

PRODUCT GUIDE

JUNE 2018



WATER CONTROLS FOR A MODERN WORLD

RELIANCE

TEMPERATURE
CONTROL

FLOW
CONTROL

HEATING SYSTEM
COMPONENTS

WASHROOM
SYSTEMS

HEATING & COOLING
DISTRIBUTION SYSTEMS

PLUMBING
SYSTEMS

THE WORLD LEADER IN WATER CONTROL.

Water is a fundamental resource and necessary in every type of modern building. The demands we place on this resource are great and often complex, requiring immediate performance at the right temperature and pressure with no risk of harm. At Reliance UK, we understand why, where and how water needs to move around a building; using our knowledge to ensure it can be provided safely and securely, without a second thought required from any user.

As part of a global business, we have a wealth of expertise to draw upon in the development of water management systems. Our innovative quality solutions are designed and built to last, performing safely and efficiently in buildings where people live, work and play, from leisure facilities to hospitals and state-of-the-art offices.

Our insight and understanding of water management systems means that even the most complex system won't hinder an architect's vision, and the design and quality of our solutions will always satisfy a specifier's demand for form and function.

Reliance UK are masters in the management of water within the modern built environment.

PRODUCT RATING.

By means of helping our customers select the most suited product for their project, we have split our range into three distinct categories; Premium, Advanced and Essentials. With varying product capabilities and benefits, our range will help you tailor the product to the project itself, not the other way round.



PREMIUM

Products designed by Reliance to meet the most exacting of performance and legislative requirements with enhanced designs to deliver premium features and benefits.



ADVANCED

Our intermediate range of plumbing and heating products with additional features to enhance performance or installation.



EVERYDAY

A range of everyday plumbing and heating products which deliver great performance from water supply to outlet.

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TEMPERATURE CONTROL

Reliable water temperature controls for optimum safety and comfort

- 5 Thermostatic Mixing Valves
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- 10 Thermal Balancing Valves



FEATURED PRODUCT:

Heatguard® Dual



A TMV2 & TMV3 approved Thermostatic Mixing Valve compliant with both NHS model engineering specification code D08 and BSEN 1111. The Heatguard® Dual enables accurate temperature control to protect the end user from extreme water temperatures. The valve comes complete with either 2 in 1 fittings which include check valves and strainers, or 4 in 1 fittings which incorporate the check valves and strainers plus isolators and test ports.

Spotlight Features:



CAP

Unique purpose-built adjuster tool prevents unauthorised tampering



UNION CONNECTORS

Union connections give total installation flexibility

Other Features & Benefits:

- Fully approved by Buildcert and the TMV3 scheme for basin, bidet, shower and high pressure bathfill applications
- Rapid failsafe on either hot or cold supply failure
- Provides stable mixed water temperature
- Building Regulations Part G and D08 compliant
- Available with 15mm, 22mm and Universal connections, with or without isolating valves
- Scale resistant internal components ensure a long, trouble-free working life



Thermostatic Mixing Valves

Heatguard® TMV3-8

- Fully approved basin, bidet, shower and high pressure bathfill applications
- Union connections give total installation flexibility
- Rapid failsafe on either hot or cold supply failure
- Unique purpose built adjuster tool prevents unauthorised tampering

Product	Lpm	Size	Code
Heatguard® TMV3-8 - 2 in 1	37 at 2.5 bar	15mm	HEAT160015
Heatguard® TMV3-8 - 2 in 1	37 at 2.5 bar	22mm	HEAT160020
Heatguard® TMV3-8 - 2 in 1 Universal	37 at 2.5 bar	15/22mm	HEAT160005
Heatguard® TMV3-8 - 4 in 1	37 at 2.5 bar	15mm	HEAT160030
Heatguard® TMV3-8 - 4 in 1	37 at 2.5 bar	22mm	HEAT160035
Heatguard® TMV3-8 Base Valve	37 at 2.5 bar	1"	HEAT160001
Potable water brass adaptor			ZADP110780

SPECIFIERS TEXT: The Thermostatic Mixing Valve (TMV) must be TMV3 accredited, WRAS approved and comply with BS7942 & HTM041-01 D08. The TMV should supply 37 lpm flow at 2.5bar pressure loss. The interior seals must be Viton material. The water inlets must include integral isolation ball valves, strainers and check valves with gauge and flushing points. Compression style connections with integrated flat faced unions on all connections & scale resistant internal components are also required.



Heatguard® TMV3-8 Spares

Product	Code
Heatguard® TMV3-8 2 in 1 adaptor service kit	SKIT219053
Heatguard® TMV3-8 4 in 1 adaptor service kit	SKIT300020
Heatguard® TMV3-8 full internal service kit	SKIT170015
Heatguard® TMV3-8 replacement cap	ZCAP160001
Heatguard® TMV3-8 temperature adjusting key	ZKEY110001



Heatguard® Dual

- Rapid failsafe on either hot or cold supply failure
- Provides stable mixed water temperature
- Tamperproof cap
- Flat faced union connections for ease of maintenance
- Part G and D08 compliant
- Available in 15mm, 22mm and universal connections, with or without isolating valves
- Scale resistant internal components ensure a long, trouble-free working life

Product	Lpm	Size	Code
Heatguard® Dual - 2 in 1	35 at 2.5 bar	15mm	HEAT110614
Heatguard® Dual - 2 in 1	35 at 2.5 bar	22mm	HEAT110624
Heatguard® Dual - 2 in 1 Universal	35 at 2.5 bar	15/22mm	HEAT110615
Heatguard® Dual - 4 in 1	35 at 2.5 bar	15mm	HEAT110616
Heatguard® Dual - 4 in 1	35 at 2.5 bar	22mm	HEAT110625
Heatguard® Dual - 4 in 1 Universal	35 at 2.5 bar	15/22mm	HEAT110617
Potable water brass adaptor			ZADP110780

SPECIFIERS TEXT: The Thermostatic Mixing Valve (TMV) must be TMV3 & TMV2 accredited, WRAS approved and comply with BSEN 1111, BSEN 1287, BS7942 and HTM04-01 D08 and comply with Part G3 UK building regulations. The TMV should supply 37 lpm at 2.5bar pressure loss, have a tamperproof cap the acts as a temperature adjustment tool. The interior seals must be Viton and the internal components must be scale resistant. The water inlets must be compression style with flat faced union connections and include integral isolation ball valves, strainers, check valves with gauge and flushing points.



