEMPOMATIC, BINOPTIC basin | 268 |
| 488MCHB | BINOPTIC MIX basins M3/8" matte black mix H.170mm 6V batteries | 39 | 495612 | Solenoid vlv M3/8" 12V + filter for TEMPOMATIC, BINOPTIC basin | 268 |
| 488MCHLH | BINOPTIC MIX basin mix M3/8" r H.170mm operated by 6V batteries | 39 | 495615 | Solenoid valve M1/2" 6V +filter for TEMPOMATIC shower+urinal | - |
| 488MCHLH15 | BINOPTIC MIX Ø15 for CF mixer H.170mm 6V battery operated | 39 | 495626 | Solenoid vlv M1/2" 12V + filter for TEMPOMATIC basin/urinal | 268 |
| 490000 | TEMPOMATIC MIX 4, basin mix F3/8"rec mains supply +stopcocks | 23 | 495626CEB | Solenoid valve 1/2" + cable L.4m for multifunction unit | - |
| 49000015 | TEMPOMATIC MIX 4 basin M1/2" rec mains supply Ø15 stopcocks | 23 | 498015 | BINOPTIC basin M3/8" tap H.250mm operated by 6V batteries | 39 |
| 490000LH | TEMPOMATIC MIX 4, basin mix F3/8"rec mains + stopcocks LH | 23 | 49801515 | BINOPTIC basin Ø15 for CF tap H.250mm 6V battery operated | 39 |
| 490001 | TEMPOMATIC MIX 4, basin mix F3/8" mains plug + stopcocks | 23 | 498035 | BINOPTIC for basins M3/8" matte black tap H.250mm 6V bty-op | 39 |
| 49000115 | TEMPOMATIC MIX 4 basin M1/2" rec UK mains plug Ø15 stopcocks | 23 | 498MCHB | BINOPTIC for basins M3/8" matte black mixer H.250mm 6V bty-op | 39 |
| 490001LH | Replaced by 490001 | - | 498MCHLH | BINOPTIC MIX basin M3/8" mixer H.250mm operated by 6V batteries | 39 |
| 490006 | TEMPOMATIC MIX 4 basin mixer F3/8" 6V batteries + stopcocks | 23 | 498MCHLH15 | BINOPTIC MIX Ø15 for CF mixer H.250mm 6V battery operated | 39 |
| 49000615 | TEMPOMATIC MIX 4 basin mix M1/2" batteries 15mm + stopcocks | 23 | 499000 | TEMPOMATIC MIX 5, basin mix F3/8"rec mains supply +stopcocks | 41 |
| 49000615CO | TEMPOMATIC MIX 4 basins M1/2" batt copper tails Ø 15 conn +SC | - | 49900015 | TEMPOMATIC MIX 5 basin M1/2" rec mains supply Ø15 stopcocks | 41 |
| 490006LH | TEMPOMATIC MIX 4 basin mix F3/8" 6V batteries +stopcocks LH | 23 | 499001 | TEMPOMATIC MIX 5, basin mix F3/8" mains plug + stopcocks | 41 |
| 490100 | TEMPOMATIC MIX 4, basin mixer F3/8" rec mains supply 230/6V | 23 | 49900115 | TEMPOMATIC MIX 5 basin M1/2" rec UK mains plug Ø15 stopcocks | - |
| 490100AS | TEMPOMATIC MIX 4 basin mix F3/8" 230/6V rec supply DZR flexi | 23 | 499006 | TEMPOMATIC MIX 5 basin mixer F3/8" 6V batteries + stopcocks | 41 |
| 490100LD | Replaced by 490100 | - | 49900615 | TEMPOMATIC MIX 5 basin mix M1/2" batteries 15mm + stopcocks | 41 |
| 490100LH | TEMPOMATIC MIX 4, basin mix F3/8"rec mains supply 230/6V LH | 23 | 499100 | TEMPOMATIC MIX 5, basin mixer F3/8" rec mains supply 230/6V | 41 |
| 490101 | TEMPOMATIC MIX 4, basin mixer F3/8" mains plug 230/6V | 23 | 499101 | TEMPOMATIC MIX 5, basin mixer F3/8" mains plug 230/6V | 41 |
| 490101LH | Replaced by 490101 | 23 | 499106 | TEMPOMATIC MIX 5 basin mixer F3/8" with int 6V batteries | 41 |
| 490106 | TEMPOMATIC MIX 4 basin mixer F3/8" with int 6V batteries | 23 | 510580 | Liquid soap dispenser 1L polished 304 stainless steel | 70 |
| 490106AS | TEMPOMATIC 4 basin mixer F3/8" 6V battery, DZR flexibles | 23 | 510581 | Liquid soap dispenser 1L white powder-coated 304 st. steel | 70 |
| 490106LD | Replaced by 490106 | - | 510582 | Liquid soap dispenser 1L 304 stainless steel satin finish | 70 |
| 490106LH | TEMPOMATIC MIX 4 basin mixer F3/8" int 6V batteries + LH | 23 | 512021BK | Deck-mtd BINOPTIC liquid/foam soap disp. 1L, black, mains supply | 71 |
| 490230EXT | Electrical extension for TEMPOMATIC 4 basin | 268 | 512021P | Deck-mtd BINOPTIC liquid/foam soap disp. 1L chrome, mains supply | 71 |
| 490240 | Recessed 6V supply for TEMPOMATIC 4 basin from Feb 2016 | 268 | 512031P | Deck-mtd T4 liquid/foam soap disp. 1L, chrome, mains supply | 71 |
| 490241UK | 6V british electrical plug for TEMPOMATIC 4 basin | 268 | 512051BK | Wall-mtd BINOPTIC liquid/foam soap disp. 1L black, mains supply | 71 |
| 490446 | Electronic control unit 6V battery operated for TEMPOMATIC 4 | 268 | 512051P | Wall-mtd BINOPTIC liquid/foam soap disp. 1L chrome, mains supply | 71 |
| 490450 | Electronic unit for TEMPOMATIC 4 mains supply from Feb 2016 | 268 | 512066BK | Electronic liquid soap dispenser 1L matte black 304 st steel | 70 |
| 492006 | *TEMPOMATIC MIX 3 bsn int 6V batt +stpcccks (stock thn 490006) | - | 512066P | Electronic liquid soap dispenser 1L bright pol 304 st steel | 70 |
| 49200615 | *TEMPOMATIC MIX 3 bsn batt Ø15 +stpcccks (stock thn 49000615) | - | 512066S | Electronic liquid soap dispenser 1L pol satin 304 st steel | 70 |
| 492006LH | *TEMPOMATIC MIX 3 bsn 6V batt +stpcccks LH (stock thn 490006LH) | - | 512066W | Electronic liquid soap dispenser 1L white powder-ctd 304 st st | 70 |
| 492106 | *TEMPOMATIC MIX 3 bsn int 6V batt (stock thn 490106) | - | 512111BK | C-wall BINOPTIC liquid/foam soap disp L1.2m tube, black, mains | 71 |
| 492106LD | Replaced by 490106 | - | 512111P | C-wall BINOPTIC liquid/foam soap disp L1.2m tube, chrome, mains | 71 |
| 492106LH | Replaced by 490106LH | - | 512121BK | Deck-mtd BINOPTIC liq/foam soap disp L1.2m tube, blk mains | 71 |
| 492446 | Electronic control unit for TEMPOMATIC 3 integ 6V battery | 268 | 512121BKUK | Replaced by 512121BK | - |
| 492647 | Solenoid valve M for TEMPOMATIC 3 urinal | 268 | 512121P | Deck-mtd BINOPTIC liq/foam soap disp L 1.2m tube, chrome, mains | 71 |
| 493400 | TEMPOMATIC MIX 4 bas. wall-m mix 230/6V rec mains L.160 | 25 | 512131P | Deck-mtd T4 liquid/foam soap disp L 1.2m tube, chrome, mains | 71 |
| 493406 | TEMPOMATIC MIX 4 basin-wall-m mixer 6V batteries L.160 | 25 | 512151BK | Wall-mtd BINOPTIC liq/foam soap disp L1.2m tube, black, mains | 71 |
| 493410 | *TEMPOMATIC MIX 4 bsn CW 230/6V L.130 (stock thn 493510) | - | 512151P | Wall-mtd BINOPTIC liq/foam soap disp L1.2m tube, chrome, mains | 71 |
| 493416 | *TEMPOMATIC MIX 4 bsn c-wall 6V batt L.130 (stock thn 493516) | - | 512151PUK | Replaced by 512151P | - |
| 493500 | TEMPOMATIC MIX 4 basin-wall-m mix 230/6V rec mains L.220 | 25 | 512521BK | Deck-mtd BINOPTIC liquid/foam soap disp. 0.5L, black, mains | 71 |
| 493506 | TEMPOMATIC MIX 4 basin-wall-m mixer 6V batteries L.220 | 25 | 512521P | Deck-mtd BINOPTIC liquid/foam soap disp. 0.5L, chrome, mains | 71 |
| 493506LD | Replaced by 493506 | - | 512521PUK | Replaced by 512021P | - |
| 493510 | TEMPOMATIC MIX 4 basin F3/8" mixer CW 230/6V rec mains L.190 | 25 | 512531P | Deck-mtd T4 liquid/foam soap dispenser 0.5L, chrome, mains | 71 |
| 493516 | TEMPOMATIC MIX 4 basin F3/8" mix c-wall 6V batteries L.190 | 25 | 512551BK | Replaced by 512051BK | 71 |

