PUBLIC & COMMERCIAL PLACES
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 lifespan, 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.
# Delabie Catalogue

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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

<table>
<thead>
<tr>
<th>Number of basins</th>
<th>Airport</th>
<th>Service station</th>
<th>Offices</th>
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</thead>
<tbody>
<tr>
<td>Number of days open / year</td>
<td>600</td>
<td>365</td>
<td>365</td>
</tr>
<tr>
<td>Consumption / year (domestic 9 lpm)</td>
<td>1,576,800m³</td>
<td>8,760m³</td>
<td>4,140m³</td>
</tr>
<tr>
<td>Consumption / year (DELABIE 9 lpm)</td>
<td>197,100m³</td>
<td>1,095m³</td>
<td>518m³</td>
</tr>
<tr>
<td>Annual savings</td>
<td>€8,278,200</td>
<td>€45,990</td>
<td>€21,735</td>
</tr>
<tr>
<td>Excluding VAT</td>
<td>€6,278,200</td>
<td>€44,990</td>
<td>€20,735</td>
</tr>
</tbody>
</table>

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, HOE, 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.
COMFORT AND ERGONOMICS

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.

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.).
Solutions for Public and Commercial Places / DELABIE

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.
ENVIROMENTAL 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

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.

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

**German DGNB**
"Deutsche Gesellschaft für Nachhaltiges Bauen"
- Sustainable quality and building development
- Hydro-economic solutions
- New buildings
- Points systems with 3 levels of certification

**French HQE**
"Haute Qualité Environnementale"
- Environmental approach
- Controlling the building’s life cycle
- Points system
- 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

**British BREEAM**
BRE’s Environmental Assessment Method
- Sustainable building development
- Environmental performance
- New buildings or refurbishment projects
- Credit system

**Dutch BREEAM NL**
BRE’s Environmental Assessment Method
- Sustainable building development
- Environmental performance
- New buildings or refurbishment projects
- Credit system

**German BNB**
"Bewertungssystem Nachhaltiges Bauen für Bundesgebäude"
- Sustainable approach
- Controlling the building’s life cycle
- Public buildings
- Points systems with 3 levels of performance

**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.

<table>
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<th>References</th>
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<td>7</td>
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<tr>
<td>Basin</td>
<td>745100</td>
<td>I</td>
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<th>Type of product</th>
<th>References</th>
<th>Acoustic class</th>
<th>Lap</th>
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<td>Shower</td>
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<td>II</td>
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<tr>
<td>Basin</td>
<td>795000</td>
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Taps with automatic shut-off

Mixers with automatic shut-off

European Water Label (EU)
TMV3 (UK)
WRAS (UK)
STF (FR)

WATERMARK (AU)

SVGW/SSIGE (CH)

DIN-DVGW (DE)
SINTEF (NOR)
SASO EFFICIENCY (KSA)

ESSMA (UAE)

GA (HK)
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, 2028, 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 2006 by a working group under the aegis of the Ministry of Health, mentions the monitoring levels for Bacillus pyocyanus (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.
EUROPEAN WATER QUALITY REGULATIONS

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).

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).

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.

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.

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
Basins

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Electronic basin controls / DELABIE

HYGIENE AND CONTROLLING BACTERIAL PROLIFERATION

Opens/closes automatically, with no manual contact
Electric 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.

COMPARISONS OF WATER CONSUMPTION
Comparison between a conventional mixer and a DELABIE electronic mixer

<table>
<thead>
<tr>
<th>Flow rate</th>
<th>Wetting</th>
<th>Soaping</th>
<th>Rinsing</th>
<th>Water consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 lpm</td>
<td>5 sec.</td>
<td>20 sec.</td>
<td>7 sec.</td>
<td>4.8L 32 sec.</td>
</tr>
<tr>
<td>3 lpm</td>
<td>5 sec.</td>
<td>X</td>
<td>7 sec.</td>
<td>0.6L 12 sec.</td>
</tr>
</tbody>
</table>

Water savings per use

0% 90%
32 sec. 12 sec.

Conventional mixer 9 lpm DELABIE mixer 3 lpm
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.

- 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).

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
  ΔP < 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

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.
BASINS

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

INTEGRATED ELECTRONIC UNIT PROTECTED BY A WATERPROOF CAP
Easy to maintain

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

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

DIRECT ACCESS TO BATTERIES AND SOLENOID VALVE
Easy to maintain

SCALE-RESISTANT FLOW STRAIGHTENER
Minimal servicing

ADJUSTABLE 3 LPM FLOW RATE
Water savings

MAXIMUM TEMPERATURE LIMITER CAN BE ADJUSTED
Anti-scalding safety

PROGRESSIVE TEMPERATURE CONTROL LEVER
Improved comfort

Featured product: TEMPOMATIC MIX 4 electronic battery-operated basin mixer (ref. 490006)
TEMPOMATIC 4
Deck-mounted electronic basin tap/mixer

- 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 MIX 4 mixer
Recessed mains supply
Plug-in mains supply
6V Lithium battery-operated

TEMPOMATIC 4 tap
Recessed mains supply
Plug-in mains supply
6V Lithium battery-operated

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
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.
- Side temperature control with adjustable maximum temperature limiter on mixers.
- Suitable for people with reduced mobility.
- 30-year warranty.

We recommend installing a TMV for taps (see page 143)
BINOPTIC 2 chrome-plated electronic basin tap 373110 - BINOPTIC electronic soap dispenser 512021P
HIGHFLOW hand dryer 510622
Electronic basin controls BINOPTIC 2 / DELABIE

- **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.

**BINOPTIC 2 electronic tap/mixer height 100mm**

<table>
<thead>
<tr>
<th>Finish</th>
<th>F³”</th>
<th>Ø15mm for comp. fittings (UK/Ireland)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Satin finish</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mixer - Mains supply</td>
<td>473100</td>
<td>47300015</td>
</tr>
<tr>
<td>Mixer - Battery-operated</td>
<td>473106</td>
<td>47300615</td>
</tr>
<tr>
<td>Tap - Mains supply</td>
<td>373100</td>
<td>37300015</td>
</tr>
<tr>
<td>Tap - Battery-operated</td>
<td>373106</td>
<td>37300615</td>
</tr>
<tr>
<td><strong>Chrome-plated finish</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mixer - Mains supply</td>
<td>473110</td>
<td>47301015</td>
</tr>
<tr>
<td>Mixer - Battery-operated</td>
<td>473116</td>
<td>47301615</td>
</tr>
<tr>
<td>Tap - Mains supply</td>
<td>373110</td>
<td>37301015</td>
</tr>
<tr>
<td>Tap - Battery-operated</td>
<td>373116</td>
<td>37301615</td>
</tr>
<tr>
<td><strong>Matte black chrome finish</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mixer - Mains supply</td>
<td>473130</td>
<td>47303015</td>
</tr>
<tr>
<td>Mixer - Battery-operated</td>
<td>473136</td>
<td>47303615</td>
</tr>
<tr>
<td>Tap - Mains supply</td>
<td>373130</td>
<td>37303015</td>
</tr>
<tr>
<td>Tap - Battery-operated</td>
<td>373136</td>
<td>37303615</td>
</tr>
</tbody>
</table>

**Stopcocks**

- Stopcock MF ⅜”L, 45mm - 1 item: 825212
- Stopcocks MF ⅜”L, 45mm - 2 items: 825212.2P

*We recommend installing a TMV for taps (see page 143).*
BINOPTIC 2 chrome-plated electronic basin tap 374110 • QUADRA semi-recessed washbasin 120650
**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®

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**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.

**Satin finish**

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Code</th>
<th>Code (UK/Ireland)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixer - Mains supply</td>
<td>474100</td>
<td>47400015</td>
</tr>
<tr>
<td>Mixer - Battery-operated</td>
<td>474106</td>
<td>47400615</td>
</tr>
<tr>
<td>Tap - Mains supply</td>
<td>374100</td>
<td>37400015</td>
</tr>
<tr>
<td>Tap - Battery-operated</td>
<td>374106</td>
<td>37400615</td>
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</tbody>
</table>

**Chrome-plated finish**

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Code</th>
<th>Code (UK/Ireland)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixer - Mains supply</td>
<td>474110</td>
<td>47401015</td>
</tr>
<tr>
<td>Mixer Bluetooth® Connect series Mains supply</td>
<td>474110E</td>
<td>-</td>
</tr>
<tr>
<td>Mixer - Battery-operated</td>
<td>474116</td>
<td>47401615</td>
</tr>
<tr>
<td>Tap - Mains supply</td>
<td>374110</td>
<td>37401015</td>
</tr>
<tr>
<td>Tap Bluetooth® Connect series Mains supply</td>
<td>374110E</td>
<td>-</td>
</tr>
<tr>
<td>Tap - Battery-operated</td>
<td>374116</td>
<td>37401615</td>
</tr>
</tbody>
</table>

**Matte black chrome finish**

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Code</th>
<th>Code (UK/Ireland)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixer - Mains supply</td>
<td>474130</td>
<td>47403015</td>
</tr>
<tr>
<td>Mixer - Battery-operated</td>
<td>474136</td>
<td>47403615</td>
</tr>
<tr>
<td>Tap - Mains supply</td>
<td>374130</td>
<td>37403015</td>
</tr>
<tr>
<td>Tap - Battery-operated</td>
<td>374136</td>
<td>37403615</td>
</tr>
</tbody>
</table>

**Stopcocks**

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stopcock MF½&quot; L, 45mm - 1 item</td>
<td>825212</td>
</tr>
<tr>
<td>Stopcocks MF½&quot; L, 45mm - 2 items</td>
<td>825212.2P</td>
</tr>
</tbody>
</table>

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 5106248
• 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).
- Scale-resistant aerator.
- Adjustable duty flush (pre-set flush ~60 seconds every 24 hours after last use).
- 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.

**BINOPTIC 2 tap/mixer height 250mm**

<table>
<thead>
<tr>
<th>Finish</th>
<th>FL&quot;</th>
<th>Ø15mm for comp. fittings (UK/Ireland)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Satin finish</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mixer - Mains supply</td>
<td>475100</td>
<td>47500015</td>
</tr>
<tr>
<td>Mixer - Battery-operated</td>
<td>475106</td>
<td>47500615</td>
</tr>
<tr>
<td>Tap - Mains supply</td>
<td>375100</td>
<td>37500015</td>
</tr>
<tr>
<td>Tap - Battery-operated</td>
<td>375106</td>
<td>37500615</td>
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</tbody>
</table>

**Chrome-plated finish**

| Mixer - Mains supply | 475110 | 47501015 |
| Mixer - Battery-operated | 475116 | 47501615 |
| Tap - Mains supply | 375110 | 37501015 |
| 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 ¾"L, 45mm - 1 item | 825212 |
| Stopcocks MF ¾"L, 45mm - 2 items | 825212.2P |

We recommend installing a TMV for taps (see page 143)
Recessed water inlets
3 installation options

Recessed in concrete

Plasterboard rails

Solid walls

Cross wall
**Electronic basin controls** BINOPTIC 2 / DELABIE

**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.

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

<table>
<thead>
<tr>
<th>½&quot;</th>
<th>Ø15mm for comp. fittings (UK/Ireland)</th>
</tr>
</thead>
</table>

#### BINOPTIC 2 wall-mounted tap/mixer

<table>
<thead>
<tr>
<th>Satin finish</th>
<th>Chrome-plated finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kit 1: Nanny joint for recessed water inlet</td>
<td>Kit 1: Nanny joint for recessed water inlet</td>
</tr>
<tr>
<td>Kit 2: Mixer L. 240mm with stopcocks</td>
<td>Kit 2: Mixer L. 240mm with stopcocks</td>
</tr>
<tr>
<td>Tap L. 220mm without stopcock - Recessed</td>
<td>Tap L. 220mm without stopcock - Recessed</td>
</tr>
<tr>
<td>Tap L. 140mm with stopcock - For thin panels</td>
<td>Tap L. 140mm with stopcock - For thin panels</td>
</tr>
<tr>
<td>484012 + 484000</td>
<td>484012 + 484010E</td>
</tr>
<tr>
<td>Tap L. 220mm with stopcock - Recessed</td>
<td>Tap L. 220mm with stopcock - Recessed</td>
</tr>
<tr>
<td>384100</td>
<td>384110</td>
</tr>
<tr>
<td>Tap L. 140mm with stopcock - For thin panels</td>
<td>Tap L. 140mm with stopcock - For thin panels</td>
</tr>
<tr>
<td>383000</td>
<td>383010</td>
</tr>
<tr>
<td>Mixer L. 220mm with stopcocks For cross wall installation</td>
<td>Mixer L. 220mm with stopcocks For cross wall installation</td>
</tr>
<tr>
<td>482010</td>
<td>482010</td>
</tr>
<tr>
<td>Tap L. 220mm without stopcock - Recessed</td>
<td>Tap L. 220mm without stopcock - Recessed</td>
</tr>
<tr>
<td>384110</td>
<td>384110E</td>
</tr>
<tr>
<td>Tap L. 140mm with stopcock - For thin panels</td>
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</tr>
<tr>
<td>383010</td>
<td>383010E</td>
</tr>
<tr>
<td>Mixer L. 220mm with stopcock For cross wall installation</td>
<td>Mixer L. 220mm with stopcock For cross wall installation</td>
</tr>
<tr>
<td>382010</td>
<td>382010</td>
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<tr>
<td>Tap L. 220mm without stopcock - Recessed</td>
<td>Tap L. 220mm without stopcock - Recessed</td>
</tr>
<tr>
<td>384130</td>
<td>384130</td>
</tr>
</tbody>
</table>

#### Stopcocks

- Stopcock MF¾” L. 45mm - 1 unit 825212
- Stopcocks MF¾” L. 45mm - 2 units 825212.2P

We recommend installing a TMV for taps (see page 143)
**Option:** matching soap dispenser (see page 71)
DELABIE / Electronic basin controls BINOPTIC 2

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 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.

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.
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.

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

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.

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

BINOPTIC 2 tap recessed in waterproof housing

<table>
<thead>
<tr>
<th>Finish</th>
<th>Supply Type</th>
<th>Code 1</th>
<th>Code 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Satin finish - mains supply 230V</td>
<td>370SBOX + 370100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chrome-plated finish - mains supply 230V</td>
<td>370SBOX + 370110</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Satin finish - 6V batteries</td>
<td>370PBOX + 370106</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chrome-plated finish - 6V batteries</td>
<td>370PBOX + 370116</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

We recommend installing a PREMIX TMV (see page 143)
**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 ≤ 110mm.
- 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.

### BINOPTIC
Recessed electronic basin tap

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

<table>
<thead>
<tr>
<th>BINOPTIC wall-mounted tap - Chrome-plated finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recessed, spout L. 200mm</td>
</tr>
<tr>
<td>For walls ≤ 190mm, spout L. 205mm</td>
</tr>
<tr>
<td>For walls ≤ 190mm, spout L. 135mm</td>
</tr>
</tbody>
</table>

**BLACK BINOPTIC wall-mounted tap - Matte black chrome finish**

<table>
<thead>
<tr>
<th>BLACK BINOPTIC wall-mounted tap - Matte black chrome finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recessed, spout L. 200mm</td>
</tr>
<tr>
<td>For walls ≤ 190mm, spout L. 205mm</td>
</tr>
</tbody>
</table>

We recommend installing a PREMIX TMV (see page 143)

**Option:** matching soap dispenser (see page 71)
Electronic basin controls **BINOPTIC / DELABIE**

- **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

- 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.

#### BINOPTIC MIX mixer (standard lever) - Chrome-plated finish

<table>
<thead>
<tr>
<th>Mains supply</th>
<th>378MCH</th>
<th>378MCH15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery-operated</td>
<td>478MCH</td>
<td>478MCH15</td>
</tr>
</tbody>
</table>

#### BINOPTIC tap - Chrome-plated finish

<table>
<thead>
<tr>
<th>Mains supply</th>
<th>378015</th>
<th>37801515</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery-operated</td>
<td>478015</td>
<td>47801515</td>
</tr>
</tbody>
</table>

#### BLACK BINOPTIC MIX mixer (standard lever) - Matte black chrome finish

<table>
<thead>
<tr>
<th>Mains supply</th>
<th>378MBCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery-operated</td>
<td>478MBCH</td>
</tr>
</tbody>
</table>

#### BLACK BINOPTIC tap - Matte black chrome finish

<table>
<thead>
<tr>
<th>Mains supply</th>
<th>378035</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery-operated</td>
<td>478035</td>
</tr>
</tbody>
</table>

**Option**: matching soap dispenser (see page 71)

---

**BASINS**

**Height 170mm**

**Height 250mm**

<table>
<thead>
<tr>
<th>Mains supply</th>
<th>388MCHLH</th>
<th>388MCHLH15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery-operated H. 170mm</td>
<td>488MCHLH</td>
<td>488MCHLH15</td>
</tr>
<tr>
<td>Battery-operated H. 250mm</td>
<td>498MCHLH</td>
<td>498MCHLH15</td>
</tr>
</tbody>
</table>

**BINOPTIC MIX mixer (Long handle) - Chrome-plated finish**

<table>
<thead>
<tr>
<th>Mains supply H. 170mm</th>
<th>388MCHLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery-operated H. 170mm</td>
<td>488MCHLH</td>
</tr>
<tr>
<td>Battery-operated H. 250mm</td>
<td>498MCHLH</td>
</tr>
</tbody>
</table>

**BINOPTIC tap - Chrome-plated finish**

<table>
<thead>
<tr>
<th>Mains supply H. 170mm</th>
<th>388015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery-operated H. 170mm</td>
<td>488015</td>
</tr>
<tr>
<td>Battery-operated H. 250mm</td>
<td>498015</td>
</tr>
</tbody>
</table>

**BLACK BINOPTIC MIX mixer (Long handle) - Matte black chrome finish**

<table>
<thead>
<tr>
<th>Mains supply H. 170mm</th>
<th>388MBCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery-operated H. 170mm</td>
<td>488MBCH</td>
</tr>
<tr>
<td>Battery-operated H. 250mm</td>
<td>498MBCH</td>
</tr>
</tbody>
</table>

**BLACK BINOPTIC tap - Matte black chrome finish**

<table>
<thead>
<tr>
<th>Mains supply H. 170mm</th>
<th>388035</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery-operated H. 170mm</td>
<td>488035</td>
</tr>
<tr>
<td>Battery-operated H. 250mm</td>
<td>498035</td>
</tr>
</tbody>
</table>

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** Basins 39 **
TEMPOMATIC 5 electronic basin tap 449006
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.