Thermostatic Mixing Valves

Heatguard® Dual Spares



Product	Size	Code
Heatguard® Dual full internal service kit	15/22mm	SKIT110600
Heatguard® Dual seal service kit	15/22mm	SKIT110605
Heatguard® Dual 2 in 1 service kit	15/22mm	SKIT110610
Heatguard® Dual 4 in 1 service kit	15/22mm	SKIT110615
Heatguard® Dual replacement cap	15/22mm	ZCAP110600

Heatguard® Style

A compact thermostatic mixing valve with highly polished chrome finish. Fits easily within front of wall supply to outlets, and complies with D08 to provide supreme anti-scalding protection. Easy to access and maintain with a smart, streamlined appearance to compliment high quality finish of the washroom or bathroom. Ideal for high specification bathrooms and washrooms.



High quality chrome polished finish

Ideal for high specification washrooms where the TMV will be front of wall.



Includes check valves and strainers

Fully serviceable, ensuring a long working life



Other features:

- D08 compliant
- Rapid failsafe on either hot or cold supply failure
- Provides stable mixed water temperature
- Minimum flow rate 2 lpm

Product	Size	Code
Heatguard® Style TMV3	15mm	HEAT135001
Heatguard® Style TMV3	15mm Push-fit	SBHEAT135001

SPECIFIERS TEXT: The thermostatic mixing valve must be a Type 3, WRAS approved, BS7942 and HTM0401 D08 compliant. Must be polished chrome finish, with hot & cold inlet connection side by side, 84mm in length, capable of working at 2 lpm.



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Thermostatic Mixing Valves

Ausimix® Compact

- Rapid fail-safe on either hot or cold supply failure
- Provides stable mixed water temperature
- Unique temperature adjustment tool incorporated into the cap
- Part G and D08 compliant
- Flat faced union connections for ease of maintenance

Product	Lpm	Size	Code
Ausimix® Compact - 2 in 1	35 at 2.5 bar	15mm	HEAT110750
Ausimix® Compact - 2 in 1	35 at 2.5 bar	22mm	HEAT110755
Ausimix® Compact - 2 in 1	36 at 2.5 bar	15mm pushfit	SBHEAT110750
Ausimix® Compact - 2 in 1	36 at 2.5 bar	22mm pushfit	SBHEAT110755
Ausimix® Compact - 4 in 1	35 at 2.5 bar	15mm	HEAT110780
Ausimix® Compact - 4 in 1	35 at 2.5 bar	22mm	HEAT110785
Ausimix® Compact - 4 in 1	36 at 2.5 bar	15mm pushfit	SBHEAT110780
Ausimix® Compact - 4 in 1	36 at 2.5 bar	22mm pushfit	SBHEAT110785
Ausimix® full internal service kit			SKIT110700
Ausimix® seal service kit			SKIT110605
Ausimix® 2 in 1 service kit		15mm	SKIT110610
Ausimix® 2 in 1 service kit		22mm	SKIT110710
Ausimix® 4 in 1 service kit		15mm	SKIT110715
Ausimix® 4 in 1 service kit		22mm	SKIT110720
Ausimix® replacement cap			ZCAP110700
Ausimix® 3/4" fibre washer		3/4"	ZWAS110705
Ausimix® 1" fibre washer		1"	ZWAS110700
Potable water brass adaptor		1/4" MBSP x 15mm	ZADP110780



Ausimix® Compact Telescopic

- Designed with retro-fit applications in mind, the telescopic union connectors provide greater flexibility and adjustment
- Telescopic connectors are adjustable by 10mm on either inlet
- Rapid failsafe on either hot or cold supply failure
- Provides stable mixed water temperature
- Unique temperature adjustment tool incorporated into the cap
- Part G and D08 compliant
- Flat faced union connections for ease of maintenance
- Inlets house check valve and strainer
- Bodies are nickel plated DZR brass

Product	Lpm	Size	Code
Ausimix® Compact Telescopic - 2 in 1	35 at 2.5 bar	15mm	HEAT110751



Thermostatic Mixing Valves

Heatguard® BF2-2 Sports

- Specifically designed to give high flow rates on low pressure systems
- Ideal for fitting to baths in low pressure systems to comply with Part G regulations
- Technically advanced construction means longer life and reduced maintenance intervals

Product	Lpm	Size	Code
Heatguard® BF2-2 - 2 in 1	85 at 2.5 bar	22mm	HEAT115100
Heatguard® BF2-2 - 4 in 1	85 at 2.5 bar	22mm	HEAT115105
Heatguard® BF2-2 full internal service kit			SKIT115001
2 in 1 adaptor service kit			SKIT219053
4 in 1 adaptor service kit			SKIT300020
Potable water brass adaptor			ZADP110780

SPECIFIERS TEXT: The Thermostatic Mixing Valve (TMV) must be TMV2 accredited, WRAS approved and comply with BSEN 1111, BSEN 1287 and Part G3 of UK building regulations. In addition, the TMV must provide 85 lpm flow at 2.5bar pressure loss. The seals must be Viton and the internal components must be scale resistant. The water inlets must have isolation ball valves, integral strainers and check valves with gauge and flushing points. Compression style connections with integrated flat faced unions on all connections.



Euromixer®

- Adjustable or lockable temperature control gives complete flexibility to the installer
- High flow rates suitable for feeding 1 - 10 showers or taps
- 1" x 1" or 1" x 1¼" Female BSP connections to suit all types of pipework
- 4 in 1 services fittings provided isolation, filtration, cross-flow prevention and a gauge port for testing in a single compact unit

Product	Lpm	Size	Code
Euromixer® 630 group mixing valve - 4 in 1	120 at 2.5 bar	1" FBSP	HEAT630100
Euromixer® 640 group mixing valve - 4 in 1	150 at 2.5 bar	1¼" FBSP	HEAT640100
Full internal service kit for Euromixer® 630/640			SKIT630001



DID YOU KNOW?