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

| REF. | DESCRIPTION | P. | REF. | DESCRIPTION | P. |
|-----------|-----------------------------------------------------------------|-----|----------|------------------------------------------------------------------|-----|
| 512551P | Replaced by 512051P | 71 | 700001LH | Replaced by 700001 | - |
| 517000 | Siphon F1 1/4" w. horizontal outlet Ø32 chrome plated brass | 184 | 700100 | TEMPOMIX 2 basin mixer F3/8" ~7sec time flow | 61 |
| 543000 | TEMPOFIX 3 frame elect mains 230/6V for urinals Ø35 kit 1/2 | 165 | 700100LH | Replaced by 700100 | - |
| 543000D | TEMPOFIX 3 frame elect mains 230/6V for urinals 1/2" kit 1/2 | 165 | 700101 | TEMPOMIX 2 AB basin mixer F3/8" time flow ~7sec time flow | 61 |
| 543006 | TEMPOFIX 3 fr sys time flow or bat for urinals Ø35 kit 1/2 | 165 | 700101LH | Replaced by 700101 | - |
| 543006D | TEMPOFIX 3 fr sys time flow or bat for urinals 1/2" kit 1/2 | 165 | 700102 | TEMPOMIX 2 AB basin mixer F3/8" time flow ~15sec time flow | - |
| 543100 | Replaced by 543000 + 430010 | - | 700400 | TEMPOMIX 2 lever operated basin mixer F3/8" ~7sec +stopcocks | 61 |
| 547105 | TEMPOFIX 3 frame elec WC 210mm Ø100 | 213 | 70040015 | TEMPOMIX 2 basin mixer M1/2" lever ~7sec Ø15 + stopcocks | 61 |
| 564000 | TEMPOFIX 3 fr sys WC TEMPOMATIC 230/6V Ø100 wall fix kit 1/2 | 205 | 700400LH | *TEMPOMIX 2 lvr op bsn ~7sec +stpccks LH (stocks then 700400) | - |
| 564000BE | TEMPOFIX 3 fr sys WC TEMPOMATIC 230/6V Ø90 wall fix kit 1/2 | - | 700500 | TEMPOMIX 2 lever operated basin mixer F3/8" ~7sec time flow | 61 |
| 564000DE | TEMPOFIX 3 fr sys WC TEMPOMATIC 230/6V Ø110 wall fix kit 1/2 | - | 700500LH | *TEMPOMIX 2 lvr op bsn ~7sec flow + LH (stocks then 700500) | - |
| 564005 | TEMPOFIX 3 fr sys WC TEMPOMATIC 230/6V Ø100 self-supply kit 1/2 | 205 | 700BJ | Flow straightener in Hostaform® for TEMPOSTOP 2 & TEMPOMIX 2 | 267 |
| 564005BE | TEMPOFIX 3 fr sys WC TEMPOMATIC 230/6V Ø90 self-supply kit 1/2 | - | 702000 | TEMPOSTOP 2 basin tap M1/2" ~7sec time flow | 61 |
| 564005DE | TEMPOFIX 3 fr sys WC TEMPOMATIC 230/6V Ø110 self-supply kit 1/2 | - | 702032 | *Water nozzle for tube Ø32 for squat WC (while stocks last) | - |
| 564060 | TEMPOFIX 3 fr sys WC time flow or bat Ø100 wall fix kit 1/2 | 205 | 702301 | TEMPOSTOP 2 AB basin tap M1/2" ~7sec time flow | 61 |
| 564060BE | TEMPOFIX 3 fr sys WC time flow or bat Ø90 wall fix kit 1/2 | - | 702400 | TEMPOSTOP 2 lever operated basin tap M1/2" ~7sec time flow | 61 |
| 564060DE | TEMPOFIX 3 fr sys WC time flow or bat Ø110 wall fix kit 1/2 | - | 703000 | TEMPOSTOP 3 basin tap M1/2" ~7sec time flow + back nut | - |
| 564065 | TEMPOFIX 3 fr sys WC time flow or bat Ø100 self-supply kit 1/2 | 205 | 703000AB | TEMPOSTOP 3 AB basin tap M1/2" ~7sec time flow + back nut | - |
| 564065BE | TEMPOFIX 3 fr sys WC time flow or bat Ø90 self-supply kit 1/2 | - | 703000AS | TEMPOSTOP 3 basin tap M1/2" ~7sec time flow DZR brass | - |
| 564065DE | TEMPOFIX 3 fr sys WC time flow or bat Ø110 self-supply kit 1/2 | - | 703001 | TEMPOSTOP 3 basin tap M1/2" ~7sec time flow reinforced fixing | - |
| 565065 | TEMPOFIX 3 WC Ø100 self-supply fire-retard, TEMPOFLUX 3 kit 1/2 | 221 | 703001AB | TEMPOSTOP 3 AB basin tap M1/2" ~7sec, reinforced fixing | - |
| 565065BE | TEMPOFIX 3 WC Ø90 self-supply fire-retard, TEMPOFLUX 3 kit 1/2 | - | 703002 | TEMPOSTOP 3 basin tap M1/2" ~7sec time flow + stud nut | - |
| 565065DE | TEMPOFIX 3 WC Ø110 self-supply fire-retard, TEMPOFLUX 3 kit 1/2 | - | 703200 | TEMPOSTOP wall mounted basin tap M1/2" ~7sec | - |
| 578090 | PEHD sleeve connector 100/90 | 235 | 703200AB | TEMPOSTOP AB wall mounted basin tap M1/2" ~7sec time flow | - |
| 578100 | ABS sleeve connector 100/100 | 235 | 703201 | TEMPOSTOP wall mounted basin tap M3/8" ~7sec time flow | - |
| 578110 | PEHD sleeve connector 100/110 | 235 | 703300 | TEMPOSTOP wall mounted basin tap M1/2" ~7sec | - |
| 578212 | TEMPOFLUX 2 WC 6L single flush for TEMPOFIX 3 fr sys kit 2/2 | 228 | 703300AB | TEMPOSTOP AB wall mounted basin tap M1/2" ~7sec time flow | - |
| 578222 | TEMPOFLUX 2 WC 3L/6L dual flush for TEMPOFIX 3 fr sys kit 2/2 | 228 | 703500 | TEMPOSTOP exposed shower valve M1/2" inline ~30sec time flow | - |
| 578230 | TEMPOFLUX 2 WC dual flush TEMPOFIX 3 fr sys 70-130mm kit 2/2 | 229 | 703580 | TEMPOSTOP exposed shower valve M1/2" angled ~15sec time flow | - |
| 578300 | *TEMPOFIX 3 WC frame wall fix kit (stock then 578305) | - | 703700 | TEMPOSTOP exposed urinal MM1/2" inline ~3sec + wall plate | - |
| 578300BE | *TEMPOFIX 3 WC frame Ø90 wall fix kit (stock then 578305BE) | - | 703800 | TEMPOSTOP exp urinal valve MM1/2" angled ~3sec + wall plate | - |
| 578300DE | *TEMPOFIX 3 WC frame Ø110 wall fix kit (stock then 578305BE) | - | 704100 | TEMPOSTOP 4 basin tap M1/2" ~7sec time flow | - |
| 578305 | TEMPOFIX 3 WC frame 10-35 & 70-130mm Ø100 free-stand kit 1/2 | 228 | 704100AB | TEMPOSTOP 4 AB basin tap M1/2" ~7sec time flow | - |
| 578305BE | TEMPOFIX 3 WC frame 10-35 & 70-130mm Ø90 free-stand kit 1/2 | - | 704900 | TEMPOSTOP MIX 4 basin mixer F3/8" ~7sec time flow with stopcocks | - |
| 578305DE | TEMPOFIX 3 WC frame 10-35 & 70-130mm Ø110 free-stand kit 1/2 | - | 704900AB | TEMPOSTOP MIX 4 AB basin mixer F3/8" ~7sec time flow + stopcocks | - |
| 578400 | *TEMPOFIX 3 WC frame 30-60mm Ø100 wall fix (stock then 578405) | - | 704910 | TEMPOSTOP MIX 4 basin mixer F3/8" ~7sec time flow | - |
| 578400BE | Replaced by 578405BE | - | 704910AB | TEMPOSTOP MIX 4 AB basin mixer F3/8" time flow ~7sec time flow | - |
| 578400DE | Replaced by 578405DE | - | 705000 | Connection washer Ø32/55 with clamp for WC | 235 |
| 578405 | TEMPOFIX 3 WC frame 30-60mm Ø100 free-standing kit 1/2 | 229 | 705028 | Connection washer Ø28/55 with clamp for WC | 235 |
| 578405BE | TEMPOFIX 3 WC frame 30-60mm Ø90 free-standing kit 1/2 | - | 708000 | RAINY shower head M1/2" recessed | 133 |
| 578405DE | TEMPOFIX 3 WC frame 30-60mm Ø110 free-standing kit 1/2 | - | 708010 | RAINY shower head M1/2" for panels 1-15mm | 133 |
| 578MUR | Wall reinforcements for TEMPOFIX 3 frame system | 235 | 708030 | RAINY shower head F1/2" ceiling-mounted | 133 |
| 578PMR | TEMPOFIX 3 connection kit, L. 580mm for PMR WC bowl | 235 | 708040 | RAINY shower head wall-mounted | 132 |
| 580000 | Basin or urinal waste Ø63 M1 1/4" st steel grid + ctrl screw | 184 | 708200 | RAINY shower head M1/2" cross wall 230mm | 133 |
| 581000 | On/Off washbasin waste 1 1/4" stainless steel valve | 69 | 709000 | Recessed vandal proof ROUND shower head M1/2" | 134 |
| 60212.10P | 10 × Integrated flat filter 0.5 for nut 1/2" | 267 | 709000CF | *Recessed ROUND tperproof sh head (stock then 709000) | - |
| 60220.10P | Replaced by 60212.10P | - | 709010 | Vandal proof ROUND shower head M1/2" for panels 1-15mm | 134 |
| 60234.10P | 10 × Integrated flat filter 0.5 for nut 3/4" | 267 | 709010CF | Replaced by 709010 | - |
| 60438.10P | 10 × Integrated conical filter 0.5 for nut 3/8" | 267 | 709010GR | Replaced by 709010 | - |
| 611 | HYGIÉNA waste 1 1/4" concave grid, adaptable slotted lantern | 69 | 709200 | Vandal proof ROUND shower head M1/2" for walls 230mm | 134 |
| 6110 | HYGIÉNA waste with concave grid for basins, stainless steel | - | 710000 | Wall mounted shower arm MM1/2" L95 for shower head F1/2" | 135 |
| 64000 | *Wall mntd shwr head 5 ring spray grid (stock then 709000) | - | 710040 | Horizontal wall arm for shower 1/2" | 132 |
| 682001 | Floor trap 100×100 hard floors adj H integrated outlet Ø40 | 131 | 710050 | Vertical ceiling arm for shower 1/2" | 132 |
| 682001UK | Floor trap 100×100 hard floors adj H horiz elbow outlet Ø43 | 131 | 710500 | Wall mounted soap dish Bayblend® chrome plated matt | 106 |
| 683001 | Floor trap 150×150 hard floors adj H integrated outlet Ø40 | 131 | 710501 | Wall mounted soap dish Bayblend® chrome plated bright | 106 |
| 683001UK | Floor trap 150×150 hard floors adj H horiz elbow outlet Ø43 | 131 | 711000 | GYM COMFORT adjustable scale proof shower head F1/2" Ø45 | 135 |
| 683002 | Floor trap st steel grid Ø114 vinyl floors integ. outlet Ø40 | 131 | 711002 | GYM COMFORT EXTRA adj scale proof shower head F1/2" Ø68 | 135 |
| 683002UK | Floor trap st steel grid Ø114 vinyl floors elbow outlet Ø43 | 131 | 712000 | TONIC JET vandal proof recessed shower head M1/2" | 134 |
| 684000 | Floor trap with grid 140×140 - vertical outlet Ø40 | 131 | 712000CF | Replaced by 712000 | - |
| 700000 | TEMPOMIX 2 basin mixer F3/8" ~7sec time flow with stopcocks | 61 | 712000GR | Replaced by 712000 | - |
| 70000015 | Replaced by 74250015 | 61 | 712010 | TONIC JET vandal proof shower head M1/2" for panels 1-10mm | 134 |
| 700000LH | Replaced by 742500LH | - | 712020 | TONIC JET vandal proof exposed shower head F3/4" +column Ø16 | 134 |
| 700001 | TEMPOMIX 2 AB basin mixer F3/8" ~7sec time flow + stopcocks | 61 | 712450 | TONIC JET vandal proof shower head F1/2" | - |
| 70000115 | Replaced by 74250015 | 61 | 714000 | *SPORTING exposed shower kit M1/2" ~30s (stock then 714700) | - |