### TEMPOMATIC MIX 5 mixer

<table>
<thead>
<tr>
<th></th>
<th>F/⅛&quot; with stopcock</th>
<th>F/⅛&quot; without stopcock</th>
<th>Ø15mm for comp. fittings (UK/Ireland)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mains supply - recessed unit</td>
<td>499000</td>
<td>499100</td>
<td>49900015</td>
</tr>
<tr>
<td>Mains supply - plug-in</td>
<td>499001</td>
<td>499101</td>
<td>49900015</td>
</tr>
<tr>
<td>Battery-operated</td>
<td>499006</td>
<td>499106</td>
<td>49900015</td>
</tr>
</tbody>
</table>

### TEMPOMATIC 5 tap

<table>
<thead>
<tr>
<th></th>
<th>F/⅛&quot; with stopcock</th>
<th>F/⅛&quot; without stopcock</th>
<th>Ø15mm for comp. fittings (UK/Ireland)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mains supply - recessed unit</td>
<td>449000</td>
<td>449100</td>
<td>44900015</td>
</tr>
<tr>
<td>Mains supply - plug-in</td>
<td>449001</td>
<td>449101</td>
<td>-</td>
</tr>
<tr>
<td>Battery-operated</td>
<td>449006</td>
<td>449106</td>
<td>44900015</td>
</tr>
</tbody>
</table>

We recommend installing a TMV for taps (see page 143)
TEMPOMATIC MIX 2 electronic basin mixer 494000
TEMPOMATIC 2
Deck-mounted electronic basin tap

- 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 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.

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.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Mains supply</th>
<th>Battery-operated</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEMPOMATIC MIX PRO mixer</td>
<td>495253</td>
<td>495257</td>
</tr>
<tr>
<td>TEMPOMATIC PRO tap</td>
<td>449253</td>
<td>449257</td>
</tr>
</tbody>
</table>

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

TEMPOMATIC cross wall tap

<table>
<thead>
<tr>
<th>M ¼&quot;</th>
<th>Ø15mm for comp. fittings (UK/Ireland)</th>
</tr>
</thead>
<tbody>
<tr>
<td>441157</td>
<td>44115715</td>
</tr>
</tbody>
</table>

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.

COMPARISONS OF WATER CONSUMPTION
Comparison between a conventional mixer and a DELABIE time flow mixer

<table>
<thead>
<tr>
<th>Flow rate</th>
<th>Wetting</th>
<th>Soaping</th>
<th>Rinsing</th>
<th>Water consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.7L</td>
<td>5 sec.</td>
<td>20 sec.</td>
<td>7 sec.</td>
<td>4.8L</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>32 sec.</td>
</tr>
<tr>
<td>9L</td>
<td>7 sec.</td>
<td></td>
<td>7 sec.</td>
<td>0.7L</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>14 sec.</td>
</tr>
<tr>
<td>3L</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hygiene and controlling bacterial proliferation

Optimised time flow

Water savings per use

Conventional mixer 9 lpm
DELABIE mixer 3 lpm
0% 85%
4.8L 0.7L
32 sec. 14 sec.
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**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating pressure</td>
<td>1 - 5 bar, 3 bar recommended</td>
</tr>
<tr>
<td>Pressure differential</td>
<td>( \Delta P &lt; 1 \text{ bar} )</td>
</tr>
<tr>
<td>Temperature limiter*</td>
<td>Can be adjusted</td>
</tr>
<tr>
<td>HW supply</td>
<td>55°C max</td>
</tr>
<tr>
<td>Adjustable flow rate</td>
<td>1.4 - 6 lpm</td>
</tr>
<tr>
<td>Time flow</td>
<td>7 seconds</td>
</tr>
<tr>
<td>Soft technology</td>
<td>TEMPOSOFT, TEMPOMIX, TEMPOMIX 3</td>
</tr>
<tr>
<td>Anti-blocking system</td>
<td>TEMPOSTOP, TEMPOSTOP 2, TEMPOMIX 2, TEMPOMIX 3</td>
</tr>
<tr>
<td>Recommended installation height for wall-mounted mixers/taps</td>
<td>110 – 200 mm above base of bowl</td>
</tr>
</tbody>
</table>

* Depending on model

**30-year warranty** against any manufacturing defects.

**50 years repairability**

**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.**
BASINS

ADJUSTABLE MAXIMUM TEMPERATURE LIMITER
Anti-scalding safety

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

SOFT-TOUCH OPERATION SINGLE CONTROL MIXER
Improved comfort

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

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

Featured product: TEMPOMIX 3 AB time flow basin mixer (ref. 794000AB)
TEMPOMIX 3 deck-mounted time flow basin mixer 794000 - Rectangular glass mirror 34642 - 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
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 flexible 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.

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

<table>
<thead>
<tr>
<th>TEMPOMIX 3 deck-mounted mixer</th>
<th>P½&quot;</th>
<th>P½&quot; without stopcock</th>
<th>Ø15mm for comp. fittings (UK/Ireland)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soft-touch</td>
<td>794000</td>
<td>794100</td>
<td>79400015</td>
</tr>
<tr>
<td>Soft-touch and AB system</td>
<td>794000AB*</td>
<td>794100AB*</td>
<td>79400015AB*</td>
</tr>
<tr>
<td>Soft-touch DZR-LEAD FREE</td>
<td>-</td>
<td>794100AS</td>
<td>-</td>
</tr>
<tr>
<td>Option: comfort aerator (see page 68)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TEMPOMIX 3 wall-mounted mixer
With swivelling spout L. 150mm
With fixed spout L. 150mm
With fixed spout

Option: STOP/CHECK connectors (see page 68)
TEMPOMIX 3 time flow basin mixer 794012 + 794055 - MINERALCAST wash trough 454120 - Paper towel dispenser 510712S
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.

### NEW

TEMPO MIX 3 wall-mounted mixer

Wall-mounted (recessed water inlets) - ½”

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kit 1: Nanny joint for recessed water inlet</td>
<td>794012</td>
</tr>
<tr>
<td>Kit 2: Mixer L. 110mm without stopcocks</td>
<td>794050</td>
</tr>
<tr>
<td>Kit 1: Nanny joint for recessed water inlet</td>
<td>794012</td>
</tr>
<tr>
<td>Kit 2: Mixer L. 190mm without stopcocks</td>
<td>794055</td>
</tr>
</tbody>
</table>

Cross wall - PEX flexibles ⅜”

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>L. 110mm with stopcocks</td>
<td>794160</td>
</tr>
<tr>
<td>L. 190mm with stopcocks</td>
<td>794165</td>
</tr>
</tbody>
</table>

Option: comfort aerator (see page 68)
TEMPOMIX 3 time flow basin mixer 794BOX3 + 794250 - SPEEDJET 2 air pulse hand dryer 510624C
**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 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 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.

**TEMPOMIX 3 mixer recessed in waterproof housing**

<table>
<thead>
<tr>
<th>Spout L. 110mm</th>
<th>794BOX3 + 794200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spout L. 190mm</td>
<td>794BOX3 + 794250</td>
</tr>
</tbody>
</table>

Option: comfort aerator or BIOSAFE outlet (see page 68)
TEMPOMIX time flow basin mixer 795000 - DUPLO RP double washbasin 121390 - HIGHFLOW air pulse hand dryer 510622
**Time flow basin controls TEMPOMIX / DELABIE**

- **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.

### TEMPOMIX

**Wall-mounted or cross wall time flow basin mixer**

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

### TEMPOMIX wall-mounted mixer

- With fixed spout
- With swivelling spout
- Elbow union M½" - F¾"
- STOP union M½" - F¾"
- Reinforced wall plate Ø 80mm

### TEMPOMIX deck-mounted mixer

- TEMPOMIX deck-mounted
- TEMPOMIX deck-mounted - DZR/LEAD FREE

### TEMPOMIX cross wall mixer

- TEMPOMIX cross wall
- Back nut F½" with 3 screws (reinforcing clamp behind the wall)

### TEMPOMIX deck-mounted mixer

<table>
<thead>
<tr>
<th>F½&quot;</th>
<th>F¾&quot; without stopcock</th>
<th>Ø15mm for comp. fittings (UK/Ireland)</th>
</tr>
</thead>
<tbody>
<tr>
<td>795000</td>
<td>795100</td>
<td>79500015</td>
</tr>
</tbody>
</table>

**Option**: comfort aerator (see page 68)
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.

TEMPOSOFT 2
Time flow basin tap with soft-touch

- Chrome-plated solid brass body M½”.
- Supplied with blue and red markers.

TEMPOSOFT MIX 2 deck-mounted mixer

<table>
<thead>
<tr>
<th>Type</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>742500</td>
<td>For long lever, please add &quot;LH&quot; after the reference</td>
</tr>
</tbody>
</table>
TEMPOSTOP 2 time flow basin tap 702000 - CANAL wash trough 120300
TEMPOMIX 2 / TEMPOSTOP 2
Deck-mounted time flow basin tap/mixer

- 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.

We recommend installing a TMV for taps (see page 143)
**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 M½”.
- Available with AB anti-blocking system: water only flows when push-button is released.
- 30-year warranty.

**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 M½”.
- Chrome-plated metal lever
- Fixing with back-nut.
- Lever-operated (soft-touch operation).
- Suitable for people with reduced mobility.
- 30-year warranty.

---

**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 M½”.
- Chrome-plated metal lever
- Fixing with back-nut.
- Lever-operated (soft-touch operation).
- Suitable for people with reduced mobility.
- 30-year warranty.

---

**TEMPOSTOP tap**

<table>
<thead>
<tr>
<th>Fixing with back-nut</th>
<th>745100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixing with back-nut and AB system</td>
<td>745101</td>
</tr>
<tr>
<td>Fixing reinforced with 3 stainless steel screws</td>
<td>745300</td>
</tr>
<tr>
<td>Fixing reinforced with 3 stainless steel screws - DZR-LEAD FREE</td>
<td>745107AS</td>
</tr>
<tr>
<td>Fixing reinforced with back-nut with 3 stainless steel screws and AB system</td>
<td>745301</td>
</tr>
</tbody>
</table>

We recommend installing a TMV (see page 143)

---

**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)
**Time flow basin controls TEMPOSTOP / DELABIE**

- **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 M¾” or M½”.**
- **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

- **Wall-mounted lever-operated time flow tap**
  - **Time flow ~15 seconds. Suitable for wash tubs.**

**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**

<table>
<thead>
<tr>
<th>Size</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>M¾”</td>
<td>744000</td>
</tr>
<tr>
<td>M½” (DZR brass)</td>
<td>746000</td>
</tr>
<tr>
<td>M½” with wall plate</td>
<td>746292</td>
</tr>
<tr>
<td>M½” and AB system</td>
<td>746001</td>
</tr>
</tbody>
</table>

**Accessories**

- Wall plates for taps Ø 60mm (2 per pack) 742015.2P
- Backplate elbow M½” 841315
- Extension M½” L. 50mm Ø 26mm 822516
- Extension M½” L. 100mm Ø 24mm 822115

We recommend installing a TMV (see page 143)

---

**TEMPOSTOP tap**

<table>
<thead>
<tr>
<th>Tap Type</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wall-mounted lever-operated tap</td>
<td>746410</td>
</tr>
<tr>
<td>Wall-mounted with swivelling spout</td>
<td>748150</td>
</tr>
<tr>
<td>Cross wall and AB system</td>
<td>748110</td>
</tr>
<tr>
<td>Back-nut F½” with 3 stainless steel screws</td>
<td>826315</td>
</tr>
</tbody>
</table>

We recommend installing a TMV (see page 143)
Alternative cross wall lengths (up to 400mm) available on request
Time flow knee-operated tap TEMPOGENOU 734100 - Swivel swan neck spout 967152 - FACIL wall-mounted washbasin 121800 - Soap dispenser 510582
Hands-free controls TEMPOGENOU / MIXFOOT / MONOFOOT / DELABIE

- **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.

**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.

**TEMPOGENOU valve**
Straight for in-line inlet, M½" 735400
Straight for in-line inlet, Ø 15mm for compression fittings 73544715
Straight for in-line inlet, stud nut 735000
Angled for recessed inlet, M½" 734100

We recommend installing a TMV (see page 143)
Option: spouts (see page 67)

**MIXFOOT mixer**
Floor-mounted M½" 739100
Wall-mounted M½" 739102

**MONOFOOT valve**
Floor-mounted, stud nut Ø 14mm 736001
Floor-mounted M½" 736101
Wall-mounted M½" 736102

We recommend installing a TMV (see page 143) with the MONOFOOT valve
Option: spouts (see page 67)
DELABIE / Fittings for water fountains and hand washbasins

Swan neck tap
For water fountains

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

Push-button control
For swan neck taps and bubblers

• Instant shut-off.
• Adjustable flow rate.
• Chrome-plated brass body and stainless steel spout.
• Connector for Rilsan tube 4 x 6.
• 30-year warranty.

Bubbler
For water fountains

• Instant shut-off.
• Adjustable flow rate.
• Chrome-plated brass.
• M 1/4".
• 30-year warranty.

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 1/4".
• To be placed behind hand washbasin wall plate.
• 30-year warranty.

We recommend installing a TMV (see page 143)

Swan neck tap
For Rilsan tube 4 x 6
M 1/4"

Bubbler

TEMPOSTOP tap
With push-button
Without push-button

We recommend installing a TMV (see page 143)
**Fixed, cast spout**  
**Deck-mounted**

- Spout L. 140mm, H. 120mm, M½”.
- Reinforced fixing by 3 stainless steel screws.
- Chrome-plated brass.
- Scale-resistant flow straightener regulated at 3 lpm.
- 30-year warranty.

**Swivelling swan neck spout**  
**Deck-mounted**

- Swan neck spout M½”.
- Fixing by back-nut.
- Chrome-plated brass.
- Scale-resistant flow straightener regulated at 3 lpm.
- 30-year warranty.

**Tubular spout**  
**Deck-mounted**

- Tubular spout on base M½”.
- Chrome-plated brass.
- Spout with smooth interior (reduces bacterial development).
- Scale-resistant flow straightener.
- 30-year warranty.

---

**Cross wall fixed spout**

- Spout L. 75mm, M½”.
- 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.

**Fixed spout**

**Wall-mounted / Cross wall**

- Spout Ø 32mm, M½”.
- Chrome-plated brass.
- Scale-resistant flow straightener regulated at 3 lpm.
- 30-year warranty.

---

**Cross wall fixed spout**

For panels ≤ 30mm

- Back-nut with 3 screws

**Wall-mounted L-shaped universal spout**

- Tubular spout Ø 18mm, M½”.
- L. 120mm.
- Chrome-plated brass.
- Flow straightener.
- 30-year warranty.
**DELABIE / Additional fittings**

### Offset connector
**Standard**
- Offset standard connector 1mm.
- M½” - M¾”.
- Escutcheon Ø 64mm.
- L. 50mm.
- Chrome-plated brass.
- Supplied in packs of 2.
- 30-year warranty.

![Offset connector](image1.png)

### In-line connector
**With STOP/CHECK**
- Chrome-plated brass connector.
- M16” - M24”.
- Escutcheon Ø 65mm.
- STOP function: integrated stopcock.
- CHECK function: checks if non-return valves are waterlight where fitted to mixers (DELABIE patented).
- Supplied in packs of 2.
- 30-year warranty.

![In-line connector](image2.png)

### 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.*

![ECO flow straightener](image3.png)

### 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.

![ECO aerator](image4.png)

### Comfort aerator
**M16.5×100**
- Aerator with comfortable spray.
- M16.5×100.
- Supplied in packs of 2.

![Comfort aerator](image5.png)

### 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.

![BIOSAFE outlet](image6.png)
### Additional fittings / DELABIE

#### 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.

**PREMIX NANO**
- Nickel, FFM ¾”
  - 732012
- Polished, FFM ¾”
  - 732016
- Nickel, M½” Ø 15mm
  - 732115
- Nickel, F½” Ø 15mm
  - 732115MEC
- Polished, M½” 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.

**PREMIX COMPACT**
- M½”
  - 733015
- M¾”
  - 733020
- M½” Ø 15mm
  - 733115
- M¾” Ø 15mm
  - 733116

#### 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.

**Reinforced exposed union with cover**
- 841215

#### ON/OFF waste
With stainless steel valve

- Washbasin waste M1¼” 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.

**ON/OFF waste**
- Ø 1¼”
  - 581000

#### HYGIÉNA waste
With concave grid

- Hygienic washbasin waste, M1¼”.
- 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.

**HYGIÉNA waste**
- Ø 1¼”
  - 611

---

**Reinforced exposed union with cover**
- 841215

**ON/OFF waste**
- Ø 1¼”
  - 581000

**HYGIÉNA waste**
- Ø 1¼”
  - 611
DELABIE / Additional fittings

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.

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.

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

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

Cross wall liquid soap dispenser
729170

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.

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

Cross wall liquid soap dispenser
729170

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.

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

Cross wall liquid soap dispenser
729170

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NEW
**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.

**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 length: 110mm.
- CE marked.
- 30-year warranty.

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**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 length: 115mm.
- CE marked.
- 30-year warranty.
Showers

**Electronic Shower Panels**
- **Page 75**

**Time Flow Shower Panels**
- **Page 87**

**Electronic Controls**
- **Page 109**

**Time Flow Controls**
- **Page 113**

**Additional Fittings**
- **Page 136**

**Point-of-Use Filters**
- **Page 139**
SECURITHERM electronic shower panel 792410UK - Soap dish 710500
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.

COMPARISONS OF WATER CONSUMPTION
Comparison between a conventional shower and a DELABIE electronic panel

<table>
<thead>
<tr>
<th>Flow rate</th>
<th>Wetting</th>
<th>Soaping</th>
<th>Rinsing</th>
<th>Water consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conventional shower 15 lpm</td>
<td>1 min.</td>
<td>2 min.</td>
<td>1 min.</td>
<td>60L 4 min.</td>
</tr>
<tr>
<td>DELABIE panel 6 lpm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 lpm</td>
<td>1 min.</td>
<td></td>
<td>1 min.</td>
<td>12L 2 min.</td>
</tr>
</tbody>
</table>
**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 repairability.

**Technical characteristics**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating pressure</td>
<td>1 - 5 bar, 3 bar recommended</td>
</tr>
<tr>
<td>Pressure differential CW / HW</td>
<td>∆P &lt; 1 bar</td>
</tr>
<tr>
<td>Electrical supply*</td>
<td>230V / 50Hz class II (without earth connection)</td>
</tr>
<tr>
<td>6V Lithium battery*</td>
<td>223 CR-P2 standard battery Average lifespan ~350,000 cycles or 3 to 6 years</td>
</tr>
<tr>
<td>Duty flush programme</td>
<td>24hr after the last use</td>
</tr>
<tr>
<td>Automatic shut-off in event of negligence</td>
<td>Prevents blocking in the open position</td>
</tr>
<tr>
<td>Temperature limiter</td>
<td>Can be adjusted</td>
</tr>
<tr>
<td>HW supply</td>
<td>55°C</td>
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</tbody>
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* Depending on model

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* Depending on model
Featured product: SECURITHERM electronic shower panel (ref. 792410UK)

- **FLOW RATE REGULATED AT 6 LPM**
  - Water savings

- **COMFORT RAIN EFFECT**

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

- **ANODISED ALUMINIUM PANEL**
  - Easy to clean

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

- **LIGATURE-RESISTANT COLLAR**
  - Reducing the risk of harm

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

- **THERMAL SHOCKS**
  - System hygiene

- **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

- **TEMPERATURE CONTROL**
  - Improved comfort

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- **REINFORCED AND CONCEALED FIXINGS**
  - Vandal-resistant

- **TEMPERATURE CONTROL**
  - Improved comfort
DELABIE / Thermostatic electronic shower panels SECURITHERM

- 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.