Reliance is one of the world's largest manufacturers of thermostatic mixing valves for sanitary use, manufacturing in excess of 1 million valves every year.

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Small & Large Group Mixing Valves

Heatguard® Planar

- Extremely stable mixed water temperature even under extreme or unusual supply conditions
- Quick reaction wax thermostats provide fine temperature control even with varying outlet flow rates
- Optional user-adjustable or lockable (and tamperproof) temperature controls gives complete flexibility to the end user
- High flow rates for valves in this class

Product	Size	Code
Heatguard® Planar 230 - 4 in 1	15mm	HEAT230100
Heatguard® Planar 330 - 4 in 1	22mm	HEAT330100
Heatguard® Planar 430 - 4 in 1	28mm	HEAT430100
Heatguard® Planar 530 - 4 in 1	28mm inlet x 35mm outlet	HEAT530100
Full internal service kit for Planar 230		SKIT230100
Full internal service kit for Planar 330		SKIT330100
Full internal service kit for 430/530		SKIT430001
Heatguard® Planar 230/330 4 in 1 adaptor service kit		SKIT300020
Heatguard® Planar 430/530 4 in 1 adaptor service kit		SKIT300016



SPECIFIERS TEXT: The group thermostatic mixing valve (TMV) must be high flow and be capable of providing (45 lpm - 230 model, 79 lpm - 330 model, 120 lpm - 430 model, 170 lpm 530 model) at 2.5 bar pressure loss, WRAS approved, chrome plated and come complete with isolating elbows consisting of a full flow chrome-plated ball type isolating valve, check valve and strainer. In addition the valve must include 1/4" BSP test point, fixing kit for wall mounting and have a user adjustable top or bottom connections and lockable temperature control.



Masterguard

- Integrated fixing point allows easy wall or floor fixing
- Designed for very high flow rates, with extremely stable outlet temperature
- Adjustable set temperature mechanism with locking feature, allows installer flexibility
- Minimal moving parts and simple construction reduce maintenance service interval
- 4 in 1 installation fitting provides easy orientation of valve to match inlet pipes, and includes cross-flow prevention, isolation and filtration

Product	Lpm	Size	Code
Masterguard 830 - 4 in 1	120 at 2.5 bar	1" FBSP	MIX83004
Masterguard 840 - 4 in 1	170 at 2.5 bar	1¼" FBSP	MIX84004
Masterguard 850 - 4 in 1	260 at 2.5 bar	1½" FBSP	MIX85004
Masterguard 860 - 4 in 1	360 at 2.5 bar	2" FBSP	MIX86004



SPECIFIERS TEXT: The tempering valve must be WRAS approved, be capable of providing (120 lpm - 830 model, 170 lpm - 840 model, 260 lpm - 850 model or 360 lpm - 860 model) at 2.5 bar pressure loss and come with integrated wall/floor fixing bracket. The water inlets must have isolation ball valves, integral strainers and check valves with gauge and flushing points. FBSP style connections with integrated flat faced unions on the inlet connections.



Heatguard® Tempering Valve

- Pre-set and locked at 55°C
- 22mm direct compression connections
- Tamperproof cap
- Provides stable mixed water temperature
- Easy and quick to install
- Complete with 22mm direct compression connections

Product	Size	Code
Heatguard® Tempering Valve	22mm	HEAT110505



Thermal Balancing Valves

Thermal Balancing Valves

- Easy temperature adjustment between 40 - 65°C with tamperproof cap
- Built-in disinfection function to protect against Legionella
- Supplied pre-insulated reducing installation time and cost
- Dry-fit thermometer - no need to drain the system down

Product	Size	Code
Thermal balancing valve	1/2" FBSP	TREG100060
Thermal balancing valve	3/4" FBSP	TREG100065
Thermal Balancing Valve	15mm	SBTREG100060
Thermal Balancing Valve	22mm	SBTREG100065
Spare Temperature Gauge		GAGE100060
Spare insulation case	1/2"	INSU100060
Spare insulation case	3/4"	INSU100065

SPECIFIERS TEXT: The Thermostatic Balancing Valve (TBV) must be WRAS approved, automatically operated, with adjustable temperature settings from 40 - 65 Degrees Celsius and include an integral disinfection function. Designed to give continuous flow even when the set temperature is achieved and be able to be installed in any orientation. The product must be supplied with an insulation jacket, identification tag and have a removable thermometer that sits within a dry pocket. Viton seals must be used and all connections must be FBSP.



Thermometers and Probes

Product	Code
Thermometers and Probes Temperature readout with probe	READ500005
Thermometers and Probes Temperature probe plug socket	PLUG500001



DID YOU KNOW?

Our products have been specified in **First Street**, the new work and leisure complex in Manchester city centre.

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FLOW CONTROL

Precision controls to regulate water flow and pressure for safe operating conditions.

- 13 Pressure Reducing Valves
- 16 Pressure Gauge
- 16 Ball Valves
- 17 Strainers & Isolators
- 19 Water Meters
- 21 Backflow Prevention



FEATURED PRODUCT:

312 Compact Series PRV

A range of domestic pressure reducing valves, compact in design and adjustable between 1.5 - 6.0 bar. All working components are contained in cartridge form with two downstream test points.

Spotlight Features:



ONE-PIECE CARTRIDGE

One-piece, easy to replace cartridge contains all working parts



GAUGE PORTS

Located on either side of the base of valve



Other Features & Benefits:

- Drop tight valve: controls the pressure under both flow and no-flow conditions
- Fully serviceable integral strainer to protect the seat of the valve
- Installation flexibility: can be installed in any orientation and is available in both hot and cold versions



Pressure Reducing Valves

312 Compact Series

- Drop tight valve - controls the pressure under flow and no-flow conditions
- One piece, easy to replace cartridge contains all working parts
- Integral strainer to protect the seat of the valve and is fully serviceable
- Installation flexibility - can be installed in any orientation
- Gauge ports located on either side of the base of the valve

For up to 16 bar and 45°C. Adjustable between 1.5 - 6.0 bar.