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

| REF. | DESCRIPTION | P. | REF. | DESCRIPTION | P. |
|-----------|-----------------------------------------------------------------|-----|------------|----------------------------------------------------------------|-----|
| 714012 | Rec. bracket M1/2"+ 230/6v supply for SPORTING 2 kit 1/2 | 83 | 733116 | PREMIX COMPACT thermostatic mixer M3/4" Ø15mm rough body | 155 |
| 714612 | Rec. bracket M1/2" for battery op. SPORTING SECURITHERM kit 1/2 | 83 | 734100 | TEMPOGENOU angled MM1/2" lever L350 ~7sec | 65 |
| 714700 | SPORTING 2 anodised alu sh panel M1/2" ~30sec time flow valve | 101 | 735000 | TEMPOGENOU inline MM1/2" stud nut lever L350 ~7sec | 65 |
| 714700CMA | SPORTING alu sh panel M1/2" anodised ~30sec no flow limiter | - | 735400 | TEMPOGENOU inline MM1/2" lever L350 ~7sec | 65 |
| 714700DP | *SPORTING 2 alu shwr ~30sec rain effect (stock then 714700) | - | 735447 | TEMPOGENOU inline MM1/2", lever L350 ~7sec comp. fittings | - |
| 714700GR | *SPORTING 2 sh panel M1/2" ~30sec (while stk then 714700) | - | 73544715 | TEMPOGENOU inline MM1/2", lever L350 ~7sec comp fit + olives | 65 |
| 714732 | SPORTING therm shower panel top inlets M1/2", ~30sec | 103 | 736001 | MONOFOOT floor mounted pedal operated valve MM1/2" stud nut | 65 |
| 714732AB | SPORTING AB therm shower panel top inlet M1/2", ~30sec | 103 | 736101 | MONOFOOT floor mounted pedal operated vlv MM1/2" without nut | 65 |
| 714735 | SPORTING therm shower panel back inlets M1/2", ~30sec | 103 | 736102 | MONOFOOT wall mounted pedal operated vlv MM1/2" without nut | 65 |
| 714735AB | SPORTING AB therm shower panel conc inlet M1/2", ~30sec | 103 | 739000 | Replaced by 739100 | - |
| 714764 | Starter for SPORTING shower | 265 | 739100 | MIXFOOT floor mounted pedal operated mixer MM1/2" w-out nut | 65 |
| 714765 | Starter for SPORTING shower panel | 265 | 739102 | MIXFOOT wall mounted pedal operated mixer MM1/2" without nut | 65 |
| 714800 | SPORTING anodised aluminium shower panel M1/2", 230/6V | 81 | 740000 | *TEMPOSOFT bsn tap ~7sec time flow (stock then 740500) | - |
| 714806 | SPORTING anodised aluminium shower panel M1/2", 6V battery | 81 | 740300 | TEMPOSOFT 2 basin tap M1/2" ~7sec time flow reinforced fixing | 59 |
| 714900 | SPORTING alu therm shower panel top inlets M1/2", 230/6V | 83 | 740500 | TEMPOSOFT 2 basin tap M1/2" ~7sec time flow | 59 |
| 714906 | SPORTING alu therm shower panel top inlets M1/2", 6V battery | 83 | 740510AS | TEMPOSOFT 2 basin tap F1/2" ~7sec time flow DZR brass | 59 |
| 714910 | SPORTING therm shower panel conc inlet, 230/6V, kit 2/2 | 83 | 740515 | TEMPOSOFT 2 basin tap M1/2" ~15sec time flow | - |
| 714916 | SPORTING therm shower panel conc inlet 6V battery, kit 2/2 | 83 | 741000 | *TEMPOSOFT wall mntd bsn tap L80 ~7s (stock thn 741500) | - |
| 714BE | Recessed nozzle for SPORTING 2 | 136 | 741500 | TEMPOSOFT 2 wall mtd basin tap M1/2" L110 ~7sec time flow | 59 |
| 715000 | Ceiling mounted shower head F1/2" with chromed rim Ø80 | 135 | 741510AS | TEMPOSOFT 2 wall mtd basin tap M1/2" ~7sec L110 DZR brass | 59 |
| 716000 | Ceiling mounted GYM vandal proof shower head F1/2" fixed | 134 | 741515 | Replaced by 741500 | - |
| 717510 | Shower tower 1 shower head | 105 | 741550 | TEMPOSOFT 2 wall mtd basin tap M1/2" L150 ~7sec time flow | 59 |
| 717511 | Shower tower 1 shower head + 1 bib tap | 105 | 741555 | TEMPOSOFT 2 basin tap M1/2" for 50mm panels ~7 sec L.150 | 59 |
| 717520 | Shower tower 2 shower heads | 105 | 741565 | Replaced by 741550 | - |
| 717521 | Shower tower 2 shower heads + 1 bib tap | 105 | 741943 | TEMPOSTOP AB basin tap M1/2" 200mm CW | - |
| 717540 | Shower tower 4 shower heads | 105 | 741945 | TEMPOSTOP AB basin kit M1/2" ~7sec | - |
| 729008 | *Soap disp strt spout 1L btl, chr brass (whl stk thn 729064) | - | 742000 | TEMPOSOFT MIX basin mixer F3/8" ~7sec time flow + stopcocks | - |
| 729012 | *Soap disp curved spout 1L btl, chr brass(whl stk thn 729064) | - | 74200015 | Replaced by 74250015 | - |
| 729064 | Soap disp w. cart, straight spout 1L bottle, stainless steel | 70 | 742000LH | Replaced by 742500LH | - |
| 729108 | *Soap disp. strt spt tube L1200, chr brass(whl stk thn729164) | - | 742100 | *TEMPOSOFT MIX bsn mixer ~7s time flow (stock thn 742510) | - |
| 729112 | *Soap disp crvd spt tube L1200, chr brass(whl stk thn 729164) | - | 742100LH | Replaced by 742510LH | - |
| 729150 | *W-mtd soap disp c-wall 190, chromed (whl stock then 729170) | - | 742204 | Tamperproof cross wall control 245mm for TEMPOCHASSE | - |
| 729164 | Soap disp w. cartridge straight spout, tube L. 1200 st steel | 70 | 742500 | TEMPOSOFT MIX 2 basin mixer F3/8" ~7sec flow with stopcocks | 59 |
| 729170 | Wall-mtd soap disp with cartridge, c-wall 190mm, st steel | 70 | 74250015 | TEMPOSOFT MIX 2 mixer M1/2" ~7sec comp fit Ø15 + stopcocks | 59 |
| 729508 | *Soap disp strt spt 0.5L btl chr brass(whl stk then 729564) | - | 74250015CO | TEMPOSOFT MIX 2 M1/2" mixer ~7sec copper tails Ø 15mm conn +SC | - |
| 729512 | *Soap disp crvd spt 0.5L btl, chr brass (whl stk then 729564) | - | 742500LH | TEMPOSOFT MIX 2 basin mixer F3/8" ~7sec with stopcocks + LH | - |
| 729564 | Soap disp w. cartridge, straight spout 0.5L bottle, st steel | 70 | 742510 | TEMPOSOFT MIX 2 basin mixer F3/8" ~7sec time flow | 59 |
| 730802.2P | *2 x Angled isolating ball valve for PREMIX 3/4" (while stock) | - | 742510LH | TEMPOSOFT MIX 2 basin mixer F3/8" ~7sec time flow + LH | - |