SECURITHERM aluminium electronic shower panel

| Top inlet via in-line stopcocks M1/2" | 792400 |
| Top inlet via in-line stopcocks Ø 15mm for compression fittings | 79240015 |
| Concealed inlet via flexibles M1/2" | 792410 |
| Concealed inlet via flexibles M1/2" | 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)
Thermostatic electronic shower panels SECURITHERM / DELABIE

- **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.

SECURITHERM electronic shower panel

<table>
<thead>
<tr>
<th>Option</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top inlet via in-line stopcocks M½&quot;</td>
<td>792504</td>
</tr>
<tr>
<td>Concealed inlet via flexibles M½&quot;</td>
<td>792514</td>
</tr>
</tbody>
</table>

*We recommend installing a floor trap (see page 131)
*Option: extension for shower panel (see page 106)*
SPORTING 2 electronic shower panel 714806 - Floor trap 683001 - TEMPOMATIC MIX 4 electronic basin mixer 490006
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 ~4 cm).
• 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.
• M½" connection for mixed water supply.
• Suitable for people with reduced mobility.
• 30-year warranty.

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Sporting 2 electronic shower panel

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mains supply</td>
<td>T14800</td>
</tr>
<tr>
<td>Battery-operated</td>
<td>T14806</td>
</tr>
</tbody>
</table>

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 143)
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 repairability.

ANTI-LEGIONELLA SOLUTION: SIMPLE AND LOOKS GOOD

HOT WATER LOOP > 50°C

HOT WATER INLET

COLD WATER INLET

Thermostatic mixer
directly at the point of use

Water mixed in the
SPORTING 2 SECURITHERM head:
as close as possible
to the hot water loop

No mixed water circulation
inside the panel:
limits bacterial development

MIXED WATER OUTLET ~38°C
Thermostatic electronic shower panels  SPORTING 2 SECURITHERM / DELABIE

- 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.
- M½" 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.

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

**SPORTING 2 SECURITHERM**
With rain effect shower head

<table>
<thead>
<tr>
<th>Option</th>
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<tbody>
<tr>
<td>Mains supply - Top inlet</td>
<td>714900</td>
</tr>
<tr>
<td>Battery-operated - Top inlet</td>
<td>714906</td>
</tr>
<tr>
<td>* Kit 1: Nanny joint for recessed water inlet</td>
<td>714012</td>
</tr>
<tr>
<td>* Kit 2: Shower panel mains supply</td>
<td>+ 714910</td>
</tr>
<tr>
<td>* Kit 1: Nanny joint for recessed water inlet</td>
<td>714612</td>
</tr>
<tr>
<td>* Kit 2: Shower panel battery operated</td>
<td>+ 714916</td>
</tr>
</tbody>
</table>

We recommend installing a floor trap (see page 131)
Option: soap dish (see page 106)
**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-scaling 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 (Hostaf orm®). 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.
SHOWERS

CONCEALED FIXINGS
Vandal-resistant

REMOVABLE COVER
Easy access to technical elements

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

FLOW RATE PRE-SET AT 6 LPM
Water savings

RAIN EFFECT
Comfort shower head

TOP OR BACK INLETS
Easy to install

TEMPERATURE ADJUSTMENT SCREW
Temperature pre-set by the installer

THERMOSTATIC MIXER
Temperature stability
Anti-scalding failsafe
Prevents cold showers

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

STOPCOCKS CAN BE ACCESSED WITHOUT REMOVING THE PANEL
Easy to maintain

CONCEALED FIXINGS
Vandal-resistant

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

ON/OFF CONTROL WITHOUT MANUAL CONTACT
Guaranteed hygiene

STREAMLINED DESIGN
LIGATURE-RESISTANT
Reducing the risk of harm

Featured product: SPORTING 2 SECURITHERM battery-operated thermostatic electronic shower panel (ref. 714906)
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.

COMPARISONS OF WATER CONSUMPTION

Comparison between a conventional shower and a DELABIE time flow panel

<table>
<thead>
<tr>
<th>Flow rate</th>
<th>Wetting</th>
<th>Soaping</th>
<th>Rinsing</th>
<th>Water consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>15L</td>
<td>1 min.</td>
<td>2 min.</td>
<td>1 min.</td>
<td>60L 4 min.</td>
</tr>
<tr>
<td>6L</td>
<td>2 x 30 sec.</td>
<td>2 x 30 sec.</td>
<td>2 x 30 sec.</td>
<td>12L 2 min.</td>
</tr>
</tbody>
</table>

Water savings per use

Hygiene and controlling bacterial proliferation

Optimised time flow

Water savings
**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.

**Temperature limiter**

Can be adjusted

**Anti-scalding safety**

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.

**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.

**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.

**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**
  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.

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**Operating pressure**

1 - 5 bar, 3 bar recommended

**Pressure differential**

CW / HW

\[ \Delta P < 1 \text{ bar} \]

**Temperature limiter**

Can be adjusted

**HW supply**

55°C

**Time flow**

30 seconds
Featured product: SECURITHERM time flow shower panel (ref. 792310UK)

- **Flow rate regulated at 6 lpm**
- **Water savings**
- **Rain effect**
- **Comfort shower head**
- **Anodised aluminium panel**
- **Easy to clean**
- **Soft technology**
- **De-pressurising cartridge**
- **Time flow ~30 seconds**
- **Temperature control**
- **Improved comfort**
- **Securetherm technology**
- **Stable temperatures**
- **Maximum anti-scalding safety**
- **Prevents cold showers**
- **Ligature-resistant collar**
- **Reducing the risk of harm**
- **Streamlined design**
- **Ligature-resistant**
- **Reducing the risk of harm**
- **Reinforced and concealed fixings**
- **Vandal-resistant**
- **Soft-touch operation**
- **Improved comfort**
- **Thermal shocks**
- **System hygiene**
- **Improved comfort**
**DELABLE / Thermostatic time flow shower panels SECURITHERM**

- **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**.

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**SECURITHERM time flow shower panel**

<table>
<thead>
<tr>
<th>Top inlet via in-line stopcocks</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>With soap dish - M1/2&quot;</td>
<td>792305</td>
<td></td>
</tr>
<tr>
<td>Without soap dish - M1/2&quot;</td>
<td>792300</td>
<td></td>
</tr>
<tr>
<td>With integrated soap dish Ø 15mm for compression fittings *</td>
<td>79230015</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Concealed inlet via flexibles</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Without soap dish</td>
<td>792310</td>
<td></td>
</tr>
<tr>
<td>Without soap dish *</td>
<td>792310UK</td>
<td></td>
</tr>
</tbody>
</table>

* Single temperature limiter set at 41°C

We recommend installing a floor trap (see page 131)

Option: extension for shower panel (see page 106)
Dual control and time flow thermostatic shower panels **SECURITHERM / DELABIE**

- **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.
- M½" connections.
- Concealed fixings.
- Filters and non-return valves.
- Suitable for people with reduced mobility.
- 30-year warranty.

**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.

**SECURITHERM dual control time flow aluminium shower panel**

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top inlet via in-line stopcocks, M½&quot;</td>
<td>792320</td>
</tr>
<tr>
<td>Concealed inlet via flexibles</td>
<td>792330</td>
</tr>
</tbody>
</table>

*We recommend installing a floor trap (see page 131)*

**SECURITHERM dual control mechanical aluminium shower panel**

With 2 non-time flow valves

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top inlet via in-line stopcocks, M½&quot;</td>
<td>792390</td>
</tr>
<tr>
<td>Top inlet via in-line stopcocks, Ø 15mm for compression fittings</td>
<td>79239015</td>
</tr>
<tr>
<td>Concealed inlet via flexibles, M½&quot;</td>
<td>792380</td>
</tr>
</tbody>
</table>

* Single temperature limiter set at 41°C

*We recommend installing a floor trap (see page 131)*

**Option**: extension for shower panel (see page 106)
SECURITHERM / Thermostatic time flow shower panels

- 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.
- M1/2" connections.
- Concealed fixings.
- Filters and non-return valves.
- Stopcocks.
- Suitable for people with reduced mobility.
- 30-year warranty.

SECURITHERM time flow shower panel

<table>
<thead>
<tr>
<th>Option</th>
<th>Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top inlet via in-line stopcocks</td>
<td></td>
</tr>
<tr>
<td>With integrated soap dish, M1/2</td>
<td>792304</td>
</tr>
<tr>
<td>With integrated soap dish Ø 15mm for compression fittings</td>
<td>79230415</td>
</tr>
<tr>
<td>Without soap dish - M1/2</td>
<td>792303</td>
</tr>
<tr>
<td>Concealed inlet via flexibles</td>
<td></td>
</tr>
<tr>
<td>With integrated soap dish - M1/2</td>
<td>792314</td>
</tr>
<tr>
<td>Without soap dish - M1/2</td>
<td>792313</td>
</tr>
</tbody>
</table>

We recommend installing a floor trap (see page 131)
Option: extension for shower panel (see page 106)
Dual control and time flow thermostatic shower panels

SECURITHERM / DELABIE

- **Water savings**: 80%
- **Comfort**: temperature selection directly via the mixer, thermostatic control, rain effect
- **Anti-scalding fail-safe**: 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 fail-safe**: 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**.

**SECURITHERM dual control time flow shower panel**
Concealed inlet via flexibles

**SECURITHERM non-time flow dual control shower panel**
Top inlet via in-line stopcocks

*We recommend installing a floor trap (see page 131)*
*Option: extension for shower panel (see page 106)*
Sequential thermostatic shower panels SECURITHERM / DELABIE

- **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.
- M½” connections.
- Concealed fixings.
- Filters.
- Suitable for people with reduced mobility.
- 30-year warranty.

Sequential open and closing

SECURITHERM sequential shower panel with fixed shower head

<table>
<thead>
<tr>
<th>Inlet Type</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top inlet via in-line stopcocks M½”</td>
<td>H9639</td>
</tr>
<tr>
<td>Top inlet via in-line stopcocks Ø 15mm for compression fittings and copper tubes</td>
<td>H963915</td>
</tr>
<tr>
<td>Concealed inlet via flexibles M½”</td>
<td>H9634</td>
</tr>
</tbody>
</table>

SECURITHERM sequential shower panel with sliding handset

<table>
<thead>
<tr>
<th>Inlet Type</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top inlet via in-line stopcocks M½”</td>
<td>H9636</td>
</tr>
<tr>
<td>Top inlet via in-line stopcocks Ø 15mm for compression fittings and copper tubes</td>
<td>H963615</td>
</tr>
<tr>
<td>Concealed inlet via flexibles M½”</td>
<td>H9635</td>
</tr>
</tbody>
</table>

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

- 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 time flow shower panel with fixed shower head
Top inlet via in-line stopcocks
With soap dish, M½”  790305
With soap dish, Ø 15mm for compression fittings  79030515
Without soap dish, M½”  790300
Without soap dish, Ø 15mm for compression fittings  79030015
Concealed inlet via flexibles M½”
Without soap dish  790310

TEMPOMIX time flow shower panel with sliding handset
Top inlet via in-line stopcocks
Without soap dish, M½”  790350
Top inlet via in-line stopcocks Ø 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)
**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.
- M½" connections.
- Concealed fixings.
- Filters and non-return valves.
- Stopcocks.
- Suitable for people with reduced mobility.
- 30-year warranty.

**TEMPOMIX time flow shower panel with fixed shower head**

Top inlet via in-line stopcocks

Concealed inlet via flexibles

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

Option: extension for shower panel (see page 106)
TEMPOSOFT aluminium
Time flow shower panel with fixed shower head

- Anodised aluminium shower panel for wall-mounted, exposed installation.
- TEMPOSOFT 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.
- M½" connection for mixed water supply.
- Concealed fixings.
- Filter.
- Suitable for people with reduced mobility.
- 30-year warranty.

TEMPOSOFT 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 M½".
- TEMPOSOFT 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.

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 fixed shower head

- Anodised aluminium shower panel for wall-mounted, exposed installation.
- Top inlet via in-line stopcocks M1/2" or Ø 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.

Mechanical shower panel with fixed shower head

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1/2&quot;</td>
<td>791300</td>
</tr>
<tr>
<td>Ø 15mm for compression fittings</td>
<td>79130015</td>
</tr>
</tbody>
</table>

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.
- M1/2" connections.
- Concealed fixings.
- Filters.
- Suitable for people with reduced mobility.
- 30-year warranty.

Mechanical shower panel with sliding handset

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top inlet via in-line stopcocks</td>
<td>791350</td>
</tr>
<tr>
<td>Concealed inlet via flexibles</td>
<td>791360</td>
</tr>
</tbody>
</table>

We recommend installing a TMV (see page 143) and a floor trap (see page 131)
Option: extension for shower panel (see page 106)
SPORTING 2 time flow shower panel 714700 - Soap dish 710500 - Floor trap 683001
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.
- M½" connection for mixed water supply.
- Suitable for people with reduced mobility.
- 30-year warranty.

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)
**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 repairability.**

---

**ANTI-LEGIONELLA SOLUTION: SIMPLE AND LOOKS GOOD**

**HOT WATER LOOP > 50°C**

- HOT WATER INLET
- COLD WATER INLET
- Thermo¬static mixer directly at the point of use
- Water mixed in the SPORTING 2 SECURITHERM head: as close as possible to the hot water loop
- MIXED WATER OUTLET ~38°C

- No mixed water circulation inside the panel: limits bacterial development
Thermostatic time flow shower panels  SPORTING 2 / DELABIE

**SPORTING 2 SECURITHERM**
Thermostatic time flow shower panel

- 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.
- M½" 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.

---

**Provisional availability 2nd half 2025.**
Please contact the sales office to check availability.

**SPORTING 2 SECURITHERM time flow shower panel**

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top inlet</td>
<td>714732</td>
</tr>
<tr>
<td>Top inlet and AB system</td>
<td>714732AB</td>
</tr>
<tr>
<td>Kit 1: Nanny joint for recessed water inlet</td>
<td>714612</td>
</tr>
<tr>
<td>Kit 2: Shower panel</td>
<td>+ 714735</td>
</tr>
<tr>
<td>Kit 1: Nanny joint for recessed water inlet</td>
<td>714612</td>
</tr>
<tr>
<td>Kit 2: Shower panel with AB anti-blocking system</td>
<td>+ 714735AB</td>
</tr>
</tbody>
</table>

We recommend installing a floor trap (see page 131).
Option: soap dish (see pages 106 and 141)
OUTDOOR
Time flow shower column

- Anodised aluminium shower column ready to fit.
- Bottom inlet via in-line stopcock F ¾".
- 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.

NEW

OUTDOOR time flow shower column

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 shower</td>
<td>717510</td>
</tr>
<tr>
<td>1 shower and 1 foot-rinse</td>
<td>717511</td>
</tr>
<tr>
<td>2 showers</td>
<td>717520</td>
</tr>
<tr>
<td>2 showers and 1 foot-rinse</td>
<td>717521</td>
</tr>
<tr>
<td>4 showers</td>
<td>717540</td>
</tr>
</tbody>
</table>

We recommend installing a TMV (see page 143)
DELABIE / Additional fittings

**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.

**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.

**Soap dish**
Wall-mounted

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

**Rapid push-fit STOP connector**
For shower panels

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

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**Aluminium extension** 790152

**Stainless steel extension** 790153

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

**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.

**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 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 86mm with extension.
- 30-year warranty.

---

**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.

**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 fail safe.
- Filters and non-return valves.
- Thermal shocks are possible.
- Supplies one shower.
- 30-year warranty.

**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.
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.
TEMPOMATIC
Recessed electronic shower kit

- **TEMPOMATIC electronic valve** for mixed water supply.
- Recessed installation.
- Power supply by electronic control unit with solenoid valve ½".
- 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.

**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

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**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)
TEMPOMATIC
Cross wall electronic shower kit

- **TEMPOMATIC electronic valve** for mixed water supply.
- **For walls ≤ 155mm.**
- **Power supply** by electronic control unit with solenoid valve ¼”.
- **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.
- Wall plate flush to the wall.
- Threaded rods can be cut to size.
- Suitable for people with reduced mobility.
- 30-year warranty.

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**TEMPOMATIC cross wall shower**

<table>
<thead>
<tr>
<th>Kit with shower head (flow rate 6 lpm)</th>
<th>452159</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valve without shower head (flow rate 20 lpm)</td>
<td>452150</td>
</tr>
</tbody>
</table>

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.

COMPARISONS OF WATER CONSUMPTION

Comparison between a conventional shower and a DELABIE time flow shower

<table>
<thead>
<tr>
<th>Flow rate</th>
<th>Wetting</th>
<th>Soaping</th>
<th>Rinsing</th>
<th>Water consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>15L</td>
<td>1 min.</td>
<td>2 min.</td>
<td>1 min.</td>
<td>60L 4 min.</td>
</tr>
<tr>
<td>6L</td>
<td>2 x 30 sec.</td>
<td>2 x 30 sec.</td>
<td>2 x 30 sec.</td>
<td>12L 2 min.</td>
</tr>
</tbody>
</table>
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-scaling 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

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating pressure</td>
<td>1 - 5 bar, 3 bar recommended</td>
</tr>
<tr>
<td>Pressure differential</td>
<td>ΔP &lt; 1 bar</td>
</tr>
<tr>
<td>Temperature limiter</td>
<td>Can be adjusted</td>
</tr>
<tr>
<td>HW supply</td>
<td>55°C max</td>
</tr>
<tr>
<td>Time flow</td>
<td>30 seconds</td>
</tr>
</tbody>
</table>
Time flow shower controls TEMPOMIX 3 / DELABIE

- 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 x 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 + 794219 |

We recommend installing a floor trap (see page 131)
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

**Waves Effect**
Comfort shower head

**Flow Rate Regulated at 6 LPM**
Water savings

**Rain Effect**
Comfort shower head

**Fins can be Adjusted According to Installation Type**
Easy to install

**Notches to Clip and Fix Collar Onto** (patented)
Easy to install

**Waterproof Hydraulic Connection**
Standard pipe or “pipe-in-pipe”

**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

**Featured Product:** TEMPOMIX 3 recessed shower kit in waterproof housing (ref. 794BOX1 + 794219)
TEMPOMIX 3 time flow shower kit 794450 - Floor trap 682001 - Double coat hook 4042P
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 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.
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 ¾”.
- 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 8 lpm at 3 bar, comfort rain effect.
- Chrome-plated, tamperproof, ROUND shower head.
- Concealed fixings, stopcocks M½”.
- Integrated filters and non-return valves.
- Chrome-plated Bayblend® control knob.
- Suitable for people with reduced mobility.
- 30-year warranty.