Product	Size	Code
312 Compact Series	1/2" FBSP	PRED312020
312 Compact Series	3/4" FBSP	PRED312025
312 Compact Series	1/2" MBSP union	PRED312001
312 Compact Series	3/4" MBSP union	PRED312005
312 Compact Series	15mm comp	PRED312010
312 Compact Series	22mm comp	PRED312015
312 Compact Series with gauge	15mm comp	PRED312061
312 Compact Series with gauge	22mm comp	PRED312066



For up to 16 bar and 80°C. Adjustable between 1.5 - 6.0 bar.

Product	Size	Code
312 Compact Series	1/2" FBSP	PRED312070
313 Compact Series with gauge	1/2" FBSP	PRED312071
312 Compact Series	3/4" FBSP	PRED312075
313 Compact Series with gauge	3/4" FBSP	PRED312076
312 Compact Series	1/2" MBSP union	PRED312050
312 Compact Series	3/4" MBSP union	PRED312055
312 Compact Series	15mm comp	PRED312060
312 Compact Series	22mm comp	PRED312065



SPECIFIERS TEXT: Product code: PRED 312compact (select appropriate) WRAS approved pressure reducing valve, and all working components contained in a cartridge form with two downstream test points, one either side, suitable for domestic applications.



314 Series Dial-up

- One piece, easy to replace cartridge contains all the working components
- Suitable for hot and cold water applications for installation flexibility
- Easy to read pressure indicator dial
- Integral strainer to protect the cartridge and the installation
- MBSP connection complete with union fitting for ease of servicing
- Can be installed in any orientation
- Also available with SharkBite® push-fit connectors for even quicker installation

For up to 25 bar and 70°C. Adjustable between 1.0 - 6.0 bar.

Product	Size	Code
Adjustable PRV 314F dial-up	1/2" FBSP	PRED314001
Adjustable PRV 314F dial-up	3/4" FBSP	PRED314005
Adjustable PRV 314P dial-up	15mm pushfit	SBPRED314001
Adjustable PRV 314P dial-up	22mm pushfit	SBPRED314005
Adjustable PRV 314M dial-up	1/2" MBSP	PRED314010
Adjustable PRV 314M dial-up	3/4" MBSP	PRED314015



Pressure Reducing Valves

Easetet® 320 Series

- High flow rate design
- 'Lift and turn' mechanism for ease of pressure adjustment
- One piece Easetet cartridge
- Fully serviceable strainer
- Can be installed in any orientation
- MBSP connection complete with union fitting for ease of servicing
- Drop tight valve, controls the pressure under both flow and no-flow conditions
- Single gauge port on the base of the valve
- Available with SharkBite® Metal Push-fit connections for even quicker installation

For up to 16 bar and 45°C. Adjustable between 1.5 - 6.0 bar.

Product	Size	Code
Adjustable PRV 320F	½" FBSP	PRED320001
Adjustable PRV 320F	¾" FBSP	PRED320005
Adjustable PRV 320P	15mm pushfit	SBPRED320001
Adjustable PRV 320P	22mm pushfit	SBPRED320005
Adjustable PRV 320M	½" MBSP	PRED320003
Adjustable PRV 320M	¾" MBSP	PRED320011
Adjustable PRV 320C	15mm comp	PRED320010
Adjustable PRV 320C	22mm comp	PRED320015



For up to 16 bar and 80°C. Adjustable between 1.5 and 6.0 bar.

Product	Size	Code
Adjustable PRV 320F	½" FBSP	PRED320050
Adjustable PRV 320F	¾" FBSP	PRED320055
Adjustable PRV 320P	15mm pushfit	SBPRED320050
Adjustable PRV 320P	22mm pushfit	SBPRED320055
Adjustable PRV 320M	½" MBSP	PRED320051
Adjustable PRV 320M	¾" MBSP	PRED320056
Adjustable PRV 320C	15mm comp	PRED320060
Adjustable PRV 320C	22mm comp	PRED320065



SPECIFIERS TEXT: The pressure reducing valve (PRV) must be WRAS approved, rated to 16 bar working pressure have a lift and turn adjustment mechanism between 1.5 and 6 bar, full flow strainer and all working components contained in an Easi-set cartridge with downstream test point (select appropriate range code).



Predator PRV

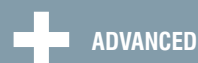
- For use at temperatures up to 80°C
- Adjustable between 1.0 - 6.0 bar
- Drop-tight valve - controls the pressure under both flow and no-flow conditions
- Integral strainer protects the seat of the valve and is fully serviceable
- Can be installed in any orientation providing the ultimate installation flexibility
- Suitable for hot or cold applications

For use at temperatures up to 80°C. Adjustable between 1.0 - 6.0 bar.

Product	Size	Code
Adjustable Predator PRV with gauge	15mm comp	PRED800015
Adjustable Predator PRV with gauge	22mm comp	PRED800020



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Pressure Reducing Valves

Commercial 315i Series

- Easy to read pressure indicator
- Robust design
- Fully serviceable strainer
- Suitable for hot and cold supplies
- Union fitting for ease of servicing
- Can be installed in any orientation
- Also available with SharkBite® push-fit connectors for even quicker installation

For up to 25 bar and 70°C. Adjustable between 1.0 - 6.0 bar.

Product	Size	Code
Adjustable PRV 315i dial-up	½" MBSP union	PRED315010
Adjustable PRV 315i dial-up	¾" MBSP union	PRED315020
Adjustable PRV 315i dial-up	1" MBSP union	PRED315030
Adjustable PRV 315i dial-up	1¼" MBSP union	PRED315040
Adjustable PRV 315i dial-up	1½" MBSP union	PRED315050
Adjustable PRV 315i dial-up	2" MBSP union	PRED315060
Adjustable PRV 315i dial-up	15mm capillary	PRED315070
Adjustable PRV 315i dial-up	22mm capillary	PRED315080
Adjustable PRV 315i dial-up	28mm capillary	PRED315090
Adjustable PRV 315i dial-up	28mm comp	PRED315110

SPECIFIERS TEXT: The Pressure Reducing Valve (PRV) must have WRAS approval for hot & cold water up to 70 degrees Celsius and comply with BSEN 1567. The PRV must be rated to 25 bar inlet pressure. Outlet pressures should be adjustable between 1 - 6 bar and have a lockable adjustment knob. The PRV should have a one piece cartridge containing all functional components with an integral serviceable strainer and a rotatable sleeve with a set pressure indicator. The PRV should be supplied with two downstream test points with brass plugs.