| 730803.2P | Discontinued | - | 742520 | TEMPOSOFT MIX 2 basin mixer F3/8" ~15sec time flow | - |
| 730804.2P | *2 x Angled isolating ballvalves for PREMIX 1 1/4" (while stk) | - | 743003 | TEMPOSTOP 1/2" cartridge ~3sec time flow | - |
| 731002 | PREMIX COMFORT 55 group thermostatic mixer M3/4" 55lpm | 153 | 743004 | TEMPOSTOP 1/2" cartridge ~3sec time flow, V2 | 266 |
| 731003 | PREMIX COMFORT 90 group thermostatic mixer M1" 90lpm | 153 | 743005 | TEMPOSTOP basin/urinal cartridge ~7sec time flow | - |
| 731004 | PREMIX COMFORT 140 group thermostatic mixer M1 1/4" 140lpm | 153 | 743006 | TEMPOSTOP basin/urinal cartridge ~7sec time flow, V2 | 264 |
| 731005 | PREMIX COMFORT 190 group thermostatic mixer M1 1/2" 190lpm | 153 | 743006AB | TEMPOSTOP AB cartridge basin/urinal ~7sec time flow, V2 | 264 |
| 731052 | PREMIX SECURITY 55 group thermostatic mixer M3/4" 55lpm | 151 | 743010 | TEMPOSTOP basin/shower cartridge ~15sec time flow | - |
| 731053 | PREMIX SECURITY 90 group thermostatic mixer M1" 90lpm | 151 | 743011 | TEMPOSTOP basin/shower cartridge ~15sec time flow, V2 | 264 |
| 731054 | PREMIX SECURITY 140 group thermostatic mixer M1 1/4" 140lpm | 151 | 743011AB | TEMPOSTOP AB basin/shower cartridge ~15sec time flow, V2 | 264 |
| 731055 | PREMIX SECURITY 190 group thermostatic mixer M1 1/2" 190lpm | 151 | 743105 | TEMPOSTOP AB cartridge basin/urinal ~7sec time flow | - |
| 731200 | PREMIX COMFORT T2 group thermostatic mixer M3/4" 55lpm | 153 | 743107 | TEMPOSTOP recessed urinal cartridge ~7sec time flow | - |
| 731300 | PREMIX COMFORT T3 group thermostatic mixer M1" 90lpm | 153 | 743115 | TEMPOSTOP AB basin cartridge ~15sec time flow | - |
| 731400 | PREMIX COMFORT T4 group thermostatic mixer M1 1/4" 140lpm | 153 | 743205 | TEMPOSTOP AB cross wall/lever basin cartridge ~7 sec | - |
| 731500 | PREMIX COMFORT T5 group thermostatic mixer M1 1/2" 190lpm | 153 | 743215 | TEMPOSTOP AB cross wall/lever basin/shower cartridge ~15sec | - |
| 732012 | PREMIX NANO thermostatic mixer FM3/8" nickel body | 155 | 743303 | TEMPOSTOP urinal cartridge ~3sec time flow | - |
| 732016 | PREMIX NANO thermostatic mixer FM3/8" chromed body | 155 | 743305 | TEMPOSTOP cross wall/lever basin/urinal cartridge ~7sec | 264 |
| 732115 | PREMIX NANO thermostatic mixer Ø15mm nickel body | 155 | 743306 | TEMPOSTOP cross wall/lever basin/urinal cartridge ~7sec, V2 | 264 |
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| 761900 | TEMPOFLUX WC recessed valve M3/4" ~7 sec chromed plate Ø195 | - | 779421 | Replaced by 779427 | - |
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| 763030 | TEMPOFLUX 3 WC F3/4" recessed AB, black glass, 3L/6L, kit 2/2 | 215 | 790006 | *TEMPOMIX exp shwr mxr kit ~30sec +stopccks (stock thn 794450) | - |
| 763040 | TEMPOFLUX 3 WC recessed AB, chromed, 3L/6L, kit 2/2 | 215 | 790008 | *TEMPOMIX exp shwr mxr kit ~30s +elbw union (stock thn 794450) | - |
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| 790204 | TEMPOMIX st steel shower panel top inlets ~30sec + soap dish | 97 | 792404 | Replaced by 792504 | - |
| 790204CF | Replaced by 790204 | - | 79240415 | Replaced by 792504 | - |
| 790214 | TEMPOMIX st steel shower panel back inlets ~30sec + soap dish | 97 | 792404CF | *SECURITHERM SS panel batt-op top inl+soap(stck then 792504) | - |
| 790214CF | Replaced by 790214 | - | 792410 | SECURITHERM therm alum shower panel 6V batt-op back inlets | 78 |
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| 79030015 | TEMPOMIX alu shower panel top inlets Ø15 comp fit ~30sec | 96 | 792414 | *SECURITHERM SS therm pnl 6V batt bck inlet (stck thn 792514) | - |
| 790305 | TEMPOMIX alu shower panel top inlets ~30sec mixer + soap dish | 96 | 792414CF | *SECURITHERM SS panel, bty-op, conc inl (stck then 792514) | - |
| 79030515 | TEMPOMIX alu shower panel top inlets Ø15 mixer + soap dish | 96 | 792452 | *SECURITHERM elec therm shwr rec wtrprf kit (stck then 443218) | - |
| 790310 | TEMPOMIX aluminium shower panel mixer hidden inlets ~30sec | 96 | 792459 | *SECURITHERM elect therm sh mix rec +ROUND (stck then 443219) | - |
| 790350 | TEMPOMIX alu shower panel mixer top inlets ~30sec + handset | 96 | 792504 | SECURITHERM st st therm shower panel 230/6V top inlet + soap | 79 |
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| 790709 | TEMPOMIX recessed/plate shower mixer kit M1/2" + ROUND | 123 | 79400015 | TEMPOMIX 3 basin mix M1/2" ~7sec time flow + stopcock Ø15 | 51 |
| 790712 | *TEMPOMIX rec shower kit M1/2" + TONIC JET(whl stk thn 790709) | - | 79400015AB | TEMPOMIX 3 AB basin mix M1/2" ~7sec time flow + stopcock Ø15 | 51 |
| 790874 | TEMPOMIX exposed shower mixer FFM3/4" ~30sec + elbow unions | 124 | 79400015CO | TEMPOMIX 3 basins M1/2" mixer ~7sec copper tails Ø 15 conn +SC | - |
| 790875 | Replaced by 790874 | - | 79400015LD | Replaced by 79400015 | - |
| 790909 | TEMPOMIX recessed shower mixer kit M1/2" plate Ø195 + ROUND | 123 | 794000AB | TEMPOMIX 3 AB basin mixer F3/8" ~7sec time flow with stopcocks | 51 |
| 790912 | *TEMPOMIX rec sh kit M1/2" Ø195 TONICJET(whl stk thn 790909) | - | 794000LD | Replaced by 794000 | - |
| 790925 | TEMPOMIX rec sh mixer M1/2" Ø15 ~30sec time flow plate Ø195 | - | 794012 | Nanny joint, rec. M1/2" for TEMPOMIX 3 kit 1/2 | 53 |
| 790927 | TEMPOMIX recessed shower mixer M1/2" Ø14 ~30sec plate Ø195 | 123 | 794050 | TEMPOMIX 3 basin mix. M1/2" recessed ~7 sec spout L.110 | 53 |
| 790970 | TEMPOMIX shower mix M3/4" for panels 1-10mm ~30sec time flow | 124 | 794050LD | Replaced by 794050 | - |