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)
TEMPOMIX
Time flow shower kit in a waterproof housing

- Tamperproof bright polished stainless steel control plate 160 x 220mm.
- Waterproof recessing housing.
- 10 - 30mm allowance for different wall finishes.
- TEMPOMIX single control mixer ¾".
- 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 M½”.
- Integrated filters and non-return valves.
- Chrome-plated metal push-button.
- 30-year warranty.

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 ¾".
- 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.
- M½” connections for copper tubes.
- Integrated filters and non-return valves.
- Chrome-plated metal push-button.
- 30-year warranty.

TEMPOMIX shower recessed in waterproof housing

- Kit with shower head: 790BOX + 790219
- Mixer without shower head (flow rate 12 lpm): 790BOX + 790218

TEMPOMIX shower recessed in standard housing

- Kit with shower head (flow rate - 6 lpm): 790090
  - With wall plate Ø 195mm and ROUND shower head 790099
  - With stainless steel wall plate 160 x 160mm 790070
- Mixer without shower head (flow rate - 12 lpm adjustable):
  - With wall plate Ø 195mm 790927
  - With stainless steel wall plate 160 x 160mm 790427

We recommend installing a floor trap (see page 131)
**DELABIE / Time flow shower controls TEMPOMIX**

- 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 ¾” 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.

**TEMPOMIX Exposed time flow shower mixer**

- TEMPOMIX ¾” 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.

**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 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)
**TEMPOSOFT 2**

**Recessed time flow shower kit**

- **TEMPOSOFT 2 M½" 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 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).*

**Exposed time flow shower kit**

- **TEMPOSOFT 2 M½" 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 Ø 16mm and collar (mounting bracket and screws supplied).
- Suitable for people with reduced mobility.
- 30-year warranty.

---

**TEMPOSOFT 2 exposed shower kit**

<table>
<thead>
<tr>
<th>TEMPOSOFT 2 exposed shower kit</th>
<th>747801</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-line stopcock MF½&quot; (see page 136)</td>
<td>825215</td>
</tr>
<tr>
<td>Elbow stopcock MF½&quot; (see page 136)</td>
<td>836015</td>
</tr>
</tbody>
</table>

We recommend installing a TMV (see page 143) and a floor trap (see page 131).
TEMPOSOFT 2

Time flow valve for panels

• TEMPOSOFT 2 M½" 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).

TEMPOSOFT 2

Recessed time flow valve

• TEMPOSOFT 2 M½" 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).

TEMPOSOFT 2

Exposed time flow valve

• TEMPOSOFT 2 M½" 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.

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).

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 F½” time flow valve** for mixed water supply.
- For recessed installation.
- Stainless steel wall plate Ø 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).

---

**TEMPOSTOP**

**Recessed time flow valve**

- **TEMPOSTOP F½” time flow valve** for mixed water supply.
- For recessed installation.
- Satin finish stainless steel control plate 160 × 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).

---

**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 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)
**DELABIE / Time flow shower controls TEMPOSTOP**

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

---

**TEMPOSTOP**
Time flow valve for panels

- TEMPOSTOP M½" 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.

**TEMPOSTOP**
Cross wall time flow shower kit

- TEMPOSTOP M½" 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.

**TEMPOSTOP cross wall shower kit**

<table>
<thead>
<tr>
<th>Option</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>For walls ≤ 200mm, AB system, ~15 seconds</td>
<td>747110</td>
</tr>
<tr>
<td>For walls ≤ 200mm, ~30 seconds</td>
<td>749110</td>
</tr>
<tr>
<td>Back-nut with 3 screws (reinforced clamp behind wall)</td>
<td>826315</td>
</tr>
</tbody>
</table>

We recommend installing a TMV (see page 143) and a floor trap (see page 131)
TEMPOSTOP
Exposed time flow valve M½"

- TEMPOSTOP M½" time flow valve for in-line mixed water supply.
- For wall-mounted, exposed installation.
- Time flow ~15 seconds.
- Flow rate 12 or 75 lpm at 3 bar, can be adjusted.
- Chrome-plated brass body and push-button.
- 30-year warranty.

TEMPOSTOP
Exposed time flow valve M¾"

- TEMPOSTOP M¾" time flow valve for in-line 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.

TEMPOSTOP
Chain-pull time flow shower kit

- TEMPOSTOP M½" 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.

TEMPOSTOP exposed valve
12 lpm with flow rate adjustment 747000
75 lpm without flow rate adjustment. Recommended for low pressure environments 749000
Reinforced wall plate Ø 80mm. Recommended for installing on panels or dry walls 824800

TEMPOSTOP exposed valve M½"
Straight for in-line inlets, M½" (~15 seconds) 747000
Straight for in-line inlets, M½" Ø 15mm for compression fittings (~30 seconds) 749721
Angled for recessed inlets, M½" (~15 seconds) 748000

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

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).
Option: shower heads (see page 134).
Floor traps / DELABIE

- 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.

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 for tiled or concrete floors

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>150 x 150mm, adjustable height up to 70mm, outlet Ø 40mm</td>
<td>683001</td>
<td></td>
</tr>
<tr>
<td>150 x 150mm, adjustable height up to 70mm, horizontal outlet Ø 43mm</td>
<td>683001UK</td>
<td></td>
</tr>
<tr>
<td>100 x 100mm, adjustable height up to 80mm, outlet Ø 40mm</td>
<td>682001</td>
<td></td>
</tr>
<tr>
<td>100 x 100mm, adjustable height up to 80mm, horizontal outlet Ø 43mm</td>
<td>682001UK</td>
<td></td>
</tr>
</tbody>
</table>

Floor trap for soft or vinyl floors

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 114mm, adjustable height up to 85mm, outlet Ø 40mm</td>
<td>683002</td>
<td></td>
</tr>
<tr>
<td>Ø 114mm, adjustable height up to 85mm</td>
<td>683002UK</td>
<td></td>
</tr>
</tbody>
</table>

Floor trap 140 x 140mm | 684000
● 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 M½".
- Available for wall or ceiling-mounted installation.
- 30-year warranty.

<table>
<thead>
<tr>
<th>RAINY wide shower head</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Shower head</td>
<td>708040</td>
</tr>
<tr>
<td>Horizontal shower arm ½&quot;</td>
<td>710040</td>
</tr>
<tr>
<td>Vertical shower arm ¾&quot;</td>
<td>710050</td>
</tr>
</tbody>
</table>
Rain effect shower heads RAINY / DELABIE

- **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 M½".
- Recessed version is available, for panels, ceiling-mounted or cross wall (cut-to-size threaded rod).
- 30-year warranty.

### RAINY shower head

<table>
<thead>
<tr>
<th>Type</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>For recessed water inlet</td>
<td>708000</td>
</tr>
<tr>
<td>For panels ≤ 15mm</td>
<td>708010</td>
</tr>
<tr>
<td>Ceiling-mounted</td>
<td>708030</td>
</tr>
<tr>
<td>For partitions ≤ 230mm</td>
<td>708200</td>
</tr>
</tbody>
</table>
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 M½”.
- Available for recessed, panels, columns or cross wall versions (threaded rods can be cut to size).
- 30-year warranty.

**TONIC JET**

Rain effect shower head

- Ceiling-mounted shower head. Inlet F½”.

**GYM**

Rain effect shower head

- 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 shower head**

- For recessed inlets: 709000
- For panels ≤ 15mm: 709010
- For walls ≤ 230mm: 709200

Other cross wall lengths are available on request.

**TONIC JET shower head**

- For recessed inlets: 712000
- For panels ≤ 10mm: 712010
- For column set F¼” and collar: 712020

**GYM shower head**

- 716000

Other cross wall lengths are available on request.
**GYM COMFORT**
Shower head

- Adjustable shower head.
- Scale-resistant.
- 30 lpm at 3 bar without flow rate limiter.
- 30-year warranty.

<table>
<thead>
<tr>
<th>GYM COMFORT shower head</th>
<th>Ceiling-mounted shower head</th>
</tr>
</thead>
<tbody>
<tr>
<td>F½&quot;, Ø 45mm</td>
<td>Ceiling-mounted and tamperproof shower head.</td>
</tr>
<tr>
<td>EXTRA F½&quot;, Ø 68mm</td>
<td>30-year warranty.</td>
</tr>
<tr>
<td>Chrome-plated brass shower arm, MM½&quot;</td>
<td></td>
</tr>
<tr>
<td>L 95mm</td>
<td></td>
</tr>
</tbody>
</table>

Flow rate limiters, FM½"

- 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.
**Comfort nozzle**
Rain effect

- Rain effect comfort nozzle.
- 30-year warranty.

**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.

**In-line STOP union**
With stopcock

- Integrated stopcock.
- Nickel-plated brass.
- MF½”
- 30-year warranty.

---

**Elbow union**
With or without stopcock

- With or without integrated stopcock.
- With retractable nut.
- Chrome-plated brass.
- 30-year warranty.

**In-line or offset connector**
With STOP/CHECK

- Chrome-plated brass connector.
- MF½” - M¾”.
- 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.

**Offset connector**
Standard

- Offset standard connector 11mm.
- MF½” - M¾”.
- Escutcheon Ø 64mm.
- L. 50mm.
- Chrome-plated brass.
- Supplied in packs of 2.
- 30-year warranty.

---

**Elbow union STOP union with stopcock**

<table>
<thead>
<tr>
<th>Material</th>
<th>Length</th>
<th>Diameter</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>MF½” L. 30mm, H. 30mm</td>
<td></td>
<td></td>
<td>836015</td>
</tr>
<tr>
<td>MF½” - F¾”, L. 30mm, H. 30mm ±2mm</td>
<td></td>
<td></td>
<td>836020</td>
</tr>
<tr>
<td>MF½” L. 20mm, H. 30mm</td>
<td></td>
<td></td>
<td>836215</td>
</tr>
</tbody>
</table>

**Elbow union without stopcock L. 30mm**

<table>
<thead>
<tr>
<th>Material</th>
<th>Length</th>
<th>Diameter</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>MF½” L. 27mm</td>
<td></td>
<td></td>
<td>838015</td>
</tr>
<tr>
<td>MF½” - F¾”, L. 29mm</td>
<td></td>
<td></td>
<td>838020</td>
</tr>
<tr>
<td>FF¾”, L. 20mm with rivet nuts (2 per pack)</td>
<td></td>
<td></td>
<td>874220.2P</td>
</tr>
</tbody>
</table>

**Wall connector with STOP/CHECK**

<table>
<thead>
<tr>
<th>Material</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Offset 12mm</td>
<td>855755.2P</td>
</tr>
<tr>
<td>In-line for cross wall installation</td>
<td>855755UK.2P</td>
</tr>
</tbody>
</table>

**Offset standard connectors**

<table>
<thead>
<tr>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>856794.2P</td>
</tr>
</tbody>
</table>
**Soap dish**

Wall-mounted

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

**Wall-mounted elbow outlet**

For flexible shower hoses

- Wall-mounted elbow outlet for flexible shower hoses.
- Solid brass.
- MM½”.
- 30-year warranty.

---

**Wall-mounted soap dish**

<table>
<thead>
<tr>
<th>Finish</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matte</td>
<td>710500</td>
</tr>
<tr>
<td>Bright</td>
<td>710501</td>
</tr>
</tbody>
</table>

**Wall-mounted elbow outlet**

<table>
<thead>
<tr>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>868121</td>
</tr>
</tbody>
</table>

---

**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 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.

---

**PREMIX NANO**

<table>
<thead>
<tr>
<th>Material</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel, FFM½&quot;</td>
<td>732012</td>
</tr>
<tr>
<td>Polished, FFM½&quot;</td>
<td>732016</td>
</tr>
<tr>
<td>Nickel, M½&quot; Ø 15mm</td>
<td>732115</td>
</tr>
<tr>
<td>Nickel, F¾&quot; Ø 15mm</td>
<td>732115MEC</td>
</tr>
<tr>
<td>Polished, M¾&quot; Ø 15mm</td>
<td>732116</td>
</tr>
</tbody>
</table>

**PREMIX COMPACT**

<table>
<thead>
<tr>
<th>Material</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>M½&quot;</td>
<td>733015</td>
</tr>
<tr>
<td>M¾&quot;</td>
<td>733020</td>
</tr>
<tr>
<td>M½&quot; Ø 15mm</td>
<td>733115</td>
</tr>
<tr>
<td>M¾&quot; Ø 15mm</td>
<td>733116</td>
</tr>
</tbody>
</table>
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 Ia 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.

- CE marked class I Medical Devices for non-sterile filters
- CE marked class Ia Medical Devices for sterile filters
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).
BOFIL 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: 106g; filter filled with water: 186g.
  - 3 and 4-month versions: empty filter: 153g; filled with water 253g.

*Average flow rate during the product lifespan.

BOFIL 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.

Additional fittings

Push-fit connector
• Simple to connect to the point-of-use requiring treatment, no tools required.
• Standard or vandal-resistant versions available.

Push-fit connector for tap filter

<table>
<thead>
<tr>
<th>Tap / wall shower filter</th>
<th>Sterile</th>
<th>Non-sterile</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-month, shower spray</td>
<td>20250</td>
<td>30250</td>
</tr>
<tr>
<td>2-month, laminar flow</td>
<td>20251</td>
<td>30251</td>
</tr>
<tr>
<td>3-month, shower spray</td>
<td>20350</td>
<td>30350</td>
</tr>
<tr>
<td>3-month, laminar flow</td>
<td>20351</td>
<td>30351</td>
</tr>
<tr>
<td>4-month, shower spray</td>
<td>20450</td>
<td>30450</td>
</tr>
<tr>
<td>4-month, laminar flow</td>
<td>20451</td>
<td>30451</td>
</tr>
</tbody>
</table>

*Reference applies to a single unit. Can only be ordered in multiples of 10 (packaged in boxes of 10).

Push-fit connector for wall shower filters

| M24x100                   | 820124N |
| M24x100, vandal-resistant | 821124  |
| F22/100                   | 820122N |
| F22/100, vandal-resistant | 821122  |
| M16x100                   | 820123  |
| M16x100, vandal-resistant | 821123  |
| M16.5x100                 | 820126N |

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

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.

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.

• 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.

Development of Legionella per temperature

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Development of Legionella</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 20°C</td>
<td>Dormant</td>
</tr>
<tr>
<td>25-45°C</td>
<td>Multiples</td>
</tr>
<tr>
<td>50°C</td>
<td>90% die within 2 hours</td>
</tr>
<tr>
<td>60°C</td>
<td>90% die within 2 minutes</td>
</tr>
</tbody>
</table>

Source: CSTC Belgium November 2002
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 3°rd degree burns in 100 seconds.
- At 60°C: 3°rd 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

<table>
<thead>
<tr>
<th>Alert level</th>
<th>Remedial action level</th>
<th>Curative action level</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 100 CFU/L</td>
<td>&gt; 100 up to 1,000 CFU/L</td>
<td>&gt; 1,000 CFU/L</td>
</tr>
</tbody>
</table>

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).

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.
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<td>&gt; 100 up to 1,000 CFU/L</td>
<td>&gt; 1,000 CFU/L</td>
</tr>
</tbody>
</table>

CFU/L: Colony Forming Units per litre

Capacity and length of pipework

<table>
<thead>
<tr>
<th>Material</th>
<th>Pipe dimension</th>
<th>Pipe length for a capacity of 3 litres</th>
<th>Pipe length for a capacity of 1 litre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper</td>
<td>15 × 1</td>
<td>22m</td>
<td>7m</td>
</tr>
<tr>
<td></td>
<td>18 × 1</td>
<td>15m</td>
<td>5m</td>
</tr>
<tr>
<td></td>
<td>22 × 1</td>
<td>9m</td>
<td>3m</td>
</tr>
<tr>
<td>Galvanised steel</td>
<td>DN 15</td>
<td>15m</td>
<td>5m</td>
</tr>
<tr>
<td></td>
<td>DN 20</td>
<td>8m</td>
<td>2m</td>
</tr>
<tr>
<td>PEX/PER plastic</td>
<td>18 × 2.5</td>
<td>22m</td>
<td>7m</td>
</tr>
<tr>
<td></td>
<td>20 × 1.9</td>
<td>14m</td>
<td>4m</td>
</tr>
<tr>
<td>PR plastic</td>
<td>25 × 1.9</td>
<td>8m</td>
<td>2m</td>
</tr>
</tbody>
</table>

HWS REGULATIONS PREMIX COMFORT PREMIX SECURITY PREMIX COMPACT
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.

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.

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-scaling 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 repairability.
Featured product: PREMIX-COMFORT thermostatic mixing valve (ref. 731003)
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.

<table>
<thead>
<tr>
<th>Number of taps and valves to be connected</th>
<th>Simultaneity coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>High simultaneity frequency</td>
</tr>
<tr>
<td>Sports stadia, schools, boarding schools, camp sites, etc.</td>
<td></td>
</tr>
<tr>
<td>1 - 5</td>
<td>1</td>
</tr>
<tr>
<td>5 - 10</td>
<td>1</td>
</tr>
<tr>
<td>10 - 15</td>
<td>0.6</td>
</tr>
<tr>
<td>15 - 25</td>
<td>0.5</td>
</tr>
<tr>
<td>25 - 40</td>
<td>0.4</td>
</tr>
<tr>
<td>40 - 60</td>
<td>0.3</td>
</tr>
<tr>
<td>More than 60</td>
<td>0.2</td>
</tr>
</tbody>
</table>

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).