Commercial / Industrial 6247 Series

- Manufactured in corrosion resistant bronze
- Accurate pressure control, adjustable between 1.5-6.0 bar
- Robust design
- All working components contained in a single cartridge
- Test point on base of valve
- Can be installed in any orientation

For up to 16 bar and 60°C. Adjustable between 1.5 - 6.0 bar.

Product	Size	Code
6247 Adjustable PRV	DN 65	PRED624001
6247 Adjustable PRV	DN 80	PRED624002
6247 Adjustable PRV	DN 100	PRED624003
Mini Test Point Ball Valve	¼" MBSP	BVAL624001

SPECIFIERS TEXT: The Pressure Reducing Valve (PRV) must have WRAS approval for hot & cold water up to 70 degrees Celsius. The PRV must be rated to 16 bar inlet pressure. Outlet pressures should be adjustable between 1 - 6 bar and have a lockable adjustment knob. The PRV should have a one piece cartridge containing all functional components with an integral serviceable strainer. Flanged to PN16.



Replacement Pressure Reducing Valve Cartridges

- Spares for Reliance pressure reducing valves with one piece cartridges and threaded connection
- Care must be taken in selecting the correct cartridge

Product	Size	Code
One piece cartridge for 312 Compact	½" & ¾" 15 & 22mm	REDC312010
One piece Cartridge for 312 Compact	½" & ¾" 15 & 22mm	REDC312015
One piece cartridge for Easiset 320	½", ¾" & 1" 15 & 22mm	REDC320001
One piece cartridge for Easiset 320	½" & ¾"	REDC320002
One piece cartridge for 314 and 315i	½" & ¾"	REDC315010
One piece cartridge for 315i	1"	REDC315020
One piece cartridge for 315i	1¼", 1½" & 2"	REDC315030
One piece cartridge for 6247	DN65, 80, 100	REDC624001



Pressure Gauges

Pressure Gauge

- Wide selection to suit all applications
- Both PSI and BAR registered

Product	Size	Code
40mm dial up to 10.0 bar	¼" MBSP back inlet	GAGE250017
50mm dial up to 4.0 bar	¼" MBSP back inlet	GAGE250007
50mm dial up to 6.0 bar	¼" MBSP back inlet	GAGE250001
50mm dial up to 10.0 bar	¼" MBSP centre back inlet	GAGE250004
50mm dial up to 16.0 bar	¼" MBSP back inlet	GAGE250006
50mm dial up to 6.0 bar	¼" MBSP top inlet	GAGE250016
63mm dial up to 6.0 bar	¼" MBSP back inlet	GAGE250002
63mm dial up to 10.0 bar	¼" MBSP back inlet	GAGE250005
63mm dial up to 6.0 bar	¼" MBSP bottom inlet	GAGE250008
63mm dial up to 10.0 bar	¼" MBSP bottom inlet	GAGE250009



Ball Valves

SharkBite® Quarter Turn Ball Valve Nickel Plated

Product	Size	Code
Quarter Turn Ball Valve Nickel Plated (Blue handle) (To be ordered in multiples of 5)	15mm	SB3515B
Quarter Turn Ball Valve Nickel Plated (Red handle) (To be ordered in multiples of 5)	15mm	SB3515R
Quarter Turn Ball Valve Nickel Plated (Blue handle) (To be ordered in multiples of 5)	22mm	SB3522B
Quarter Turn Ball Valve Nickel Plated (Red handle) (To be ordered in multiples of 5)	22mm	SB3522R



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Strainers & Isolators

Mini Isolating Brass Ball Valves

- Compact, high quality valve gives durability and secure isolation
- Available in nickel or brass finish
- Chrome plated brass ball, encapsulated between two high grade NBR seals, gives smooth operation and reliability
- Compression connections for ease of installation
- Not suitable for chilled water applications
- 16.0 bar maximum working pressure

Product	Size	Code
Isolating ball valve, brass, 10.0 bar	15mm	BVAL201001
Isolating ball valve, nickel plated, 10.0 bar	15mm	BVAL201002
Isolating ball valve, brass, 10.0 bar	22mm	BVAL201003
Isolating ball valve, nickel plated, 10.0 bar	22mm	BVAL201004
Isolating ball valve, nickel plated, 16.0 bar	15mm	BVAL201200



Nickel Plated Brass Ball Valves for Water

- Range of full bore ball valves
- PN25/PN40 FBSP variants available
- Easy to use lever handle with clear colouring to designate usage - red and blue for water in accordance with EN331
- Not suitable for chilled water applications

Product	Size	Code
Female ball valve PN40 - blue handle	1/4"	BVAL400140
Female ball valve PN40 - blue handle	3/8"	BVAL400120
Female ball valve PN40 - blue handle	1/2"	BVAL400001
Female ball valve PN40 - blue handle	3/4"	BVAL400010
Female ball valve PN40 - blue handle	1"	BVAL400020
Female ball valve PN40 - blue handle	1 1/4"	BVAL400030
Female ball valve PN40 - blue handle	1 1/2"	BVAL400040
Female ball valve PN40 - blue handle	2"	BVAL400050
Female ball valve PN25 - blue handle	2 1/2"	BVAL400130
Female ball valve PN40 - red handle	1/4"	BVAL400141
Female ball valve PN40 - red handle	3/8"	BVAL400121
Female ball valve PN40 - red handle	1/2"	BVAL400000
Female ball valve PN40 - red handle	3/4"	BVAL400011
Female ball valve PN40 - red handle	1"	BVAL400021
Female ball valve PN40 - red handle	1 1/4"	BVAL400031
Female ball valve PN40 - red handle	1 1/2"	BVAL400041
Female ball valve PN40 - red handle	2"	BVAL400051
Female ball valve PN25 - red handle	2 1/2"	BVAL400131
Compression ball valve PN25 - blue handle	15mm	BVAL400060
Compression ball valve PN25 - blue handle	22mm	BVAL400070
Compression ball valve PN25 - blue handle	28mm	BVAL400080
Compression ball valve PN25 - blue handle	35mm	BVAL400090
Compression ball valve PN25 - blue handle	42mm	BVAL400100
Compression ball valve PN25 - blue handle	54mm	BVAL400110
Compression ball valve PN25 - red handle	15mm	BVAL400061
Compression ball valve PN25 - red handle	22mm	BVAL400071
Compression ball valve PN25 - red handle	28mm	BVAL400081
Compression ball valve PN25 - red handle	35mm	BVAL400091
Compression ball valve PN25 - red handle	42mm	BVAL400101
Compression ball valve PN25 - red handle	54mm	BVAL400111