| 790975 | TEMPOMIX shower mix M3/4" for panels 8-16mm ~30sec time flow | 57 | 794055 | TEMPOMIX 3 basin mix. M1/2" recessed ~7 sec spout L.190 | 53 |
| 790BOX | Recessed waterproof box for shower mixer - Kit 1/2 | 123 | 794055LD | Replaced by 794055 | - |
| 791300 | Shower alu panel top inlets mechanical mixer sh head 6lpm | 99 | 794100 | TEMPOMIX 3 basin mixer F3/8" ~7sec time flow | 51 |
| 79130015 | Shower alu panel top inlets Ø15 mech mixer sh head 6lpm | 99 | 794100AB | TEMPOMIX 3 AB basin mixer F3/8" ~7sec time flow | 51 |
| 791350 | Shower alu panel top inlets mechanical mixer + handset | 99 | 794100AS | TEMPOMIX 3 basin mixer F3/8" ~7sec time flow brass DZR | 51 |
| 791360 | Shower panel conc inlet mech mix + shower head | 99 | 794100LD | Replaced by 794100 | - |
| 792218 | SECURITHERM therm shower mix rec ~30sec waterproof kit 2/2 | 122 | 794110 | TEMPOMIX 3 basin mixer F3/8" time flow ~7sec H170mm | - |
| 792219 | SECURITHERM therm sh mix rec 30sec +ROUND waterproof kit 2/2 | 122 | 794120 | TEMPOMIX 3 basin mixer F3/8" time flow ~7sec H250mm | - |
| 792300 | SECURITHERM therm aluminium shower panel top inlets ~30sec | 90 | 794150 | *TEMPOMIX 3 bsn mix cr wll 110 ~7s spout L110 (stock thn 794160) | - |
| 79230015 | SECURITHERM thermostatic alu sh panel top inlets Ø15 ~30sec | 90 | 794150AB | Replaced by 794160 | - |
| 792303 | SECURITHERM st steel therm shower panel top inlets ~30sec | 92 | 794150LD | Replaced by 794160 | - |
| 792303CF | *SECURITHERM SS therm panel, top inlets (stock then 792303) | - | 794155 | Replaced by 794165 | - |
| 792304 | SECURITHERM SS therm sh panel top inlets ~30sec + soap dish | 92 | 794155AB | Replaced by 794165 | - |
| 79230415 | SECURITHERM SS therm sh panel top inlets Ø15 ~30sec + soap | 92 | 794155LD | Replaced by 794165 | - |
| 792304CF | *SECURITHERM SS therm panel, top inlets (stock then 79230415) | - | 794160 | TEMPOMIX 3 basin F3/8" cross wall 110 ~7 sec +stopcock L110 | 53 |
| 792305 | SECURITHERM alu shower panel top inlets ~30 sec + soap dish | 90 | 794160AB | Replaced by 794160 | - |
| 792310 | SECURITHERM therm alu shower panel hidden inlets 30 sec | 90 | 794160LD | Replaced by 794160 | - |
| 792310UK | SECURITHERM therm alum shower panel UK hidden inlets 30 sec | 90 | 794165 | TEMPOMIX 3 basin F3/8" cross wall 110 ~7 sec +stopcock L190 | 53 |
| 792313 | SECURITHERM st steel therm shower panel back inlets ~30sec | 92 | 794165AB | Replaced by 794165 | - |
| 792313CF | *SECURITHERM SS therm panel, bck inlet ~30s(stock then 792313) | - | 794165LD | Replaced by 794165 | - |
| 792314 | SECURITHERM SS therm sh panel back inlets ~30sec + soapdish | 92 | 794200 | Recessed TEMPOMIX 3 basin mixer L.110 kit 2/2 (+794BOX3) | 55 |
| 792314CF | *SECURITHERM SS therm panel, back inlets (stock then 792314DP) | - | 794218 | TEMPOMIX 3 rec waterproof shower mixer kit 2/2 (+794BOX1) | 117 |
| 792320 | SECURITHERM therm alu panel top inlets ~30sec handset + fixed | 91 | 794219 | TEMPOMIX 3 rec waterproof shower kit 2/2 + ROUND (+794BOX1) | 117 |
| 792324 | *SECURITHERM therm SS shwr panel top inlet (stock thn 792334) | - | 794250 | Recessed TEMPOMIX 3 basin mixer L.190 kit 2/2 (+794BOX3) | 55 |
| 792330 | SECURITHERM therm alu panel rear inlet ~30sec handset + fixed | 91 | 794350 | TEMPOMIX 3 basin M1/2" exp mix 7sec c-c 150 swivel spl L150 | 51 |
| 792334 | SECURITHERM therm SS panel rear inlet ~30sec handset + fixed | 93 | 794360 | TEMPOMIX 3 basin M1/2" exp mixer 7sec c-c 150 fixed spl L150 | 51 |
| 792340 | *SECURITHERM therm sh panel, alu, top inlet (stock thn 79239015) | - | 794370 | TEMPOMIX 3 basin M1/2" exp mixer ~7 sec c-c 150 short spout | 51 |
| 792344 | SECURITHERM st steel therm sh panel top inlets + handspray | 93 | 794400 | TEMPOMIX 3 shower M3/4" exp mixer ~30 sec c-c 150 top outlet | 121 |
| 792344CF | *SECURITHERM SS therm panel, top inlets (stock then 792344) | - | 794450 | TEMPOMIX 3 shower kit M3/4" exposed mixer ~30 sec c-c 150 | 121 |
| 792350 | Replaced by 792380 | - | 794450AB | Replaced by 794450 | - |
| 792354 | Replaced by 792344 | - | 794470 | TEMPOMIX 3 shower M1/2" exp mixer ~30 sec c-c 150 btm outlet | 121 |
| 792354CF | *SECURITHERM SS panel back inl+hdspray (stck then 792344) | - | 794BOX1 | Recessed waterproof housing for TEMPOMIX 3 shower 1/2" -kit ½ | 117 |
| 792370 | SECURITHERM therm alu shower panel top inlets handset ~30sec | - | 794BOX3 | Recessed waterproof box for TEMPOMIX 3 basin mixer - kit 1/2 | 55 |
| 792380 | SECURITHERM therm alu sh panel hidden inlets handset + fix | 91 | 794MBOX1 | Replaced by 794BOX1 | - |
| 792390 | SECURITHERM therm alu sh panel top inlets handset + fix | 91 | 794PLAQ | Wall plate for TEMPOMIX 3 recessed shower | 265 |
| 79239015 | SECURITHERM alu shower panel top inlets Ø15 handset + fix | 91 | 794PLAQ11 | Wall plate for TEMPOMIX 3 recessed basin mixer spout L.110mm | 264 |
| 792400 | SECURITHERM therm alum shower panel 6V battery-op top inlets | 78 | 794PLAQ19 | Wall plate for TEMPOMIX 3 recessed basin mixer spout L.190mm | 264 |
| 79240015 | SECURITHERM therm alu sh panel 6V battery-op top inlets Ø15 | 78 | 795000 | TEMPOMIX basin mixer F3/8" ~7sec time flow +stopcocks | 57 |
| 792403 | *SECURITHERM st st therm pnl 6V batt tp inl (stck then 792504) | - | 79500015 | TEMPOMIX basin mixer M1/2" Ø15 ~7sec + stopcocks | 57 |
| 792403CF | *SECURITHERM SS panel 6V batt-op top inl (stck then 792504) | - | 79500015CO | TEMPOMIX basins M1/2" mixer ~7sec copper tails Ø 15mm conn +SC | - |