<table>
<thead>
<tr>
<th>Flow rate</th>
<th>Number of fittings</th>
<th>Total gross flow rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>DELABIE time flow basins</td>
<td>3 lpm</td>
<td>x ...</td>
</tr>
<tr>
<td>DELABIE time flow showers</td>
<td>6 lpm</td>
<td>x ...</td>
</tr>
<tr>
<td>Basin, sink, shower, bidet</td>
<td>12 lpm</td>
<td>x ...</td>
</tr>
<tr>
<td>Bath</td>
<td>20 lpm</td>
<td>x ...</td>
</tr>
</tbody>
</table>

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.
DELABIE / Group thermostatic mixing valves  
PREMIX SECURITY

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 ≥ 50°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 scaling.
- The HSE guidance HSG 274 Part 2 (2014) restricts the maximum temperature at the hot water outlet to < 41°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

<table>
<thead>
<tr>
<th>PREMIX</th>
<th>Flow rate at 3 bar pressure loss</th>
<th>Recommended operating range</th>
<th>High simultaneous use</th>
<th>Normal simultaneous use</th>
</tr>
</thead>
<tbody>
<tr>
<td>¼&quot;</td>
<td>55 lpm</td>
<td>10 - 45</td>
<td>Number of taps and valves: Up to 6</td>
<td>Number of taps and valves: Up to 6</td>
</tr>
<tr>
<td>½&quot;</td>
<td>90 lpm</td>
<td>20 - 70</td>
<td>Simultaneity coefficient: 1</td>
<td>Simultaneity coefficient: 1</td>
</tr>
<tr>
<td>¾&quot;</td>
<td>140 lpm</td>
<td>30 - 110</td>
<td>Up to 25</td>
<td>0.5 - 0.7</td>
</tr>
<tr>
<td>1½&quot;</td>
<td>190 lpm</td>
<td>40 - 150</td>
<td>Up to 40</td>
<td>0.4 - 0.6</td>
</tr>
</tbody>
</table>

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).
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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Dimensions</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>PREMIX SECURITY 95, M¾&quot;</td>
<td>120 60 18</td>
<td>731052</td>
</tr>
<tr>
<td>PREMIX SECURITY 90, M1&quot;</td>
<td>160 80 23</td>
<td>731053</td>
</tr>
<tr>
<td>PREMIX SECURITY 140, M1½&quot;</td>
<td>180 90 26</td>
<td>731054</td>
</tr>
<tr>
<td>PREMIX SECURITY 190, M1½&quot;</td>
<td>196 98 26</td>
<td>731055</td>
</tr>
</tbody>
</table>
**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**

<table>
<thead>
<tr>
<th>PREMIX</th>
<th>Flow rate at 3 bar pressure loss</th>
<th>Recommended operating range</th>
<th>Number of taps and valves</th>
<th>Simultaneity coefficient</th>
<th>Number of taps and valves</th>
<th>Simultaneity coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>¼&quot;</td>
<td>55 lpm</td>
<td>10 - 45</td>
<td>Up to 6</td>
<td>1</td>
<td>Up to 6</td>
<td>1</td>
</tr>
<tr>
<td>½&quot;</td>
<td>90 lpm</td>
<td>20 - 70</td>
<td>Up to 12</td>
<td>1</td>
<td>Up to 16</td>
<td>0.3</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>140 lpm</td>
<td>30 - 110</td>
<td>Up to 25</td>
<td>0.5 - 0.7</td>
<td>Up to 50</td>
<td>0.15</td>
</tr>
<tr>
<td>1&quot;</td>
<td>190 lpm</td>
<td>40 - 150</td>
<td>Up to 40</td>
<td>0.4 - 0.6</td>
<td>Up to 100</td>
<td>0.1</td>
</tr>
</tbody>
</table>

**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).
Group thermostatic mixing valves PREMIX COMFORT / DELABIE

- **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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Dimensions</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>PREMIX COMFORT 55, M¾&quot;</td>
<td>120 60 18</td>
<td>731002</td>
</tr>
<tr>
<td>PREMIX COMFORT 60, M½&quot;</td>
<td>160 80 23</td>
<td>731003</td>
</tr>
<tr>
<td>PREMIX COMFORT 140, M1¼&quot;</td>
<td>180 90 26</td>
<td>731004</td>
</tr>
<tr>
<td>PREMIX COMFORT 190, M1½&quot;</td>
<td>195 98 26</td>
<td>731005</td>
</tr>
<tr>
<td>PREMIX COMFORT T2, M¾&quot;</td>
<td>120 81 18</td>
<td>731200</td>
</tr>
<tr>
<td>PREMIX COMFORT T3, M1&quot;</td>
<td>146 95 23</td>
<td>731300</td>
</tr>
<tr>
<td>PREMIX COMFORT T4, M1¼&quot;</td>
<td>180 107 26</td>
<td>731400</td>
</tr>
<tr>
<td>PREMIX COMFORT T5, M1½&quot;</td>
<td>218 129 26</td>
<td>731500</td>
</tr>
</tbody>
</table>
**DELABIE / Thermostatic mixing valves** PREMIX COMFORT, COMPACT and NANO

**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**
---|---|---
PREMIX COMFORT 55, M¾" | W 120 H 60 D 18 | 731002
PREMIX COMFORT 90, M1" | W 160 H 80 D 23 | 731003
PREMIX COMFORT 140, M1¼" | W 180 H 90 D 26 | 731004
PREMIX COMFORT 190, M1½" | W 195 H 98 D 26 | 731005

---

* Maximum temperature limiter is overridden.
Thermostatic mixing valves PREMIX NANO and COMPACT / DELABIE

**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.

**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 supply 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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PREMIX NANO (from 3 - 12 lpm)</td>
<td>Nickel-plated body, inlets F ⅜&quot; and outlet M ⅜&quot;</td>
</tr>
<tr>
<td>732012</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Polished chrome body, inlets F ⅜&quot; and outlet M ⅜&quot;</td>
</tr>
<tr>
<td>732016</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Nickel-plated body M ⅜&quot;, Ø 15mm</td>
</tr>
<tr>
<td>732115</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Nickel, F ¼&quot; Ø 15mm</td>
</tr>
<tr>
<td>732115MEC</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Polished chrome body M ⅜&quot;, Ø 15mm</td>
</tr>
<tr>
<td>732116</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Polished chrome body, HW inlet F ⅜&quot;, CW inlet M ⅜&quot;, MW outlet M ⅜&quot;</td>
</tr>
<tr>
<td>732216</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Polished chrome body, HW inlet F ⅜&quot;, CW inlet M ⅜&quot;, MW outlet M ⅜&quot; + connection kit F ⅜&quot;</td>
</tr>
<tr>
<td>732230</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PREMIX COMPACT</td>
<td>M⅜&quot;</td>
</tr>
<tr>
<td>733015</td>
<td></td>
</tr>
<tr>
<td></td>
<td>M⅜&quot;</td>
</tr>
<tr>
<td>733020</td>
<td></td>
</tr>
<tr>
<td></td>
<td>M⅜&quot; Ø 15mm</td>
</tr>
<tr>
<td>733115</td>
<td></td>
</tr>
<tr>
<td></td>
<td>M⅜&quot; Ø 15mm</td>
</tr>
<tr>
<td>733116</td>
<td></td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Operating pressure</th>
<th>1 - 5 bar, 3 bar recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical supply*</td>
<td>230V / 50 Hz class II (without earth connection)</td>
</tr>
<tr>
<td>Electronic unit*</td>
<td>Independent or integrated</td>
</tr>
<tr>
<td>6V Lithium battery*</td>
<td>CR123 standard battery Average lifespan ~350,000 cycles or 3 - 6 years</td>
</tr>
<tr>
<td>Duty Flush programme can be adjusted*</td>
<td>12 or 24h after last use (or OFF)</td>
</tr>
<tr>
<td>Complies with European Directives CEM 2014/30/UE and BT 2014/35/UE</td>
<td></td>
</tr>
<tr>
<td>Time flow</td>
<td>~3 or 7 seconds</td>
</tr>
</tbody>
</table>

* Depending on model

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

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.
TEMPOMATIC 4 electronic urinal valve 430SBOX + 430030 - FINO wall-hung urinal 135710BK - AZA urinal divider 100620BK
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

<table>
<thead>
<tr>
<th>Programme 1</th>
<th>Short rinse</th>
<th>Additional rinse</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Standard urinal)</td>
<td>2 seconds</td>
<td>2 seconds</td>
</tr>
<tr>
<td>Programme 2</td>
<td>2 seconds</td>
<td>4 seconds</td>
</tr>
<tr>
<td>(Siphon urinal)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Programme 3</td>
<td>3 seconds</td>
<td>8 seconds</td>
</tr>
<tr>
<td>(Siphon action urinal)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Water savings per use

Discover our water savings video

Hygiene and controlling bacterial proliferation

Reduced-stagnation solenoid 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**: 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 × 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 F½" 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 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**.

### TEMPOMATIC 4 recessed urinal valve in a waterproof housing

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bright polished finish stainless steel 6V</td>
<td>430PBOX</td>
<td>Battery-operated</td>
</tr>
<tr>
<td>Bright polished finish stainless steel 230V</td>
<td>430SBOX</td>
<td>Mains supply</td>
</tr>
<tr>
<td>Satin finish stainless steel 6V</td>
<td>430PBOX</td>
<td>Battery-operated</td>
</tr>
<tr>
<td>Satin finish stainless steel 230V</td>
<td>430SBOX</td>
<td>Mains supply</td>
</tr>
<tr>
<td>Black tempered glass finish 6V</td>
<td>430PBOX</td>
<td>Battery-operated</td>
</tr>
<tr>
<td>Black tempered glass finish 230V</td>
<td>430SBOX</td>
<td>Mains supply</td>
</tr>
<tr>
<td>Ø 35mm neck tube for urinals</td>
<td>752430</td>
<td></td>
</tr>
<tr>
<td>Neck tube supply for urinals with flexible ½&quot;</td>
<td>757430</td>
<td></td>
</tr>
</tbody>
</table>
Featured product: TEMPOFIX 3 frame system with TEMPOMATIC 4 electronic urinal valve (ref. 543006 + 430016)

- Adjustable fixing height for urinal
  - Suitable for all urinals
- Adjustable centres can be locked in place
  - Suitable for all urinals
- Adjustable soil pipe height
  - Suitable for all urinals
- Telescopic tube
  - Adjustable in height
- Elbow outlet
  - Can be cut to size for in-line outlet
- Plastic sheaths
  - Protects the urinal pan
- Housing fixed by clips
  - Quick and easy to install
- Adjustable soil pipe height
  - Suitable for all urinals
- Adjustable frame height
  - Easy to install
- Soil pipe fixed by clips
  - Quick and easy to install
Frame systems for urinals **TEMPOFIX 3 with TEMPOMATIC 4** / **DELABIE**

- 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 x 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.

**TEMPOFIX 3 with TEMPOMATIC 4 urinal valve**

### 6V battery-operated models

<table>
<thead>
<tr>
<th>Finish</th>
<th>Urinal Size</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bright polished finish stainless steel - urinal Ø 35mm</td>
<td>543006</td>
<td>+ 430016</td>
</tr>
<tr>
<td>Bright polished finish stainless steel urinal with flexible ½”</td>
<td>543006D</td>
<td>+ 430016</td>
</tr>
<tr>
<td>Satin finish stainless steel - urinal Ø 35mm</td>
<td>543006</td>
<td>+ 430006</td>
</tr>
<tr>
<td>Satin finish stainless steel - urinal with flexible ½”</td>
<td>543006D</td>
<td>+ 430006</td>
</tr>
<tr>
<td>Black tempered glass finish urinal Ø 35mm</td>
<td>543006</td>
<td>+ 430036</td>
</tr>
<tr>
<td>Black tempered glass finish urinal with flexible ½”</td>
<td>543006D</td>
<td>+ 430036</td>
</tr>
</tbody>
</table>

### 230/6V mains supply models

<table>
<thead>
<tr>
<th>Finish</th>
<th>Urinal Size</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bright polished finish stainless steel - urinal Ø 35mm</td>
<td>543000</td>
<td>+ 430010</td>
</tr>
<tr>
<td>Bright polished finish stainless steel urinal with flexible ½”</td>
<td>543000D</td>
<td>+ 430010</td>
</tr>
<tr>
<td>Satin finish stainless steel - urinal Ø 35mm</td>
<td>543000</td>
<td>+ 430000</td>
</tr>
<tr>
<td>Satin finish stainless steel - urinal with flexible ½”</td>
<td>543000D</td>
<td>+ 430000</td>
</tr>
<tr>
<td>Black tempered glass finish urinal Ø 35mm</td>
<td>543000</td>
<td>+ 430030</td>
</tr>
<tr>
<td>Black tempered glass finish urinal with flexible ½”</td>
<td>543000D</td>
<td>+ 430030</td>
</tr>
</tbody>
</table>
**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](image1)
![Load-bearing walls](image2)
![Thin panels](image3)

**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.

![Collar with integrated waterproof seal](image4)

**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.

![Thick wall finish](image5)
![Narrow wall finish](image6)

**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.

**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.
Featured product: TEMPOMATIC 4 recessed electronic urinal valve (ref. 430PBOX + 430016 + 752430)

- 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
Electronic urinal valves **TEMPOMATIC 4** / **DELABIE**

- **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.
- **M½" 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.

<table>
<thead>
<tr>
<th>Valve only (M½&quot; outlet, 35mm gap from wall)</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-line</td>
</tr>
<tr>
<td>Angled</td>
</tr>
<tr>
<td><strong>Full kit (angled supply)</strong></td>
</tr>
<tr>
<td>For standard urinal: 50mm gap from wall</td>
</tr>
<tr>
<td>For DELABIE FINO urinal</td>
</tr>
<tr>
<td>For DELABIE DELTA urinal</td>
</tr>
<tr>
<td>For non-standard urinal: 30mm gap from wall</td>
</tr>
</tbody>
</table>
**TEMPOMATIC**

Cross wall electronic urinal valve

- **Mains supply.**
- Electronic control unit with solenoid valve, filter and stopcock M½”.
- 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.
- Suitable for people with reduced mobility.
- **30-year warranty.**

### TEMPOMATIC cross wall urinal valve

<table>
<thead>
<tr>
<th>Wall Thickness</th>
<th>Model Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>155mm or less</td>
<td>428150</td>
</tr>
<tr>
<td>225mm or less</td>
<td>428200</td>
</tr>
</tbody>
</table>

### Transformer 230/12V for 1 - 5 TEMPOMATIC urinals

- **Without housing**: 406000
- **In a waterproof housing**: 406220

**Installation examples**

- U-shaped
- L-shaped
- In-line

---

**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 M¾” and filter.
- **Hygienic duty flush** every 24 hours after last use, prevents vacuums.
- **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.**
- **Automatic pre-rinse** is possible after the arrival of the first user.
- **Automatic rinse every 30 or 60 seconds.**
- **Automatic pre-rinse** is possible after the arrival of the first user.
- **Automatic rinse every 30 or 60 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**

- U-shaped
- L-shaped
- In-line

---

**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 ½” union (with ~3 or 7 seconds time flow).

Optimised time flow

Water savings per use

Soft technology: soft-touch operation

Vandal-resistant

Endurance
TEMPOFIX 3 frame system with TEMPOFLUX time flow urinal valve 543006D + 778700 - DELTA urinal 134770 - LISO urinal divider 100590
TEMPOFLUX
Recessed time flow urinal valve

- Satin finish stainless steel control plate 145 x 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.

TEMPOFIX 3 with TEMPOFLUX
Frame system with time flow 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.
- 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

<table>
<thead>
<tr>
<th>Time flow ~3 seconds</th>
<th>543006 + 778700</th>
</tr>
</thead>
<tbody>
<tr>
<td>For urinals Ø 35mm</td>
<td>543006</td>
</tr>
<tr>
<td>For urinals with flexible ½&quot;</td>
<td>543006D</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time flow ~7 seconds</th>
<th>543006 + 778707</th>
</tr>
</thead>
<tbody>
<tr>
<td>For urinals Ø 35mm</td>
<td>543006</td>
</tr>
<tr>
<td>For urinals with flexible ½&quot;</td>
<td>543006D</td>
</tr>
</tbody>
</table>

TEMPOFLUX recessed urinal valve in a waterproof housing

<table>
<thead>
<tr>
<th>Time flow ~3 seconds</th>
<th>778BOX + 778700 + 752430</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time flow ~7 seconds</td>
<td>778BOX + 778707</td>
</tr>
<tr>
<td>Ø 35mm neck tube supply for urinals</td>
<td>752430</td>
</tr>
<tr>
<td>Neck tube supply for urinals with flexible ½&quot;</td>
<td>757430</td>
</tr>
</tbody>
</table>
Time flow urinal valves TEMPOFLUX / DELABIE

- 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 M½”.
- With chrome-plated neck tube.
- Angled for recessed inlet.
- Suitable for people with reduced mobility.
- 30-year warranty.

TEMPOFLUX exposed kit for DELABIE urinals

<table>
<thead>
<tr>
<th>Kit</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>For FINO urinal</td>
<td>778759</td>
</tr>
<tr>
<td>For DELTA urinal</td>
<td>778757</td>
</tr>
<tr>
<td>For standard urinal (50mm gap from wall) (type ALLIA Blagnac or DURAVIT.lime, Starck, D-code or IDEAL STANDARD Axif or LAUFEN Caprino or ROCA Mini or VB O.Novo etc.)</td>
<td>778755</td>
</tr>
</tbody>
</table>
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 M½".
- 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).

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.

TEMPOSOFT 2 exposed urinal valve

<table>
<thead>
<tr>
<th>Straight for in-line inlets</th>
<th>777800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angled for recessed inlets</td>
<td>778800</td>
</tr>
</tbody>
</table>

Options: unions and neck tubes (see page 182)

TEMPOSOFT 2 urinal valve, recessed or for panels

<table>
<thead>
<tr>
<th>Recessed behind a wall plate</th>
<th>777130</th>
</tr>
</thead>
<tbody>
<tr>
<td>For panels or dry walls</td>
<td>777140</td>
</tr>
</tbody>
</table>

Options: unions and neck tubes (see page 182)

Water savings: 60%
Vandal-resistant: chrome-plated brass, recessed version
Comfort: soft-touch operation
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).*

TEMPOSTOP recessed valve with plate

<table>
<thead>
<tr>
<th>TEMPOSTOP recessed valve with plate</th>
<th>779128</th>
</tr>
</thead>
</table>

Option: tamperproof screws (see page 267)

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).*

<table>
<thead>
<tr>
<th>TEMPOSTOP recessed valve with plate</th>
<th>779427</th>
</tr>
</thead>
</table>

Option: tamperproof screws (see page 267)
**Time flow urinal valves** TEMPOSTOP / DELABIE

**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 M½".
- Control base plate with anti-rotating pin.
- Connecting nut.
- Threaded rod can be cut to size.
- 30-year warranty.

---

**TEMPOSTOP**

Exposed time flow urinal valve M½"

- 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 M½".
- Wall plate.
- 30-year warranty.

---

**TEMPOSTOP cross wall urinal valve**

<table>
<thead>
<tr>
<th>TEMPOSTOP cross wall urinal valve</th>
<th>777110</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alternative cross wall lengths are available on request</td>
<td></td>
</tr>
</tbody>
</table>
Delabie / Additional fittings
Unions and neck tubes

**Elbow union**
With or without stopcock

- Retractable nut.
- Chrome-plated brass.
- L. 30mm.
- 30-year warranty.

- Neck tube
For siphon action urinals

- F ¾” Ø 35mm.
- IDEAL STANDARD Prival 3803.
- NOVOBOCH Mistal or Vasco.
- ROCA Mural.
- SELLES 8620 or Mistal.
- VILLEROY & BOCH Targa 7502/7504 or Esta 7506.
- 30-year warranty.

- Neck tube
For standard or siphon action urinals

- F ¾” 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.

**Elbow STOP union with stopcock**

- M ¾”, H. 30mm 836015
- M ½” - F ¾”, H. 30mm ± 2mm 836020

**Elbow union without stopcock**

- M ¾”, H. 27mm 838015
- M ½” - F ¾”, H. 29mm 838020

**Neck tube**
For DELABIE urinals

- F ½”.
- DELABIE FINO or DELTA.
- 30-year warranty.

For matching urinals see DELABIE “Stainless Steel Sanitary Ware” catalogue (Doc 750INT).

**Neck tube**
For ALLIA / SELLES urinals

- F ½” with water nozzle.
- ALLIA GEBERIT Aubagne, Amigo 3645.
- SELLES 8418.
- 30-year warranty.