SharkBite® Appliance Valve

Product	Size	Code
Appliance valve	15mm	SB2415



Strainers & Isolators

SharkBite® Washing Machine Valve

Product	Size	Code
Washing Machine Valve	15mm x ¼" MBSP	SB241520



SharkBite® Service Valve

Product	Size	Code
Service Valve (To be ordered in multiples of 5)	15mm	SB1915
Service Valve (To be ordered in multiples of 5)	22mm	SB1922



SPECIFIERS TEXT: The appliance valve must be a WRAS approved, nickel plated, with a chrome plated brass ball. Rated to 10 bar with brass push-fit connections suitable for Copper, PEX, Polybutylene and thin wall carbon pipe.

SharkBite® Stop Cocks

Product	Size	Code
Stop cock	15mm	SB1715
Stop cock	22mm	SB1722



SPECIFIERS TEXT: The stop cock must be WRAS approved, made of DZR brass and rated to 10 bar with brass push-fit connections suitable for Copper, PEX, Polybutylene and thin wall carbon pipe.

Draincock with Street End

Product	Size	Code
Draincock with street end (To be ordered in multiples of 5)	15mm	SB1315
Chrome Plated Draincock (To be ordered in multiples of 5)	15mm	SB1315CP



Floreg® Isolating Strainer / Valve

- Serviceable without the need to remove the valve from the installation
- Saves water and energy as well as providing isolation for servicing
- Provides even distribution when supplying multiple outlets
- Precise flow control enables designers to size systems accurately
- 15mm compression connections for ease of installation
- Available with SharkBite® Metal Push-fit connections for even quicker installation
- Can be used for retrofit or new build installations
- Available with flow regulators from 4 lpm to 15 lpm
- The regulators are interchangeable so that alterations in flow rate, to suit customer requirements are quick and easy

Product	Size	Code
Floreg® Isolating Valve/Strainer 4 lpm	15mm	SERV970000
Floreg® Isolating Valve/Strainer 6 lpm	15mm	SERV970001
Floreg® Isolating Valve/Strainer 8 lpm	15mm	SERV970002
Floreg® Isolating Valve/Strainer 10 lpm	15mm	SERV970003
Floreg® Isolating Valve/Strainer 12 lpm	15mm	SERV970004
Floreg® Isolating Valve/Strainer 15 lpm	15mm	SERV970005



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Water Meters

Reliance 100 Single Jet Water Meter - Dry Dial, Cold (up to 30°C)

- Scale resistant integral components give long life and accuracy
- Fully rotational dry dial enables easy reading of meter regardless of installation position
- Compact design for either vertical or horizontal installation
- Silent operation
- Upgradable after installation for pulse output and radio transmission
- WRAS approval pending

Size & Connection	Nominal Flow	Class	Code
½" MBSP Union	1.5m³/h	A	WATM100001
¾" MBSP Union	2.5m³/h	A	WATM100004



Reliance 100 Single Jet Water Meter - Dry Dial, Hot (up to 90°C)

- Scale resistant integral components give long life and accuracy
- Fully rotational dry dial enables easy reading of meter regardless of installation position
- Compact design for either vertical or horizontal installation
- Silent operation
- Upgradable after installation for pulse output and radio transmission
- WRAS approval pending

Size & Connection	Nominal Flow	Class	Code
½" MBSP Union	1.5m³/h	A	WATM110001
¾" MBSP Union	2.5m³/h	A	WATM110004



Reliance 120 Single Jet Water Meter - Dry Dial, Cold (up to 30°C)

- Scale resistant integral components give long life and accuracy
- Fully rotational dry dial enables easy reading of meter regardless of installation position
- Compact design for either vertical or horizontal installation
- Silent operation
- Upgradable after installation for pulse output and radio transmission
- WRAS approval pending

Size & Connection	Nominal Flow	Class	Code
½" MBSP Union	1.5m³/h	A	WATM120001
¾" MBSP Union	2.5m³/h	A	WATM120004



Water Meters

Reliance 125 Single Jet water Meter - Pulse Output, Hot (up to 90°C)

- Scale resistant integral components give long life and accuracy
- Fully rotational dry dial enables easy reading of meter regardless of installation position
- Compact design for either vertical or horizontal installation
- Silent operation
- Upgradable after installation for pulse output and radio transmission
- WRAS approval pending



Size & Connection	Nominal Flow	Class	Code
½" MBSP Union	1.5m ³ /h	A	WATM125001
¾" MBSP Union	2.5m ³ /h	A	WATM125004

Reliance 210 Multi Jet water Meter - Dry Dial, Cold (up to 30°C)

- Highly accurate metering capability at very low flow rates
- Simple construction allows ability to cope with a wide range of water qualities
- Silent operation
- Supplied complete with nuts, tails and washers



Size & Connection	Nominal Flow	Class	Code
½" MBSP Union	1.5m ³ /h	B	WATM210001
¾" MBSP Union	2.5m ³ /h	B	WATM210004
1" MBSP Union	3.5m ³ /h	B	WATM210007
1¼" MBSP Union	6.0m ³ /h	B	WATM210008
1½" MBSP Union	10.0m ³ /h	B	WATM210009
2" MBSP Union	15.0m ³ /h	B	WATM210010