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

| REF. | DESCRIPTION | P. | REF. | DESCRIPTION | P. |
|-------------|-----------------------------------------------------------------------|-----|------------|-----------------------------------------------------------------------|-----|
| 795000AB | TEMPOMIX AB basin mixer F3/8" ~7sec + stopcocks | - | 9203 | Safety free standing eye wash and shower combination | 255 |
| 795100 | TEMPOMIX basin mixer F3/8" ~7 sec time flow | 57 | 922016.2P | 2 × Flow straightener M16.5/100 | 267 |
| 795100AB | TEMPOMIX AB basin mixer F3/8" time flow ~7sec | - | 922022.2P | 2 × Eco flow straightener adjustable flow rate F22/100 | 68 |
| 795100AS | TEMPOMIX basin mixer F3/8" ~7 sec ABS control DZR brass | 57 | 922024.2P | 2 × Eco flow straightener adjustable flow rate M24/100 | 68 |
| 795209 | TEMPOMIX c-wall 220 basin mixer kit M3/4" ~7sec time flow | 241 | 9225 | Safety shower head | 257 |
| 795209AB | TEMPOMIX AB basin mixer M3/4" kit c-wall 220 time flow ~7sec | - | 923016.2P | 2 × BIOSAFE outlets M16.5/100 | 68 |
| 796000 | TEMPOMIX wall mtd basin mixer M3/4" ~7 sec with fixed spout | 57 | 925616.2P | 2 × Scale-resistant aerators M16.5/100 | 68 |
| 796209 | TEMPOMIX c-wall 220 shower mixer kit M3/4" ~30sec + ROUND | 243 | 925622.2P | 2 × Scale proof aerators F22/100 + eco washer | 267 |
| 796838 | *TEMPOMIX wall mtd bsn mix ~7s fix spout+ang unions (stck thn 796000) | - | 925624.2P | 2 × Scale proof aerators M24/100 + eco washer | 267 |
| 798152 | TEMPOMIX wall mounted basin mixer M3/4" ~7sec swivel spout | 57 | 925716.2P | 2 × ECO aerators 1.4 lpm - M16.5/100 | 68 |
| 806794 | Union M1/2" F3/4" for flexible with TEMPOMIX 3 shower | - | 925724.2P | 2 × ECO aerators 1.4 lpm - M24/100 | 68 |
| 807792 | Removable push-fit rapid STOP connector FM1/2" for sh panel | 106 | 927005.5P | 5 × Flow-rate regulator 5-6 lpm FM1/2" | 135 |
| 811611.2P | 2 × Copper tails M11 × 1 L365mm | - | 927015.5P | 5 × Flow-rate regulator 10 lpm FM1/2" | 135 |
| 820122N | Push-fit union F22/100 for BIOFIL tap filter | 141 | 941120 | Wall mounted fixed L-shaped spout M1/2" L120 - H60 adj FS | 67 |
| 820123 | Push-fit union M1/2" for BIOFIL tap filter | 141 | 941922 | Wall mtd L-shaped spout for panels 1-10mm M1/2" L120 H60 FS | 67 |
| 820124N | Push-fit union M24/100 for BIOFIL tap filter | 141 | 942040 | Spout for cross wall 30mm M1/2" L75 flow straightener | 67 |
| 820125 | Push-fit union M24×125 for BIOFIL tap filter | 141 | 942200 | Discontinued | - |
| 820126N | Push-fit union M16.5×100 for BIOFIL tap filter | 141 | 947120 | Wall mounted fixed spout M1/2" L110 H16 Ø32 adjustable FS | 67 |
| 821122 | Anti-vandal union F22/100 for BIOFIL tap filter | 141 | 947135 | Wall mtd fixed spout M1/2" L120 H16 Ø32 adj FS + plate Ø60 | 67 |
| 821123 | Anti-vandal union M1/2" for BIOFIL tap filter | 141 | 947151 | Fixed spout for walls 165mm M1/2" L120 Ø32 adjustable FS | 67 |
| 821124 | Anti-vandal union M24/100 for BIOFIL tap filter | 141 | 947157 | Fixed spout for walls 165mm M1/2" L170 Ø32 adjustable FS | 67 |
| 821125 | Anti-vandal union M24/125 for BIOFIL tap filter | 141 | 947170 | Wall mounted fixed spout M1/2" L160 H16 Ø32 adjustable FS | 67 |
| 822115 | Extension union MF1/2" L100 Ø24 chromed for wall mtd taps | 63 | 967152 | Swivel swan neck spout M1/2" L150 H120 adj flow straightener | 67 |
| 822516 | Extension union MF1/2" L50 Ø26 chromed for wall mounted taps | 63 | 967202 | Swivel swan neck spout M1/2" L200 H200 adj flow straightener | 67 |
| 822741 | Chrome-plated extension L 50mm for wall-mounted TEMPOSOFT | - | 981142 | Fixed cast spout M1/2" L140 H120 adj flow straightener | 67 |
| 824800 | Reinforced plate Ø80 4 screws wall mtd TEMPOMIX, TEMPOSOFT | 57 | 983615 | *ECONOMIX standard thermostatic mixer 15/3 | - |
| 825015 | Inline stopcock union nickel plated MF1/2" L35 | 136 | 983622 | *ECONOMIX standard thermostatic mixer 22/3 | - |
| 825212 | Inline stopcock union MF3/8" L45 retractable straight nut | 27 | 990123 | 2 × Lithium batteries 3V type 123A for elect unit 495446BC | 269 |
| 825212.2P | x2 inline stopcocks FM 3/8" - L45mm | 27 | 990223 | Lithium battery 6V type 223 for units 479446, 490446, 492446 | 269 |
| 825215 | Inline stopcock union MF1/2" L70 retractable straight nut | 125 | 993615 | Discontinued | - |
| 826315 | Back-nut F1/2" 4mm thick with 3 screws and washer | 57 | 993622 | Discontinued | - |
| 827032 | Inlet socket union for squat WC Ø28/32 | - | 999049 | 4 × Vandal proof screws TORX M5×25 + pegs | 267 |
| 836015 | Elbow wall union with stopcock MF1/2" L30 H30 | 125 | A22D75 | Safety aerator F22/100 for safety hand sprays | 257 |
| 836020 | Elbow wall union with stopcock M1/2" F3/4" L30 H30 | 57 | A22LY75 | Safety aerator F22/100 for eye wash | 257 |
| 836215 | Elbow wall union with stopcock MF1/2" L20 H30 | 136 | BA9915 | *2 × 15mm Combi angled inlet assembly (while stock) | - |
| 838015 | Elbow wall union MF1/2" L30 H27 | 136 | BJ13V | Flow straightener Ø13 in Hostaform® | 267 |
| 838020 | Elbow wall union M1/2" F3/4" L30 H29 | 57 | C282025 | 2.5mm Allen key to adjust flow rate on Eco flow straightener | 68 |
| 841215 | Reinforced exposed connection MF½" with CB nut Ø 51mm | 69 | CEL378150V | Detector + L1.50m cable for BINOPTIC, TEMPOMATIC 2 | 269 |
| 841315 | Chromed backplate elbow MF1/2" with stud nut Ø14 | 63 | CEL378499V | Detector + L5m cable for BINOPTIC, TEMPOMATIC 2 | 269 |
| 855755.2P | 2 × STOP/CHECK unions M1/2"-M3/4", offset 12mm | 68 | CEL378V | Detector + L0.70m cable for BINOPTIC, TEMPOMATIC 2 | 269 |
| 855755UK.2P | 2 × STOP/CHECK unions M1/2"-M3/4" inline | 68 | CF | Replaced by DP | - |
| 856794.2P | 2 × S union M1/2" M3/4" with cover plate, offset 11mm | 68 | DP | Rain effect comfort diffuser, vandal proof, M24×1.25 | 136 |
| 868121 | Wall mounted elbow outlet MM1/2" H33 for shower | 137 | GR | *Rain effect spray grid M24×1.25 (while stk then DP) | - |