**Neck tube**
For I.S. / PORCHER urinals

- IDEAL STANDARD Exposed 3873.
- PORCHER Exposed 2642/2651.
- 30-year warranty.

**Neck tube F ½” for DELABIE urinals**

- FINO 757135
- DELTA 757162

**Neck tube F ½” for ALLIA/GEBERIT Aubagne, SELLES 8418**

- 751000

**Neck tube F ½” for I.S. / PORCHER urinals**

- PORCHER Exposed 3873
- 753000

**Neck tube F ½” for I.S. / PORCHER urinals**

- IDEAL STANDARD Exposed 3873
- 753000

- PORCHER Exposed 2642/2651
**Additional fittings** Neck tubes and water nozzles / DELABIE

**Neck tube**
For JACOB DELAFON urinals

- JACOB DELAFON Coquille 2-1519.
- 30-year warranty.

<table>
<thead>
<tr>
<th>Neck tube for JACOB DELAFON urinals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coquille 2-1519 F½&quot; without water nozzle</td>
</tr>
<tr>
<td>Coquille 2-1519 F½&quot; with water nozzle</td>
</tr>
</tbody>
</table>

**Neck tube**
For VILLEROY & BOCH urinals

- F½".
- VILLEROY & BOCH Losange 7530.
- With water nozzle.
- 30-year warranty.

<table>
<thead>
<tr>
<th>Neck tube F½&quot;, for VILLEROY &amp; BOCH urinals</th>
</tr>
</thead>
<tbody>
<tr>
<td>751753</td>
</tr>
</tbody>
</table>

**Recessed inlet**
For standard or siphon action urinals

- 30-year warranty.

<table>
<thead>
<tr>
<th>Recessed inlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recessed tube F½&quot; Ø 35mm</td>
</tr>
<tr>
<td>Recessed tube F½&quot;-M½&quot;</td>
</tr>
<tr>
<td>Recessed union M½&quot; Ø 35mm</td>
</tr>
</tbody>
</table>

**Neck tube for stalls**

- F½".
- Water nozzle.
- 30-year warranty.

<table>
<thead>
<tr>
<th>Neck tube for SELLES 452, ALLIA/GEBERIT Montceau 007350</th>
</tr>
</thead>
<tbody>
<tr>
<td>756000</td>
</tr>
</tbody>
</table>

**Water nozzle for stalls**

- 30-year warranty.

<table>
<thead>
<tr>
<th>Water nozzle for stalls</th>
</tr>
</thead>
<tbody>
<tr>
<td>M½&quot;</td>
</tr>
<tr>
<td>M½&quot;</td>
</tr>
</tbody>
</table>
**SIPHURINOIR**

Urinal trap

- Vertical urinal trap Ø 50mm.
- Outlet Ø 32mm with nut.
- 50mm water level.
- Chrome-plated ABS
- 30-year warranty.

**Bottle urinal trap with horizontal outlet**

- Inlet F 1¼".
- Horizontal outlet Ø 32mm with nut.
- Water level 50mm.
- Chrome-plated brass.
- 30-year warranty.

**Urinal waste**

- Stainless steel grid Ø 63mm to cover a hole of Ø 54mm maximum.
- Outlet M 1¼".
- Central screw.
- 30-year warranty.

**Stall waste**

- With integrated trap.
- With stainless steel inlet filter and polypropylene body.
- Outlet Ø 40mm with nut.
- 30-year warranty.
**Corner wedge**

- For TEMPOSTOP (ref. 777000) or TEMPOSOFT 2 (ref. 778800) on corner-mounted urinals.
- 30-year warranty.

![Corner wedge diagram](image)

**Urinal outlet**

- Inlet Ø 50mm with compression seal.
- Outlet M1¼”.
- Chrome-plated brass.
- 30-year warranty.

![Urinal outlet diagram](image)

---

### Corner wedge

- ALLIA Aubagne 3640, Sablas 43610
- VILLEROY & BOCH Troja 7540
- IDEAL STANDARD Exposed 3874
- JACOB DELAFON Coquille 2, 1516
- LAUFEN Como
- PORCHER Exposed 2651

---

### 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 x 150mm](image)

**Floor trap 150 × 150mm**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Code</th>
<th>Code UK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 40mm</td>
<td>683001</td>
<td>683001UK</td>
</tr>
<tr>
<td>Ø 43mm</td>
<td>683001UK</td>
<td></td>
</tr>
</tbody>
</table>

---

### 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 x 100mm](image)

**Floor trap 100 × 100mm**

<table>
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### 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.

![Floor trap Ø 114mm](image)

**Floor trap Ø 114mm**

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## TIME FLOW CONTROLS & ELECTRONIC CONTROLS

Having selected a urinal brand and model, choose the associated water control equipment in the table below.

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### DELABIE

### ALLIA - SELLES - GEBERIT

### STALLE L

### STALLE LP

### Wall-mounted trough urinal
Having selected a urinal brand and model, choose the associated water control equipment in the table below.

### TIME FLOW CONTROLS

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### ELECTRONIC CONTROLS

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WCs with direct flush systems: Valves and cistern-less frame systems

SOLUTIONS FOR CISTERN-LESS WC FLUSH SYSTEMS
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Solutions for cistern-less WC flush systems / DELABIE

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
DELABIE / Solutions for cistern-less WC flush systems

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.

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.

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.

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.
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.

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:

<table>
<thead>
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<th>Number of valves installed</th>
<th>Number of valves used simultaneously</th>
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<td>3 valves</td>
<td>1 valve</td>
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<tr>
<td>4 to 12 valves</td>
<td>2 valves</td>
</tr>
<tr>
<td>13 to 24 valves</td>
<td>3 valves</td>
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<td>25 to 50 valves</td>
<td>4 valves</td>
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<tr>
<td>&gt; 50 valves</td>
<td>5 valves</td>
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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:

![Diagram showing water consumption in m³ from January to December](image)

- **Direct flush installations:**
  No more over-consumption of water, hours of daily maintenance and regularly changing spare parts.
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
- Bordet Hospital - Belgium
- Palais de justice (courthouse) - Paris

Photo credits: © Lagranja design + MLA Architects, Eulalia Castells
Photo credits: © Roel Wijnen
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.
Featured product: TEMPOFIX 3 self-supporting WC frame system with TEMPOFLUX 3 direct flush time flow valve (ref. 564065 + 763040)

1-METRE MARK FROM FLOOR SURFACE
Easy to install

HOUSING FIXED BY CLIPS
Quick and easy to install

SPACE SAVING
350 x 180mm

TELESCOPIC FLUSH TUBE
Easy to install

PIPE AND SOIL PIPE FIXED BY CLIPS
Quick and easy to install

PLASTIC SHEATHS
protect the WC pan

180 OR 230MM CENTRES
suitable for all types of WC pan

ABS SOIL PIPE

ADJUSTABLE PAN HEIGHT
Easy to install

LARGE SELF-SUPPORTING FEET

FROM FLOOR SURFACE

MATERIALS

TELESCOPIC FLUSH TUBE

HOUSING FIXED BY CLIPS

PIPE AND SOIL PIPE FIXED BY CLIPS

PLASTIC SHEATHS

1-METRE MARK FROM FLOOR SURFACE

ADJUSTABLE PAN HEIGHT

LARGE SELF-SUPPORTING FEET

ABS SOIL PIPE

FROM FLOOR SURFACE

ADJUSTABLE PAN HEIGHT

LARGE SELF-SUPPORTING FEET

ABS SOIL PIPE

FROM FLOOR SURFACE

ADJUSTABLE PAN HEIGHT

LARGE SELF-SUPPORTING FEET

ABS SOIL PIPE
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 criterion: the concrete floor should withstand a minimum load of 350kg/m².

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 15” 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.

TEMPOFIX 3 and its innovative recessed housing, A SINGLE PRODUCT for wall thicknesses from 10 - 120mm

Dry walls (plasterboard): Min. 10mm thick.
Semi-thick walls made from gypsum blocks: Max. 120mm thick.
Thick walls made from bricks or cinder blocks: Max. 120mm thick.
Recessed TEMPOMATIC dual control electronic direct flush valve 464PBOX + 464006
BCN S wall-hung WC 110110 - Slimline toilet seat 102419 - Toilet roll holder 8100835 - Toilet brush set 40515
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 x 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 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.
- 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 Ø 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.

**TEMPOMATIC dual control recessed WC flush valve in a waterproof housing**

<table>
<thead>
<tr>
<th>6V battery-operated</th>
<th>464PBOX + 464006</th>
</tr>
</thead>
<tbody>
<tr>
<td>230/6V mains supply</td>
<td>464SBOX + 464000</td>
</tr>
</tbody>
</table>

We recommend a flush tube (see page 234)
TEMPOFIX 3 WC frame system with TEMPMATIC dual control electronic direct flush valve 5640005DE + 464000 = Toilet brush set 4051C = Toilet roll holder 511966C
Frame systems for direct flush TEMPOFIX 3 with TEMPOMATIC dual control / DELABIE

- 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 F½" 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 x 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.

TEMPOFIX 3 WC frame system with TEMPOMATIC dual control

<table>
<thead>
<tr>
<th>Frame System Type</th>
<th>Reference 1</th>
<th>Reference 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-supporting model - 6V battery-operated</td>
<td>564065 + 464006</td>
<td></td>
</tr>
<tr>
<td>Self-supporting model - 230/6V mains supply</td>
<td>564005 + 464000</td>
<td></td>
</tr>
<tr>
<td>Wall-mounted version - 6V battery-operated</td>
<td>564060 + 464006</td>
<td></td>
</tr>
<tr>
<td>Wall-mounted version - 230/6V mains supply</td>
<td>564000 + 464000</td>
<td></td>
</tr>
</tbody>
</table>

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)

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)
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.

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.

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).
CISTERN-LESS WC's

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

COLLAR WITH INTEGRATED SEAL
Completely waterproof

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

VACUUM BREAKER
Inside the housing

ANTI-BLOCKING ACTIVATION UNIT CAN BE ACCESSED FROM THE FRONT
Simple to maintain

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

Featured product: Recessed TEMPOMATIC dual control electronic direct flush system (ref. 464PBOX + 464006)
TEMPOmatic dual control electronic direct flush system remote 464306 - Drop-down support rail 511964C
Straight grab bar 511905C - Toilet roll holder 511965C
Cistern-less WCs

TEMPOMATIC dual control remote
Recessed electronic direct flush valve

- **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 WC dual control remote**

<table>
<thead>
<tr>
<th>6V battery-operated</th>
<th>230/6V mains supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>464306</td>
<td>464300</td>
</tr>
</tbody>
</table>

We recommend a flush tube (see page 234)

- **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 x 186mm.
- **Satin stainless steel time flow control plate** with chrome-plated button 90 x 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 ¾" 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 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**.
TEMPOFIX 3 frame system with TEMPOMATIC Connect electronic direct flush system 564005 + 465000 - S2 S wall-hung WC 110310
Toilet brush set 4051S - Toilet roll holder 510083S
**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 x 186mm.
- Waterproof recessing housing:
  - Collar with waterproof seal.
  - Hydraulic connection from the outside and maintenance from the front.
  - Adjustable to all types of installation (rails, solid walls, panels).
  - Suitable for wall finishes 10 - 120mm (while maintaining the minimum recessing depth of 93mm).
  - 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.

**TempoFix 3 with Tempomatic Connect**

Frame system with electronic flush valve

- 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.

**Tempomatic Connect WC recessed in waterproof housing**

6V battery-operated

<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>464PBOX + 465006</td>
<td>Self-supporting frame system - 6V battery-operated</td>
</tr>
</tbody>
</table>

230/6V mains supply

<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>464SBOX + 465000</td>
<td>Self-supporting frame system - 230/6V mains supply</td>
</tr>
</tbody>
</table>

We recommend a flush tube (see page 234)

**TempoFix 3 WC frame system with Tempomatic Connect**

Self-supporting frame system - 6V battery-operated

<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>564065 + 465006</td>
<td>Self-supporting frame system - 6V battery-operated</td>
</tr>
</tbody>
</table>

Wall-mounted frame system - 6V battery-operated

<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>564060 + 465006</td>
<td>Wall-mounted frame system - 6V battery-operated</td>
</tr>
</tbody>
</table>

Wall-mounted frame system - 230/6V mains supply

<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>564000 + 465000</td>
<td>Wall-mounted frame system - 230/6V mains supply</td>
</tr>
</tbody>
</table>

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 40515
Electronic direct flush systems TEMPOMATIC / DELABIE

- **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**

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>For walls ≤ 30mm</td>
<td>463030</td>
</tr>
<tr>
<td>For walls ≤ 30mm, sea water compatible</td>
<td>463030HK</td>
</tr>
<tr>
<td>For walls ≤ 160mm</td>
<td>463150</td>
</tr>
<tr>
<td>TEMPOFIX 3 WC self-supporting frame system with TEMPOMATIC WC</td>
<td>547105</td>
</tr>
</tbody>
</table>

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 40515
TEMPOFLUX 3
Recessed time flow direct flush valve

- **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 WC recessed in waterproof housing

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chrome-plated metal control plate, dual flush</td>
<td>763BOX + 763040</td>
</tr>
<tr>
<td>Chrome-plated metal control plate, single flush</td>
<td>763BOX + 763041</td>
</tr>
<tr>
<td>Satin stainless steel control plate, dual flush</td>
<td>763BOX + 763000</td>
</tr>
<tr>
<td>Black glass control plate, dual flush</td>
<td>763BOX + 763030</td>
</tr>
</tbody>
</table>

*We recommend a flush tube (see page 234)*

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• **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 ¾" 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.
• **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.
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
Frame systems for direct flush TEMPOFIX 3 with TEMPOFLUX 3 / DELABIE

- 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 F¾” 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.

TEMPOFIX 3 WC frame system with TEMPOFLUX 3

| Satin finish stainless steel control plate | Wall-mounted model, dual flush | + 763000 |
| Self-supporting model, dual flush | 564065 | |

| Chrome-plated metal control plate | Wall-mounted model, dual flush | + 763000 |
| Self-supporting model, dual flush | 564060 | + 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 | Wall-mounted model, dual flush | + 763030 |
| 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.

**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 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.

**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, 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.

**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.

**Collar with integrated waterproof seal**
Featured product: Recessed TEMPOFLUX 3 time flow direct flush system (ref. 763BOX + 763000)

- **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

- **STAINLESS STEEL CONTROL PLATE**
  - With dual flush 3L/6L, can be adjusted to 2L/4L
  - Design and water savings

- **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
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
Fire retardant frame system for direct flush: TEMPOFIX 3 with TEMPOFLUX 3 / DELABIE

- **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

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>565065</td>
<td>For Ø 90mm (or 110mm) soil pipe outlet versions: add “BE” (or “DE”) after the reference for kit 1&lt;br&gt;Options: wall fixings, sleeve connector and kit for disabled WC (see page 235)</td>
</tr>
</tbody>
</table>
Featured product: TEMPOFIX 3 self-supporting fire retardant frame system with TEMPOFLUX 3 time flow direct flush system (ref. 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
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.
DELABIE / Time flow direct flush systems TEMPOFLUX 3 remote

- 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 - 150mm (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 FM 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
Cross wall time flow flush valve

- **Cistern-less flush system**: directly connected to pipework.
- **For walls ≤ 200mm.**
- **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 M¾".**
- 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.**
Cistern-less WCs

TEMPOFLUX 2 recessed time flow direct flush system 762902 - S21 S wall-hung WC 110310 - Toilet brush set 40515 - Toilet paper dispenser 1660
**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 M¾”.
- 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).

**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 M¾”.
- 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.

**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
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 M¾".
- 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)

<table>
<thead>
<tr>
<th>3L/6L dual flush (DELABIE patented)</th>
<th>578305 + 578222</th>
</tr>
</thead>
<tbody>
<tr>
<td>6L single flush (can be adjusted to 9L)</td>
<td>578305 + 578212</td>
</tr>
</tbody>
</table>

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)
Frame systems for direct flush TEMPOFIX 3 with TEMPOFLUX 2 / DELABIE

- 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.

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)

<table>
<thead>
<tr>
<th>3L/6L dual flush (DELABIE patented)</th>
<th>578405 + 578222</th>
</tr>
</thead>
<tbody>
<tr>
<td>6L single flush (can be adjusted to 9L)</td>
<td>578405 + 578212</td>
</tr>
</tbody>
</table>

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)
Cistern-less WCs

TEMPOFLUX 1

- **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 M¾".
- Outlet connection for PVC tube Ø 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).

### TEMPOFLUX 1
Cross wall time flow flush kit

- **Cistern-less flush system**: directly connected to pipework.
- For walls ≤ 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 M¾".
- Connection washer Ø 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 Ø 32mm.
- Compatible with rain water.
- Suitable for people with reduced mobility.
- 30-year warranty.

<table>
<thead>
<tr>
<th>TEMPOFLUX 1 WC cross wall kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>With PVC flush tube</td>
</tr>
<tr>
<td>Without flush tube</td>
</tr>
</tbody>
</table>

Alternative cross wall lengths are available on request.
CISTERN-LESS WC s

Cistern-less WCs

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 M¾".
- 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.

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 ¾".
- 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.

TEMPOFLUX 1 WC exposed

Kit with tube, collar and connection washer 761003
Exposed time flow valve only 761001

TEMPOFLUX 1 WC exposed

With separate elbow stopcock FF¾"
Kit with flush tube, collar and connection washer 761002
Without stopcock M¾"
Kit with flush tube, collar and connection washer 761004
With outlet nut Ø 28mm, without flush tube 761000
With flush tube Ø 25mm and Ø 24mm (replacements for SCHELL & BINE 100000 models) 761025

Accessories
Elbow stopcock FF¾" 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)
Comfort: soft-touch operation
Vandal-resistant: chrome-plated solid brass
• **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 x 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).*
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 Ø 32/55mm with clamp.
• Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
• Compatible with rain water.
• Bright polished stainless steel elbow flush tube Ø 32mm with nut and collar.
• 30-year warranty.

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 M1¼".
• Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
• Compatible with rain water.
• 30-year warranty.

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 WC exposed
With push-button  760000
In-line stopcock  764000
Elbow stopcock  765000
DELABIE / Additional fittings

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.
- Ø 26/32mm (bare, without connection washer).
- 30-year warranty.

Flush tube for squat WCs
For TEMPOCHASSE exposed

- Bright polished stainless steel elbow flush tube Ø 32mm with nut 1¼".
- Collar and connection washer Ø 32/55mm with clamp.
- 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.
- Ø 26/32mm (bare, without connection washer).
- 30-year warranty.

Bare flush tube for recessing for WC pan 769400

Flush tube with connection washer for recessing for WC pans 769500

Flush tube for WC pans
For TEMPOFLUX 1 and 3 exposed and compact

- Bright polished stainless steel elbow flush tube Ø 28mm with collar and no nut.
- With connection washer Ø 28/55mm with clamp.
- 30-year warranty.