Reliance 210 Multi Jet water Meter - Pulse Output, Dry Dial, Cold (up to 30°C)



Size & Connection	Nominal Flow	Class	Code
½" MBSP Union	1.5m ³ /h	B	WATM210050
¾" MBSP Union	2.5m ³ /h	B	WATM210053
1" MBSP Union	3.5m ³ /h	B	WATM210056
1¼" MBSP Union	6.0m ³ /h	B	WATM210057
1½" MBSP Union	10.0m ³ /h	B	WATM210058
2" MBSP Union	15.0m ³ /h	B	WATM210059

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Backflow Prevention

Reduced Pressure Zone (RPZ) Backflow Preventers

- Incorporates a double check valve with a reduced pressure zone for protection against back pressure and back syphonage
- Protection against fluid category 4 : Type BA
- Verifiable backflow preventer with reduced pressure zone
- All serviceable components can be reached within easy access
- WRAS approval pending

Product	Type	Size	Code
RPZ Backflow Preventor - STBA (Compact Model)	BA	½"	RPZV250001
RPZ Backflow Preventor - STBA (Compact Model)	BA	¾"	RPZV250005
RPZ Backflow Preventor with isolators (Commercial Model)	BA	½"	RPZV255000
RPZ Backflow Preventor with isolators (Commercial Model)	BA	¾"	RPZV255005
RPZ Backflow Preventor with isolators (Commercial Model)	BA	1"	RPZV255010
RPZ Backflow Preventor with isolators (Commercial Model)	BA	1¼"	RPZV255015
RPZ Backflow Preventor with isolators (Commercial Model)	BA	1½"	RPZV255020
RPZ Backflow Preventor with isolators (Commercial Model)	BA	2"	RPZV255025

Spares

Product	Code	Product	Code
STBA RPZ Spare Cartridge	SRPZ250001	RPZ Tool - DN32-50	TOOL255015
RPZ Cartridge - DN15	SRPZ255000	RPZ Cap - DN15	ZCAP255000
RPZ Cartridge - DN20 & DN25	SRPZ255005	RPZ Cap - DN20 & DN25	ZCAP255005
RPZ Cartridge - DN32-50	SRPZ255015	RPZ Cap - DN32-50	ZCAP255015
RPZ Tool - DN15-25	TOOL255000	Test port ball valve	BVAL255000

SPECIFIERS TEXT: The Reduced Pressure Zone backflow preventer (RPZ) must be WRAS approved and protect against back pressure & back syphonage up to fluid category 4. The valve must have a one piece easily serviceable cartridge, integral test points & upstream and downstream integral isolation. In addition the valve must include an integrated tundish.



Floguard® Single Check Valve

- Single check valves protect against the risk of backflow and back syphonage contaminations
- Compact, lightweight construction for easy installation
- Minimum pressure drop giving good flow rates
- Ideal for all class 2 contamination risks as per Water Supply (water fittings) Regulations 1999
- Available with a comprehensive selection of FBSP and compression connections

Product	Type	Size	Code
Floguard® single check valve, DZR brass	EB	15mm	FLOW235001
Floguard® single check valve, DZR brass	EB	22mm	FLOW235002
Floguard® single check valve, DZR brass	EB	28mm	FLOW235003
Floguard® single check valve, DZR brass	EB	½" FBSP	FLOW235004
Floguard® single check valve, DZR brass	EB	¾" FBSP	FLOW235005
Floguard® single check valve, DZR brass	EB	1" FBSP	FLOW235006
Floguard® single check valve, DZR brass	EB	1¼" FBSP	FLOW235007
Floguard® single check valve, DZR brass	EB	1½" FBSP	FLOW235008
Floguard® single check valve, DZR brass	EB	2" FBSP	FLOW235009



Backflow Prevention

Floguard® Double Check Valve

- Double check valves protect against the risk of backflow and back syphonage contaminations
- Compact lightweight construction for easy installation
- Allows high flow rate with minimum pressure drop, giving good flow rates
- Ideal for all class 3 contamination risks as per Water Supply (water fittings) Regulations 1999
- Available with a comprehensive selection of FBSP and compression type connections
- Integral test point for monitoring functioning of the downstream check valve

Product	Type	Size	Code
Floguard® mini double check valve, DZR brass	EC	15mm	FLOW230001
Floguard® mini double check valve, nickel	EC	15mm	FLOW230002
Floguard® compact double check valve, DZR brass	EC	22mm	FLOW230003
Floguard® double check valve, DZR brass	EC	28mm	FLOW230004
Floguard® double check valve, DZR brass	EC	½" FBSP	FLOW230005
Floguard® double check valve, DZR brass	EC	¾" FBSP	FLOW230006
Floguard® double check valve, DZR brass	EC	1" FBSP	FLOW230007
Floguard® double check valve, DZR brass	EC	1¼" FBSP	FLOW230008
Floguard® double check valve, DZR brass	EC	1½" FBSP	FLOW230009
Floguard® double check valve, DZR brass	EC	2" FBSP	FLOW230010

SPECIFIERS TEXT: The double check valve must be WRAS approved and conform to BSEN 13959 supplied in DZR Brass with FBSP or compression type connections, to protect against backflow and back-syphonage Class 3 contamination risks, rated to 16 bar with a minimum working pressure of 0.1 bar.