| 874220.2P | 2 × Elbow union FF3/4" with captive nut | 136 | GR7V | Grid renovation for head 64... | - |
| 88CH5 | Ceiling mtd shower head F1/2" chromed brass 5 rings | 135 | H9634 | SECURITHERM thermostatic sequential shower panel back inlets | 95 |
| 900015 | Non return valve DW15 | 267 | H9635 | SECURITHERM therm seq shower panel back inlets + handset | 95 |
| 900020 | Non return valve DW20 | 267 | H9636 | SECURITHERM sequential shower panel flexi inlets w. handset | 95 |
| 9102 | Wall mounted safety eye wash with bowl | 256 | H963615 | SECURITHERM sequential shower panel copper inlets w. handset | 95 |
| 9108 | Horizontal safety wall mounted shower | 256 | H9639 | SECURITHERM sequential therm shower panel flexible inlets | 95 |
| 9120C | Wall-mounted single spray eye wash + identification sign | 257 | H963915 | SECURITHERM sequential therm shower panel copper inlets Ø15 | 95 |
| 9121 | Wall-mounted dual spray eye wash + identification sign | 257 | KB7007 | BINECO maintenance kit for basin/urinal ~7sec time flow (while stock) | - |
| 9140C | Deck-mounted single spray eye wash + identification sign | 257 | KB7015 | BINECO maintenance kit for basin 15sec time flow (while stock) | - |
| 9141 | Deck-mounted dual spray eye wash + identification sign | 257 | KB7025 | BINECO maintenance kit for shower ~25sec time flow (while stock) | - |
| 91AA75 | Safety aerator covers for eye wash | 257 | KBP311N | BINECO maintenance kit for shower starter and fountain 83-84 | 267 |
| 9201 | Safety free standing eye wash with bowl | 256 | | | |

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

The general terms and conditions are valid for all customers.

ORDERS AND QUOTATIONS:

These will be processed in order of receipt. We do not accept open orders or orders for call-off. All orders sent imply acceptance of our general terms and conditions of sale and customers waive any claims that may arise from clauses in their own documentation which may differ. The customer agrees to these terms from the moment that we receive the order, which cannot be cancelled. Orders are accepted without obligation to deliver the order in full in one delivery. Our commercial representatives are not authorised to agree additional terms verbally, or to provide verbal guarantees beyond those provided in the written contract. In the event of default or delayed payment, the Company will be entitled to suspend deliveries or cancel existing orders without any claim for damages from the customer. In the event of a change in circumstances of the buyer, we reserve the right to cancel existing orders or to demand payment guarantees. Our quotes do not amount to specifications; specifiers and professional installers are solely responsible for the choice of products according to their intended use, current regulations and recommended guidelines.

PRICE:

Deliveries are invoiced according to the conditions in place at the date of despatch. Prices are given without guarantee and they may be changed without notice subject to fluctuations in costs, VAT or other taxes, according to the prevailing economic conditions. Price increases will be announced one month prior to their application, and they apply to quotes and orders in hand.

PAYMENTS:

Terms of payments are confirmed when an account is opened, and are dependent on the terms of our credit insurance, and according to each country. We do not give discount for early payment.

In accordance with Article L441-6 of the Commercial Code, any delay in payment will give rise to the following from the first day of delay, regardless of their status with the supplier:

- An interest rate for delayed payment will be applied, equal to the European Central Bank refinancing rate plus 10% (French Law of Modernization of the Economy - LME - No. 2008-776 of 4th August 2008);
- A one-off payment of 40 Euros will apply to cover expenses (European Directive 2011/7 of 16th February 2011, Law 2012-387 of 22nd March 2012, and Decree 2012-1115 of 2nd October, 2012);
- When the recovery costs exceed the amount of the one-off payment, additional compensation will apply where justified.

In the case of late payment, a one-off payment may be required, replacing existing conditions. We will not accept any set off, only our assets have a legal value.

DELIVERY TIMES:

Despatch dates are indicative only and we shall not be liable for any delay or failure in carrying out our obligations where the delay or failure to deliver is caused by risks of manufacturing or where the cause is beyond our control. Delivery delay will not give rise to compensation payment or goods rejection.

SHIPPING:

Orders are sent to our distributors. We do not deliver to site. Charges and risks incurred from the transfer of merchandise depend on the Incoterm used for the commercial transaction. The carrier is solely responsible for their delivery, and in the event of delay, missing items, damage or other dispute, the customer must indicate this via the delivery driver's paperwork (either electronically or in hard copy) AND follow up with written notification sent by recorded delivery within 24 hours. A copy of this letter must be addressed to us.

CLAIMS:

No claim will be allowed where the delay in reporting exceeds 8 days following receipt of the goods. The whole of the delivery cannot be rejected because of partial damages and shortages.

PROPERTY IN GOODS:

Notwithstanding any agreed terms of sale, the goods shall remain the property of the seller until payment is made in full. The failure to meet a payment deadline may result in the reclamation of these goods. The buyer assumes the risks of loss or damage, regardless of the means of delivery, as described in 'DELIVERY TIMES' and 'SHIPPING' above, as well as liability for the damage they might cause.