Flush tube for WC pans 766002

Flush tube for WC pans 766001

• Bright polished stainless steel elbow flush tube Ø 32mm with nut 1¼".
• Collar and connection washer Ø 32/55mm with clamp.
• 30-year warranty.
### Connection washer
**For tube Ø 32mm**
- With clamp.
- Neck Ø 55mm.
- 30-year warranty.

### Connection washer
**For tube Ø 28mm**
- With clamp.
- Neck Ø 55mm.
- 30-year warranty.

<table>
<thead>
<tr>
<th>Connection washer Ø 32mm</th>
<th>705000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection washer Ø 28mm</td>
<td>705028</td>
</tr>
</tbody>
</table>

### 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.

### Sleeve connector
**For TEMPOFIX 3**
- For horizontal evacuation.
- 30-year warranty.

### Connection kit for disabled WCs
**For TEMPOFIX 3**
- Extended supply tube Ø 32mm, L. 580mm.
- Ø 55mm connection washer.
- 30-year warranty.

<table>
<thead>
<tr>
<th>Sleeve connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABS, Ø 100/100mm</td>
</tr>
<tr>
<td>HDPE, Ø 100/90mm</td>
</tr>
<tr>
<td>HDPE, Ø 100/110mm</td>
</tr>
</tbody>
</table>

| 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
TEMPOMATÌC 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. 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).
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.

TEMPOMATIC cross wall basin tap

<table>
<thead>
<tr>
<th>M³/h</th>
<th>Ø 15mm for compression fitting</th>
</tr>
</thead>
<tbody>
<tr>
<td>441157</td>
<td>44115715</td>
</tr>
</tbody>
</table>

We recommend installing a TMV (see page 143)
Alternative spout and cross wall lengths available on request
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 M¾".
- 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.

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.

TEMPOMIX cross wall basin mixer

TEMPOMIX cross wall 795209
Back nut F½" 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 basin tap

1 control 748110
2 controls 748210
Back-nut F½" with 3 screws (reinforcing clamp behind the wall) 826315

We recommend installing a TMV (see page 143)
Alternative cross wall lengths available on request.
TEMPOMATIC
Cross wall electronic shower kit

- TEMPOMATIC electronic valve for mixed water supply.
- For walls ≤ 155mm.
- Power supply by electronic control unit with solenoid valve ½”.
- 230/12V transformer.
- 2 operation modes:
  - automatic activation via presence detection.
  - voluntary ON/OFF activation by passing hand in front of sensor ~10 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

<table>
<thead>
<tr>
<th>Kit</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kit with shower head</td>
<td>452159</td>
</tr>
<tr>
<td>Control without shower head</td>
<td>452150</td>
</tr>
</tbody>
</table>

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

Cross wall time flow shower kit

- **TEMPOMIX ¾” 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.

**TEMPOMIX cross wall shower kit**

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

---

**TEMPPOSTOP**

Cross wall time flow shower kit

- **TEMPPOSTOP M½” 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.

**TEMPPOSTOP 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)
TEMPOMATIC
Cross wall electronic urinal valve

- Mains supply.
- Electronic control unit 12V with solenoid valve, filter and stopcock M½".
- 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.

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 M½".
- Control base plate with anti-rotating pin.
- Connecting nut.
- Threaded rod can be cut to size.
- 30-year warranty.

TEMPOMATIC cross wall urinal valve

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>For walls ≤ 155mm</td>
<td>428150</td>
</tr>
<tr>
<td>For walls ≤ 225mm</td>
<td>428200</td>
</tr>
<tr>
<td>Transformer 230/12V for 1 - 5 TEMPOMATIC urinals</td>
<td></td>
</tr>
<tr>
<td>Without housing</td>
<td>406000</td>
</tr>
<tr>
<td>In a waterproof housing</td>
<td>406220</td>
</tr>
<tr>
<td>Alternative cross wall lengths available on request</td>
<td></td>
</tr>
</tbody>
</table>

TEMPOSTOP cross wall urinal valve

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>777110</td>
</tr>
<tr>
<td>Alternative cross wall lengths available on request</td>
<td></td>
</tr>
</tbody>
</table>
**TEMPOMATIC**
Cross wall electronic flush valve

- **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

### Key Features

- **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.
TEMPOFLUX 2
Cross wall time flow flush valve

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.

TEMPOFLUX 2 WC cross wall
TEMPOFLUX 3 AB
Cross wall time flow flush valve

NEW

• **Cistern-less flush system**: directly connected to pipework.
• For walls ≤ 200mm.
• **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 M¾".
• 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.
• Suitable for rimless WC pans without flow rate regulation and suitable for people with reduced mobility.
• 30-year warranty.

TEMPOFLUX 1
Cross wall time flow flush valve

NEW

• **Cistern-less flush system**: directly connected to pipework.
• For walls ≤ 200mm.
• 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 Ø 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 Ø 32mm.
• Compatible with rain water.
• 30-year warranty.

TEMPOFLUX 3 AB WC cross wall

<table>
<thead>
<tr>
<th></th>
<th>763256</th>
</tr>
</thead>
<tbody>
<tr>
<td>With flush tube</td>
<td></td>
</tr>
<tr>
<td>Without flush tube</td>
<td></td>
</tr>
</tbody>
</table>

TEMPOFLUX 1 WC cross wall M¾" with soft-touch operation

<table>
<thead>
<tr>
<th></th>
<th>761210</th>
</tr>
</thead>
<tbody>
<tr>
<td>With flush tube</td>
<td></td>
</tr>
<tr>
<td>Without flush tube</td>
<td></td>
</tr>
</tbody>
</table>

Alternative cross wall lengths available on request
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 80 × 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 F¾" 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 remote

TEMPOFLUX 3 AB WC remote

We recommend a flush tube (see page 234)
Safety controls

SOLUTIONS FOR SAFETY CONTROLS
252

SAFETY SHOWERS
255

EYE WASH STATIONS
256
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.

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.

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 repairability.
SAFETY CONTROLS

140mm

CIRCULAR SHOWER HEAD
Even, conical flow

ERGONOMIC HANDLE
activates shower and eye wash simultaneously

IDENTIFICATION SIGN
FOR EYE WASH STATIONS

EYE WASH STATION
WITH GENTLE SPRAY
User comfort

STAINLESS STEEL BASIN
Reliable

DRAINAGE
F1¼"

FOOT CONTROL
activates eye wash

WATER INLET F1¼"

BRASS FIXING PLATE
Reliable

GALVANISED STEEL
RISER COLUMN
Reliable

IDENTIFICATION
SIGN FOR
SAFETY SHOWERS

HAND CONTROL
activates eye wash

Featured product: Eye wash and shower combination (ref: 9203)
Eye wash and shower combination 9203
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. 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:**

**1/4-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.).
**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, powder-coated finish.**
- **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.**

### 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.**

---

**Wall-mounted safety shower**

<table>
<thead>
<tr>
<th>Model</th>
<th>Wall-mounted safety shower</th>
<th>9108</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>We recommend installing a TMV (see page 143)</td>
<td></td>
</tr>
</tbody>
</table>

**Wall-mounted recessed safety shower**

<table>
<thead>
<tr>
<th>Model</th>
<th>Wall-mounted recessed safety shower</th>
<th>9201</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>We recommend installing a TMV (see page 143)</td>
<td></td>
</tr>
</tbody>
</table>

**Ceiling-mounted safety shower**

<table>
<thead>
<tr>
<th>Model</th>
<th>Ceiling-mounted safety shower</th>
<th>9202</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>We recommend installing a TMV (see page 143)</td>
<td></td>
</tr>
</tbody>
</table>
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.

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.

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.

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.

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270
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.

Base flow rate \( (Q \text{ min L/sec.}) \)
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 \( (Y) \).

\( (x) = \) number of time flow or electronic valves per installation branch.

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:

\[ Y = \frac{0.8}{x-1} \]

• **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:

<table>
<thead>
<tr>
<th>Product family</th>
<th>Ranges</th>
<th>Required dynamic pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basins</td>
<td>TEMPOSTOP, TEMPOGENOU, MIX-MONOFOOT, TEMPOMATIC, BINOPTIC, TEMPOSOFT, TEMPOMIX</td>
<td>0.5 bar min.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 bar min.</td>
</tr>
<tr>
<td>Showers</td>
<td>TEMPOSTOP, TEMPOMATIC, mechanical, SPORTING 2, TEMPOSOFT, TEMPOMIX, OUTDOOR</td>
<td>0.5 bar min.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 bar min.</td>
</tr>
<tr>
<td>Urinals</td>
<td>TEMPOSTOP, TEMPOMATIC, TEMPOSOFT, TEMPOFLUX</td>
<td>0.5 bar min.</td>
</tr>
<tr>
<td>WCs</td>
<td>TEMPOFLUX, TEMPOCHASSE, TEMPOMATIC</td>
<td>1 bar min.</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Time flow or electronic valve</th>
<th>Number of valves supplied on the same pipe run</th>
<th>FLOW RATE</th>
<th>PIPE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Gross flow rate L/sec.</td>
<td>Design corrected L/sec.</td>
<td>Minimum interior diameter</td>
</tr>
<tr>
<td><strong>BASIN</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Base flow rate 0.05 L/sec.</td>
<td>1</td>
<td>0.05</td>
<td>0.05</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>2 or 3</td>
<td>0.10 to 0.15</td>
<td>0.08</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>4 to 6</td>
<td>0.20 to 0.30</td>
<td>0.09 to 0.11</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>7 to 11</td>
<td>0.35 to 0.55</td>
<td>0.11 to 0.14</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>12 to 17</td>
<td>0.60 to 0.85</td>
<td>0.14 to 0.17</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>18 to 25</td>
<td>0.90 to 1.25</td>
<td>0.17 to 0.20</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>26 to 36</td>
<td>1.30 to 1.80</td>
<td>0.21 to 0.24</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>37 to 50</td>
<td>1.85 to 2.50</td>
<td>0.25 to 0.29</td>
<td>13</td>
</tr>
<tr>
<td><strong>SHOWER</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Base flow rate 0.10 L/sec.</td>
<td>1</td>
<td>0.10</td>
<td>0.10</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>2 or 3</td>
<td>0.20 to 0.30</td>
<td>0.16 to 0.17</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>4 to 5</td>
<td>0.40 to 0.50</td>
<td>0.18 to 0.20</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>6 to 8</td>
<td>0.60 to 0.80</td>
<td>0.21 to 0.24</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>9 to 15</td>
<td>0.90 to 1.50</td>
<td>0.25 to 0.32</td>
<td>13 to 14</td>
</tr>
<tr>
<td></td>
<td>16 to 27</td>
<td>1.60 to 2.70</td>
<td>0.33 to 0.42</td>
<td>15 to 16</td>
</tr>
<tr>
<td></td>
<td>28 to 50</td>
<td>2.80 to 5</td>
<td>0.43 to 0.57</td>
<td>17 to 19</td>
</tr>
<tr>
<td><strong>URINAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With water nozzle and stall</td>
<td>1</td>
<td>0.15</td>
<td>0.15</td>
<td>10</td>
</tr>
<tr>
<td>Flow rate 0.15 L/sec.</td>
<td>2 to 4</td>
<td>0.3 to 0.60</td>
<td>0.24 to 0.28</td>
<td>12 to 13</td>
</tr>
<tr>
<td></td>
<td>5 to 8</td>
<td>0.75 to 1.20</td>
<td>0.30 to 0.36</td>
<td>14 to 15</td>
</tr>
<tr>
<td></td>
<td>9 to 14</td>
<td>1.35 to 2.10</td>
<td>0.38 to 0.47</td>
<td>16 to 17</td>
</tr>
<tr>
<td></td>
<td>15 to 23</td>
<td>2.25 to 3.45</td>
<td>0.48 to 0.59</td>
<td>18 to 19</td>
</tr>
<tr>
<td></td>
<td>24 to 35</td>
<td>3.60 to 5.25</td>
<td>0.60 to 0.72</td>
<td>20 to 21</td>
</tr>
<tr>
<td></td>
<td>36 to 50</td>
<td>5.40 to 7.50</td>
<td>0.73 to 0.86</td>
<td>22 to 23</td>
</tr>
<tr>
<td><strong>SIPHON ACTION URINAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With small independent plastic or ceramic waste</td>
<td>1</td>
<td>0.25</td>
<td>0.25</td>
<td>13</td>
</tr>
<tr>
<td>Base flow rate 0.25 L/sec.</td>
<td>2 or 3</td>
<td>0.50 to 0.75</td>
<td>0.40 to 0.42</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>4 to 7</td>
<td>1 to 1.75</td>
<td>0.46 to 0.57</td>
<td>17 to 19</td>
</tr>
<tr>
<td></td>
<td>8 to 14</td>
<td>2 to 3.50</td>
<td>0.60 to 0.78</td>
<td>20 to 22</td>
</tr>
<tr>
<td></td>
<td>15 to 25</td>
<td>3.75 to 6.25</td>
<td>0.80 to 1.02</td>
<td>23 to 25</td>
</tr>
<tr>
<td></td>
<td>26 to 34</td>
<td>6.50 to 8.50</td>
<td>1.04 to 1.18</td>
<td>26 to 27</td>
</tr>
<tr>
<td></td>
<td>35 to 50</td>
<td>8.75 to 12.50</td>
<td>1.20 to 1.43</td>
<td>28 to 30</td>
</tr>
<tr>
<td><strong>DIRECT FLUSH WC</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>¾” to 1¾” Base flow rate 1 L/sec.</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>2 or 3</td>
<td>2 to 3</td>
<td>1</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>4 to 12</td>
<td>4 to 12</td>
<td>2</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>13 to 24</td>
<td>13 to 24</td>
<td>3</td>
<td>44</td>
</tr>
<tr>
<td></td>
<td>25 to 50</td>
<td>25 to 50</td>
<td>4</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>+50</td>
<td>+50</td>
<td>5</td>
<td>56</td>
</tr>
</tbody>
</table>
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**

<table>
<thead>
<tr>
<th></th>
<th>BASINS</th>
<th>SHOWERS</th>
<th>URINALS</th>
<th>SIPHON ACTION URINALS</th>
<th>WCs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base flow rate (Q min.)</td>
<td>0.05 L/sec.</td>
<td>0.10 L/sec.</td>
<td>0.15 L/sec.</td>
<td>0.25 L/sec.</td>
<td>1 L/sec.</td>
</tr>
<tr>
<td>Simultaneous coefficient (Y)</td>
<td>0.8(\sqrt{\frac{x-1}{x}})</td>
<td>*</td>
<td>0.8(\sqrt{\frac{x-1}{x}})</td>
<td>*</td>
<td>0.8(\sqrt{\frac{x-1}{x}})</td>
</tr>
<tr>
<td>Gross flow rate (Q)</td>
<td>1.65 L/sec.</td>
<td>x</td>
<td>0.9 L/sec.</td>
<td>x</td>
<td>1.65 L/sec.</td>
</tr>
</tbody>
</table>

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:

![Diagram](image)

- ABC branch: basins & urinals
  - Gross flow rate

<table>
<thead>
<tr>
<th>Branch</th>
<th>Number of fittings</th>
<th>Min. flow rate (Q min.)</th>
<th>Gross flow rate (Q)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB</td>
<td>15 basins</td>
<td>0.05 L/sec.</td>
<td>0.75 L/sec.</td>
</tr>
<tr>
<td>BC</td>
<td>6 urinals</td>
<td>0.15 L/sec.</td>
<td>0.8 L/sec.</td>
</tr>
</tbody>
</table>

| Simultaneous coefficient

\[ Y = \frac{0.8}{\sqrt{x-1}} \]

2. Calculate the design flow rate per installation branch

Add the base flow rates from the different fittings. See Q min. calculation table 2.

- CD branch: Direct flush systems
  - Gross flow rate: 1 L/sec.
  - Number of fittings: 12 WCs

**Probable flow rate**

The multiply the gross flow rate (Q) with the simultaneous coefficient (Y) in order to determine the probable flow rate.

\[ \text{Design flow rate} = \frac{\text{Gross flow rate (Q)}}{\text{Simultaneous coefficient (Y)}} \]

- **• ABC branch: basins & urinals**
  - Design velocity = 2 m/sec.
  - Design flow rate = 0.30 L/sec.

- **• CD branch: Direct flush systems**
  - Gross flow rate: 1 L/sec.
  - Number of fittings: 12 WCs
  - Probable flow rate

<table>
<thead>
<tr>
<th>Min. flow rate</th>
<th>Number of valves counted</th>
<th>Probably flow rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.30 L/sec.</td>
<td>2</td>
<td>2 L/sec.</td>
</tr>
</tbody>
</table>

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**
  - Design velocity = 2 m/sec.
  - 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
  
  - 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).