WARRANTY AND RESPONSIBILITY:

Our finished goods delivered after 1st January 2024 are warrantied against any manufacturing defect for a period of 30 years, including electronic controls, excluding other electrical accessories (e.g., hand dryers, etc.) which have a 3-year warranty from the invoice date. This does not apply to products with an expiry date. Spare parts have a one-year warranty. This warranty is limited to replacement or repair of defective components as determined by our workshops in France but excludes the costs of spoilage, handling and carriage or compensation whatever they are. We are not responsible for handling charges and the cost of returning products to our workshops. Disasters or major water damage as a result of manufacturing defects are covered by our product and/or public liability insurance.

To invoke the warranty, the customer must immediately notify us in writing of the defects attributed to the product, specifying the conditions of use in place at the time of their discovery and provide us with all relevant material elements demonstrating the existence and nature of the defect. Our warranty and responsibility does not include the following:

- installation that does not comply with the technical specification or current recommended guidelines;
- worn parts;
- non-compliance with installation, user and maintenance guides;
- other factors independent of our products' quality, for example: detergents or abrasive cleaning products, the action of hard water, foreign bodies (e.g., gravel, sand, iron filings, scale, etc.), chemical and electrolytic phenomenon;
- lack of supervision, poor storage or poor maintenance;
- product modifications or actions by the customer, or a third party, without our authorisation using non-DELABIE components and/or consumable items.
- errors, carelessness, negligence or incorrect information from the client;
- products past their expiry date.

The water-tightness of connections, joints and the product housing is the responsibility of the professional responsible for installation, and must be guaranteed by them. Warranty excludes joints, valves, washers and rubber seals. However, they would be supplied if the warranty application requires them. Any finishes other than chrome or nickel are also excluded from the warranty. In the event that the product has been discontinued or manufacturing methods have changed and replacements are not available, similar alternative products will be offered. Replacement under warranty will not extend the duration of the original warranty.

The supplier's civil liability is excluded in all cases listed above. It is limited to compliance with the specifications and can only be initiated if the Customer has previously demonstrated the existence and extent of damage, a fault and the causal link between this fault and the damage. It is limited to direct material damage, excluding all immaterial or indirect damage such as loss of operation, profit, opportunity, commercial damage, loss of earnings. The supplier's liability, for all causes except bodily injury and gross negligence, is limited to €750,000 per order or contract.

MEDICAL DEVICES:

DELABIE is obliged to deliver Products that comply with the specifications and quality standards as per REGULATION (EU) 2017/745 of 5 April 2017 on medical devices.

All documentation that is necessary for a reseller to sell the goods and to fulfill the obligations set out to chapter II Art. 14 of 2017/745 MDR (general obligations of Resellers) can be provided by DELABIE upon request (i.e. EU declaration of conformity).

As a reseller, the customer shall maintain a complete and current listing of the locations of all Products in Reseller's inventory and the names of its customers who have purchased Products in the Reseller's inventory and the names of its customers who have purchased products from the Reseller, together with the dates of such purchases and Product lot numbers for at least ten years.

The commercial documentation as well as the ancillary documents, such as the instructions for use, the regulatory labelling and the technical information, may not be changed or modified by the Reseller. DELABIE cannot be held responsible for any change in the content of the documents and labelling if this is not the case.

The reseller undertakes not to make any changes to the products, either to the device itself or to its packaging or labelling.

As part of its quality system, the Reseller will ensure that, as long as the products are under its responsibility, the storage or transport conditions comply with the conditions defined by DELABIE. This vigilance will focus in particular on expiry dates, with the removal of out-of-date products from the shelves, as well as appropriate storage facilities in which the conditions are those required by the characteristics of the products and best adapted to ensure their proper preservation.

As a reseller, the customer shall within five working days from the date of receipt notify DELABIE or National Authorities (see link below) with any written complaint regarding a Product received from its customers. DELABIE shall provide the Reseller with a preliminary answer within two working days from the date of receipt of the Reseller's notice.

https://health.ec.europa.eu/medical-devices-sector/new-regulations/contacts_en
DELABIE, as the manufacturer of the medical devices is responsible for fulfilling the duties according to chapter VII section 1 and 2 of 2017/745 MDR (post-market surveillance, vigilance).

As a reseller, the customer must support DELABIE in the event of a recall, and shall inform its customers in such a way as to cause the least disruption of the sales of the Products and to preserve the goodwill and reputation attached to the Products and to the names of DELABIE and the Reseller.

DELABIE shall pay in full all costs of retrieval, recall and replacement of the Products (including if such recall or replacement is required by DELABIE). DELABIE shall maintain adequate records of manufactured Products by batch and lot, including test and laboratory observation data and will provide copies of such records to the Reseller, as may be reasonably necessary in connection with any recall.

SPARE PARTS:

Spare parts and mechanisms that are essential to ensure the correct operation of our products will be held in stock for 50 years from the date of purchase. They are listed at the back of our catalogues.

RETURNS:

Goods may not be returned to us for credit without our prior written approval obtained by the buyer from the Company and they are received in a good state (determined by our goods inwards department). All transportation costs for returned goods must be paid by the buyer. Goods must be returned to our factory* with good protective packaging.

Deliveries less than a month old will be refunded at the invoiced price. For deliveries older than one month, a deduction will be made for checking, handling and administration costs. A repair and re-stocking fee will apply where appropriate.

Product returns are not permitted in the following circumstances: discontinued products, specially manufactured products, technical or aesthetic

evolution of the product since the date of purchase, scratched or damaged products, products purchased more than one year previously, products with an expiry date. If sent to DELABIE, those products outside the scope of returns will be immediately destroyed/recycled, and will not be returned to the customer.

The schedule of standard deductions is as follows:

- return less than 1 month: refund at invoiced price
- return between 1 and 3 months: deduction of 15%
- return between 3 months and 1 year: deduction of 30%
- return after 1 year: no refund possible.
- return without prior agreement: additional deduction of 5% of the value of the goods with a minimum value of €50 excl. VAT.

* DELABIE S.A.S.

18, rue du Maréchal Foch
80130 Friville Escarbotin – FRANCE

CLEANING - MAINTENANCE:

Clean with slightly soapy water only, using a soft cloth or sponge, rinse and dry thoroughly. Do not use abrasive or chlorine-based products (with a hydrochloric acid base), or dyes.

PHOTOGRAPHS AND DRAWINGS:

All photos, drawings or illustrations are for illustrative purposes only, without contractual obligation, and may be subject to change without notice.

We reserve the right to modify designs and dimensions without notice and without recourse. This applies to all references, dimensions, information contained in various documents, catalogues, installation guides, price lists and websites, which can be modified or discontinued at any time without notice.

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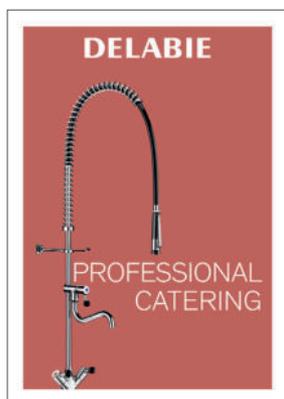
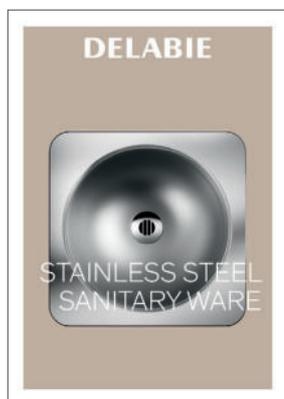
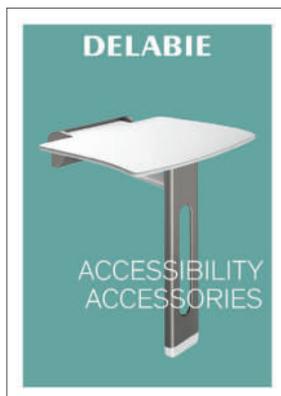
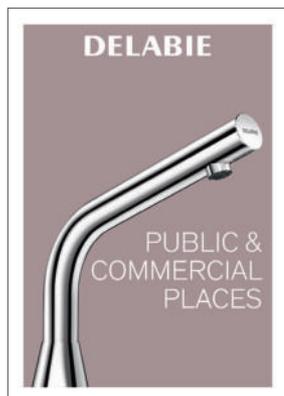
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