### 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.
### BASINS

#### Cartridges

<table>
<thead>
<tr>
<th>Time flow (sec.)</th>
<th>Maintenance kit</th>
<th>Complete cartridge</th>
<th>Type</th>
</tr>
</thead>
</table>

**For TEMPOSTOP**

- 744000, 745100, 745107, 745200, 745250, 745257, 745300, 746000, 746007, 746292
- 745440, 745450, 746410, 747121, 748126
- 737152, 737202
- 741943, 741945, 747122L, 702451
- 744001, 745101, 745301, 745351, 746001
- 748150
- 749151

**For TEMPOSTOP 2 / TEMPMIX 2**

- 700000, 700100, 702000
- 700000, 700100, 702000
- 700001, 700101, 702301, 702351
- 700001, 700101, 702301, 702351
- 700400, 700500, 702400

**For TEMPOSOFT**

- 740000, 741000, 742000, 742100

**For TEMPOSOFT 2**

- 740300, 740500, 741500, 741550, 742500, 742510
- 740300, 740500, 741500, 741550, 742500, 742510

**For TEMPMIX**

- 795000 and 795100 (old design)
- 795000 and 795100 (new design)
- 795926
- 795209
- 796000, 796838, 797000, 798152 (new design)
- 796000, 796838, 798152 (new design)

**For TEMPMIX 3**

- 794000, 794100, 794150, 794155, 794160, 794165, 794200, 794250
- 794200, 794000AB, 794100AB, 794150AB, 794160AB, 794155AB, 794165AB

**For non-manual controls**

- TEMPOGENOU 734100, 735100, 735000, 735400, 735447
- MONOFoot 736001, 736101, 736102
- MIXFOOT 739000, 739100, 739102

#### Control plates

**For TEMPMIX 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: 370BLUP 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

<table>
<thead>
<tr>
<th>Cartridges</th>
<th>Time flow (sec.)</th>
<th>Maintenance kit</th>
<th>Complete cartridge</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>For TEMPOSTOP</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>747000, 748000</td>
<td>15</td>
<td>-</td>
<td>743011</td>
<td>A</td>
</tr>
<tr>
<td>747004, 747006, 747500</td>
<td>15</td>
<td>-</td>
<td>743311</td>
<td>B</td>
</tr>
<tr>
<td>749000</td>
<td>30</td>
<td>753749</td>
<td>743749</td>
<td>C</td>
</tr>
<tr>
<td>749BOX</td>
<td>30</td>
<td>753149</td>
<td>743644</td>
<td>-</td>
</tr>
<tr>
<td>749570, 749700, 749770, 749001, 749715, 749725</td>
<td>30</td>
<td>753149</td>
<td>743700</td>
<td>C</td>
</tr>
<tr>
<td>749142, 749148, 749152, 749159, 749212, 749219</td>
<td>30</td>
<td>753149</td>
<td>743642</td>
<td>D</td>
</tr>
<tr>
<td>749128, 749628, 749925</td>
<td>30</td>
<td>753149</td>
<td>743428</td>
<td>E</td>
</tr>
<tr>
<td>747122, 747214</td>
<td>15</td>
<td>-</td>
<td>743311AB</td>
<td>B</td>
</tr>
<tr>
<td><strong>For TEMPOSOFT 2</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>747800, 747801, 748800, 749422, 749428, 749429, 749870</td>
<td>30</td>
<td>-</td>
<td>743743</td>
<td>F</td>
</tr>
<tr>
<td><strong>For TEMPOMIX</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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)</td>
<td>30</td>
<td>753790</td>
<td>743790</td>
<td>G</td>
</tr>
<tr>
<td>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)</td>
<td>30</td>
<td>753790</td>
<td>743797</td>
<td>H</td>
</tr>
<tr>
<td>796152, 796159, 796202, 796209</td>
<td>30</td>
<td>753790</td>
<td>743797</td>
<td>G</td>
</tr>
<tr>
<td><strong>For TEMPOMIX 3</strong></td>
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</tr>
<tr>
<td>794450, 794400, 794470, 7944218, 7944219</td>
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<td>-</td>
<td>743899</td>
<td>I</td>
</tr>
<tr>
<td><strong>For SPORTING</strong></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>713000, 714000, 714002</td>
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<td>-</td>
<td>743714</td>
<td>J</td>
</tr>
<tr>
<td>Starter only for: ditto</td>
<td>-</td>
<td>-</td>
<td>714764</td>
<td>-</td>
</tr>
<tr>
<td>714700</td>
<td>30</td>
<td>-</td>
<td>743715</td>
<td>J</td>
</tr>
<tr>
<td>Starter only for: 714700</td>
<td>-</td>
<td>-</td>
<td>714765</td>
<td>K</td>
</tr>
<tr>
<td>Recessed nozzle: conical flow</td>
<td>-</td>
<td>-</td>
<td>714BE</td>
<td>-</td>
</tr>
<tr>
<td>Recessed nozzle: rain-effect</td>
<td>DP</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>714732, 714735</td>
<td>30</td>
<td>-</td>
<td>743716</td>
<td>-</td>
</tr>
<tr>
<td>714732AB, 714735AB</td>
<td>30</td>
<td>-</td>
<td>743716AB</td>
<td>-</td>
</tr>
<tr>
<td><strong>For OUTDOOR shower column</strong></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>717510, 717511, 717520, 717521, 717540 (shower)</td>
<td>15</td>
<td>-</td>
<td>743742</td>
<td>-</td>
</tr>
<tr>
<td>717511, 717521 (foot-rinse)</td>
<td>3</td>
<td>-</td>
<td>743744</td>
<td>-</td>
</tr>
</tbody>
</table>

**Control plate**

For TEMPOMIX 3 recessed: 794PLAQ L

**Thermostatic cartridge**

**SECUROTHERM shower panel**

<table>
<thead>
<tr>
<th>Cartridges</th>
<th>Time flow (sec.)</th>
<th>Maintenance kit</th>
<th>Complete cartridge</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>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</td>
<td>30</td>
<td>743792</td>
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</table>
## THERMOSTATIC MIXERS

<table>
<thead>
<tr>
<th>Repair kit</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>731052, 731053</td>
<td>A</td>
</tr>
<tr>
<td>731054, 731055</td>
<td>B</td>
</tr>
<tr>
<td>731002, 731200, 731003, 731300</td>
<td>A</td>
</tr>
<tr>
<td>731004, 731400, 731005, 731500</td>
<td>B</td>
</tr>
<tr>
<td>733015, 733016, 733020, 733021 (old design)</td>
<td>C</td>
</tr>
<tr>
<td>733015, 733020 (new design)</td>
<td>-</td>
</tr>
<tr>
<td>732012, 732016, 732115, 732116, 732216</td>
<td>D</td>
</tr>
<tr>
<td>Connection kit ⅜&quot; for 732216</td>
<td>E</td>
</tr>
</tbody>
</table>

## URINALS

### Cartridges

<table>
<thead>
<tr>
<th>Time Flow (sec.)</th>
<th>Maintenance kit</th>
<th>Complete cartridge Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>For TEMPOSTOP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>777000, 778000</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>779000</td>
<td>?</td>
<td>-</td>
</tr>
<tr>
<td>77980X</td>
<td>?</td>
<td>-</td>
</tr>
<tr>
<td>779128, 779427</td>
<td>?</td>
<td>-</td>
</tr>
<tr>
<td>777200, 777924, 538300, 538350, 538400, 538450</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>For TEMPOSOFT 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>777130, 777140, 777800, 778800</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>For TEMPOFLUX</td>
<td></td>
<td></td>
</tr>
<tr>
<td>778755, 778757, 778700</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>778755, 778757, 778700</td>
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<td>-</td>
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</table>

### Control plate

| TEMPOFLUX recessed | 778PIS |

### WCs

#### Cartridges

<table>
<thead>
<tr>
<th>Time Flow (sec.)</th>
<th>Maintenance kit</th>
<th>Complete cartridge Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>For TEMPOCHASSE</td>
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<tr>
<td>760000, 760004, 760005, 760450</td>
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<td>753777</td>
</tr>
<tr>
<td>760150, 760220, 760605, 760627, 760700</td>
<td>?</td>
<td>753777</td>
</tr>
<tr>
<td>760410</td>
<td>?</td>
<td>753777</td>
</tr>
<tr>
<td>For TEMPOFLUX</td>
<td></td>
<td></td>
</tr>
<tr>
<td>761000, 761001, 761002, 761003, 761004, 761025</td>
<td>?</td>
<td>753761</td>
</tr>
<tr>
<td>761627, 761900, 761920</td>
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<tr>
<td>761150, 761200, 761700</td>
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<tr>
<td>For TEMPOFLUX 2</td>
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<tr>
<td>762901, 762902, 576211, 578300, 578305, 792150</td>
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<tr>
<td>576227, 578400, 578405</td>
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<tr>
<td>For TEMPOFLUX 3</td>
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<tr>
<td>763000, 763030, 763040, 763041, 763256, 763266</td>
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</tbody>
</table>

### Control plates

#### TEMPOFLUX 3 recessed

- Satin stainless steel: 763PIM
- Chrome-plated metal: 763PMM
- Black glass: 763PVM
AERATORS, FLOW STRAIGHTENERS, FILTERS, SCREWS, OTHER

<table>
<thead>
<tr>
<th>Spare parts</th>
<th>Repair kit</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scale-resistant aerators</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F22 with ECO washer (2 per pack)</td>
<td>925622.2P</td>
<td>A</td>
</tr>
<tr>
<td>M24 with ECO washer (2 per pack)</td>
<td>925624.2P</td>
<td>B</td>
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<tr>
<td>Comfort aerators</td>
<td></td>
<td></td>
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<tr>
<td>M16.5×100 (2 per pack)</td>
<td>925616.2P</td>
<td>C</td>
</tr>
<tr>
<td>Removal key</td>
<td>222429</td>
<td>D</td>
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<tr>
<td>ECO aerators 1.4 lpm</td>
<td></td>
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<tr>
<td>M24×100 (2 per pack)</td>
<td>925724.2P</td>
<td>E</td>
</tr>
<tr>
<td>M16.5×100 (2 per pack)</td>
<td>925716.2P</td>
<td>F</td>
</tr>
<tr>
<td>Flow straighteners at 3 lpm adjustable with 2.5mm Allen key</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F22×100 with adjustable flow rate (2 per pack)</td>
<td>922022.2P</td>
<td>G</td>
</tr>
<tr>
<td>M24×100 with adjustable flow rate (2 per pack)</td>
<td>922024.2P</td>
<td>H</td>
</tr>
<tr>
<td>Key to adjust (2.5mm Allen key)</td>
<td>C282025</td>
<td>K</td>
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<tr>
<td>Flow straighteners</td>
<td></td>
<td></td>
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<tr>
<td>Ø 18 for TEMPOSTOP 2 and TEMPOX2</td>
<td>7008J</td>
<td>-</td>
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<tr>
<td>Ø 13mm for TEMPOSTOP and TEMPOSOFT 2</td>
<td>B113V</td>
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<tr>
<td>M16.5×100 (2 per pack)</td>
<td>922016.2P</td>
<td>I</td>
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<tr>
<td>Removal key for flow straightener M16.5×100</td>
<td>222429</td>
<td>D</td>
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<tr>
<td>BIOSAFE outlet</td>
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<tr>
<td>M16.5×100 (2 per pack)</td>
<td>923016.2P</td>
<td>J</td>
</tr>
<tr>
<td>Removal key</td>
<td>222429</td>
<td>D</td>
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<tr>
<td>Flat filter washers</td>
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<td></td>
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<tr>
<td>Nylon, mesh 0.5mm for nuts ⅛&quot; (10 per pack)</td>
<td>60212.10P</td>
<td>L</td>
</tr>
<tr>
<td>Nylon, mesh 0.5mm for nuts ⅜&quot; (10 per pack)</td>
<td>60234.10P</td>
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<tr>
<td>Conical filter 0.5mm mesh for nuts ⅛&quot; (10 per pack)</td>
<td>60438.10P</td>
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<td>Non-return valves</td>
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<td>DW15</td>
<td>900015</td>
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<tr>
<td>DW20</td>
<td>900020</td>
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<tr>
<td>Tamperproof screws TORKX M5 × 25 + metal plugs (4 per pack)</td>
<td>999049</td>
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<tr>
<td>Reinforced fixings kit for deck-mounted basin controls</td>
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<tr>
<td>Fixing plate</td>
<td>256P</td>
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<tr>
<td>Fixing plate with threaded rods</td>
<td>256FIX</td>
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BINECO CONTROLS

<table>
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<tr>
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<tbody>
<tr>
<td>BINECO shower, water fountain tap and bubbler</td>
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<tr>
<td>For shower push-starter 83000, 84000, 83APL, 84APL</td>
<td>KBP311N</td>
<td>M</td>
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<tr>
<td>For water fountain tap and bubbler 311, 312, 319, 322, 323.</td>
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</tbody>
</table>

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 | | |
|----------------------------------|------|
| F½" - H.90 | 23015 | N |
| F¼" - H.92 | 23020 | N |
| F1¼" - H.98 | 23026 | N |
| F1½" - H.103 | 23033 | N |
**Solenoid Valves**

For basins, showers, urinals and WCs

- 12V MM½" for TEMPOMATIC showers or urinals 495626 A
- 12V MM¾" for TEMPOMATIC showers or urinals 495612 A
- 12V MM1" for 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 MM½" for TEMPOMATIC 1 and 2 and BINOPTIC 495606 -
- 6V MM½" for TEMPOMATIC and SECURITHERM shower panels 479662 -
- 6V for SPORTING 2 and SPORTING 2 SECURITHERM 479661 -
- 6V MM½" SECURITHERM recessed for showers 479665 -
- 6V MM½" 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"-F1¼" for WC with backflow prevention device and stopcock for TEMPOMATIC multifunction unit and TEMPOMATIC WC 4635RH -

**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/hyphen.caseP2
   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, 4315BOX, 778BOX, 794BOX1, 794BOX3
   430CLE G
BINOPTIC MIX 2 basin mixer Ø15 sat st st mains, stopcock 43
BINOPTIC MIX 2 basin mixer Ø15 sat st st mains + transformer 43
BINOPTIC MIX 2 basin mixer Ø15 saff st st mains, stopcock 44
BINOPTIC MIX 2 basin mixer Ø15 saff st st mains + transformer 44

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<th>DESCRIPTION</th>
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<td>TEMPOSTOP 1 1/4&quot; rec/cross wall cartridge ~7sec time flow</td>
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<td>743622</td>
<td>TEMPOSTOP 2 WC 3/4&quot; rec/cross wall cartridge/frame 10-25mm ~7sec</td>
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<td>743643</td>
<td>TEMPOSTOP 3/4&quot; rec/cross wall shower cartridge ~30sec time flow</td>
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<tr>
<td>743644</td>
<td>TEMPOSTOP 3/4&quot; rec/cross wall shower cartridge ~30sec time flow</td>
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<td>743645</td>
<td>TEMPOSTOP 3/4&quot; rec/urinal cartridge ~7sec time flow</td>
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<td>743677</td>
<td>TEMPOSTOP 2 WC 3/4&quot; rec/cross wall frame 30-60mm ~7sec</td>
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<td>743700</td>
<td>TEMPOSTOP 3/4&quot; exposed shower cartridge ~30sec time flow</td>
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<td>743705</td>
<td>TEMPOSTOP 11/14&quot; lever operated cartridge ~7sec time flow</td>
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<td>743707</td>
<td>TEMPOSTOP 3/4&quot; spigot action urinal cart ~7sec time flow</td>
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<td>743714</td>
<td>SPORTING wall mounted shower cartridge ~30sec time flow</td>
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<td>743715</td>
<td>SPORTING shower panel cartridge ~30sec time flow</td>
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<td>SPORTING SECURICARTRIDGE shower panel, time flow ~30sec</td>
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<td>743716AB</td>
<td>SPORTING SECURICARTRIDGE AB shower panel, time flow ~30sec</td>
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<td>743732</td>
<td>Repair kit for PREMIK NANO</td>
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<td>743741</td>
<td>TEMPOSTOP urinal cartridge ~7sec time flow</td>
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<td>743742</td>
<td>TEMPOSTOP basin cartridges ~15sec time flow</td>
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<td>743743</td>
<td>TEMPOSTOP shower cartridges ~30 sec time flow</td>
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<td>743744</td>
<td>TEMPOSTOP urinal cartridge ~30sec time flow</td>
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<td>743747</td>
<td>TEMPOSTOP basin cartridge ~7sec time flow</td>
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<td>743748</td>
<td>TEMPOSTOP 3/4&quot; exposed shower cartridge ~30sec time flow</td>
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<td>743761</td>
<td>TEMPOSTOP LC WC 3/4&quot; exp. flush/vc cartridge ~7sec time flow</td>
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<td>743763</td>
<td>TEMPOSTOP LC WC 3/4&quot; exp. w-c lid flush/vc cartridge ~7sec time flow</td>
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<td>743765</td>
<td>Recessed TEMPOSTOP 3 cartridges, dual flush 3L/6L</td>
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<td>TEMPOSTOP exposed urinal cartridge ~7sec time flow</td>
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<td>TEMPOSTOP exposed urinal cartridge ~8sec time flow</td>
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<td>TEMPOSTOP 3/4&quot; WC cartridge ~7sec time flow</td>
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<td>743780</td>
<td>TEMPOSTOP wall mounted basin cartridge ~7 sec time (new design)</td>
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<td>743790</td>
<td>TEMPOSTOP shower cartridge time flow ~30sec (old design)</td>
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<td>743791</td>
<td>TEMPOSTOP basin cartridge, time flow ~7 sec (new design)</td>
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<td>743795</td>
<td>TEMPOSTOP basin cartridge ~7 sec time flow</td>
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<td>743796</td>
<td>TEMPOSTOP wall mounted basin cartridge ~7 sec (old design)</td>
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<td>743798</td>
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<td>743799</td>
<td>TEMPOSTOP 3 shower time flow ~90 sec</td>
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<td>743800</td>
<td>TEMPOSTOP basin tap M1/2&quot; inline ~7sec time flow</td>
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<td>743894AB</td>
<td>TEMPOSTOP 3 AB basin cartridge ~7sec time flow, V2</td>
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<tr>
<td>743889</td>
<td>TEMPOSTOP 3 shower cartridge time flow ~30 sec, V2</td>
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<td>743902</td>
<td>TEMPOSTOP 2 / TEMPOSTOP 3 basin cartridge ~15sec time flow</td>
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<td>743903</td>
<td>TEMPOSTOP 2 / TEMPOSTOP 2 basin cartridge ~15sec time flow, V2</td>
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<td>TEMPOSTOP 2 / TEMPOSTOP 2 AB basin cartridge ~15sec, V2</td>
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<td>743907</td>
<td>TEMPOSTOP 2 / TEMPOSTOP 2 basin cartridge ~7 sec time flow</td>
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<td>Replaced by 7902504</td>
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<td>79035015</td>
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<td>SECURITHERM therm shower mix M3/4” for panels 8-hyphen.case16mm ~30sec time flow</td>
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DELABIE / Terms and Conditions of Sale

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 claim that may arise from clauses in their own documentation which may differ.

The customer agrees to these terms from the moment that receive the order, which cannot be cancelled. Orders are accepted without obligation to deliver the order in full in one delivery. Our 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 quotations do not amount to specifications; specialists 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, other taxes, according to the prevailing economic conditions.

Price increases will be announced one month prior to the application, and they apply to quotes and orders in hand.

PAYMENTS:
Terms of payments are confirmed when an account to their application, and they apply to quotes and orders in hand.

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 rejected.

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 transaction. The carrier is solely responsible for their delivery, and in the event of delay, missing items, damage or other damage, 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 warranted 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 and is not applicable to damage caused by risks of manufacturing or where the cost of returning products to our workshops.

Disasters or major water damage as a result of non-compliance with installation and handling charges and the cost of returning products to our workshops shall be charged to the buyer.

To invoke the warranty, the customer must immediately notify us in writing of the defects attributed to the product, specifying the condition 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 specific 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 liability is excluded in all cases listed above. It shall correspond 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 damages 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 fulfil the obligations set out in chapter 2 Art. 13 of the Medical Devices Regulation (MDD) (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 customers who have purchased products from the Reseller, together with the dates of delivery 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 described in the technical documentation.

This vigilance will focus in particular on expiry dates, with the removal of out-of-date products from the shelves, as well as maintaining the 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.


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 of all or some of the products 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 the operation of the medical devices are responsible for fulfilling the duties concerning the recall of the Products.

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.

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 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
CONTENT:

INTELLECTUAL PROPERTY AND USE OF CONTENT:

The content (including but not limited to the information, text, graphics, data, images, photos, visuals, videos and soundtrack, and the format of all these elements and our catalogues, websites, etc.) are protected under copyright and/or other intellectual property. The contents are the sole property of their respective editors. Any copying, reproduction, use, adaptation, alteration, modification, translation, dissemination, complete or partial, of content, whether they belong to DELABIE or a third party, is illegal except for the limiting rights that are granted below, and/or private copying for the exclusive use of the copier. The content presented in our communication and business tools may be subject to change without notice and without recourse.

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.

PHOTOGRAPHS AND DRAWINGS:

All photos, drawings or illustrations are for illustrative purposes only, without contractual value, and may be subject to change without notice.

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