SharkBite® Double Check Valve

Product	Size	Code
Double Check Valve	15mm	SB2615



Hoseguard Bib Taps

- Combined double check valve hose union bib tap
- Prevents backflow contamination
- Available in quarter turn ball valve or BS 1010 screw down handle format
- Hose tail outlet
- Built in test point and drain down facility
- Conforms to water supply (water fittings) regulations, section 6
- DZR brass body
- Fits directly into a wall-plate elbow

Product	Size	Code
Hoseguard 1010 bib tap with check valves	½" MBSP	HTAP217008



Tundishes

- Type AA backflow prevention
- Slimline design (some models)
- Straight or angled versions available
- Sizes from 15mm to 1½" FBSP

Product	Type	Size	Code
Tundish, straight plastic	AA	15mm x 22mm	TUND219005
Tundish, 90° plastic	AA	15mm x ¾" FBSP	TUND218024
Tundish, straight plastic	AA	22mm x 28mm	TUND219001
Tundish, straight plastic	AA	22mm x 1" FBSP	TUND218023
Tundish, straight epoxy steel	AA	1" x 1¼" FBSP	TUND300001
Tundish, straight plastic	AA	1¼" x 1½" FBSP	TUND300003
Tundish, straight epoxy steel	AA	1½" x 2" FBSP	TUND300004
Tundish, straight epoxy steel	AA	2½" x 3" FBSP	TUND300005



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HEATING SYSTEM COMPONENTS

Versatile solutions specifically designed for precise control and safety of sealed heating systems.

- 25** Heating Controls
- 27** Heating System Expansion Vessels
- 28** Potable Water Expansion Vessels
- 30** Anti-Legionella Valves
- 30** Easifit Kits
- 31** Expansion Vessel Accessories
- 31** Pressure Relief Valves
- 33** Potable Pressure Relief Valves
- 35** Heating System Components
- 36** Pressure & Temperature Relief Valves



FEATURED PRODUCT:

Anti-Legionella Valve

The Anti-legionella valve converts a standard single connection expansion vessel into a 'flow through' type. It does this by diverting a portion of the flow into the vessel so that the water content is continually renewed.

The 3/4" valve has a rotatable tee-piece to allow flexibility upon installation.



Spotlight Features:



INCLUDES BALL VALVE

For simple maintenance



ROTATABLE TEE-PIECE

3/4" version



1/4" DRAIN PLUG

Other Features & Benefits:

- Maintains circulation through an expansion vessel
- Prevents stagnation
- Easy to install
- Can be used on any standard vessel with 3/4" or 1 1/4" connection (max wall mounting size 24L)



Heating Controls

Cylinder Thermostats

- Dual thermostat combines high limit and temperature control thermostat in one
- High limit restricts to maximum 82°C
- Temperature control for user flexibility
- Pockets available separately

Product	Code
Dual Thermostat 30-70°C 85mm Probe No Pocket	STAT500025
Single High Limit C/Out 82°C Thermostat Inc Pocket	STAT500030
Single Control Thermostat 30-90°C Inc Pocket	STAT500040
Copper Pocket For Dual Thermostats (85mm)	PCKT100005
Copper Pocket For Single Thermostats	PCKT100010



Contact Cylinder Thermostat

- Straps directly on to the pipework
- Tamperproof temperature adjustment
- Compact design
- Supplied complete with fixing strap

Product	Code
Contact Cylinder Thermostat	STAT900360



Two and Three Port Zone Valves

- Easy to use clip-on detachable head
- Pre-moulded plug and play cables supplied to connect to motorised head
- Metal manual operating lever for strength and stability
- The motorised head can be retrofitted to other manufacturers valve bodies

Product	Size	Code
2 Port Zone Valve	22mm	ZONE250205
2 Port Zone Valve	28mm	ZONE250215
3 Port Zone Valve	22mm	ZONE250210
Spare 230v Actuator Head For Reliance Zone Valves		SKIT250205



Wiring Centre

- Simplifies wiring installations
- Allows for easy access
- Safe means of connection

Product	Code
Wiring Centre	WIRE100002



Touchscreen Programmable Thermostats

- Available in black or white finish to suit all interior designs
- Seven day setting with six programmable events in each day
- Precise temperature control to +/- 1°C
- Ergonomic, unobtrusive, modern styling

Product	Code
Touchscreen Programmable Thermostat - Black	PROR100050
Touchscreen Programmable Thermostat - White	PROR100055
Remote Sensor	RSTA100050



SPECIFIERS TEXT: The room thermostat must be black or white, touch screen and be suitable for flush mounting. The device must have precise temperature control within 1°C and have seven day setting with six programmable events within each day.

Heating Controls

Electronic Room Thermostats

- Manual, easy grip adjustment dial
- Audible on/off click
- Slimline design
- Volt free option
- Industry standard backplate for ease of installation
- Temperature control accuracy of +/- 0.6°C
- Can produce energy savings of approximately 10% over and above those achieved by traditional units using older technology



Product	Code
Standard Electronic Room Thermostat with Neon	RSTA100005
Standard Electronic Room Thermostat Volt Free	RSTA100010



DID YOU KNOW?

Our Touchscreen Programmable Room Thermostats were specified and used in the Norwich House redevelopment in Streatham, London.

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Heating System Expansion Vessels

Aquasystem® Replaceable Membrane Heating Expansion Vessels

- Internal membrane prevents any water contact with the steel shell, stopping internal corrosion
- Huge choice of products from 2 litre to 5000 litre to cover all applications
- All versions supplied with a replaceable membrane meaning the vessel can be serviced without being removed
- Complete with pre-charge valve for topping up air pressure

Capacity	Pre-Set Pressure (Bar)	Max Pressure (Bar)	Height	Diameter	Water Connection	Code
2L	1.0	8.0	189mm	160mm	¾" MBSP	XVES100010
5L	1.0	8.0	304mm	160mm	¾" MBSP	XVES100020
8L	1.0	8.0	316mm	200mm	¾" MBSP	XVES100030
12L	1.0	8.0	295mm	280mm	¾" MBSP	XVES100040
18L	1.5	8.0	430mm	280mm	¾" MBSP	XVES100050
24L	1.5	8.0	489mm	280mm	¾" MBSP	XVES100060
35L	1.5	8.0	440mm	365mm	¾" MBSP	XVES100070
50L	1.5	8.0	564mm	365mm	¾" MBSP	XVES100080
80L	1.5	8.0	687mm	410mm	1" MBSP	XVES100090
100L	1.5	8.0	663mm	495mm	1" MBSP	XVES100100
150L	1.5	8.0	795mm	550mm	1" MBSP	XVES100110
200L	1.5	8.0	1085mm	600mm	1" MBSP	XVES100120
250L	1.5	8.0	1051mm	650mm	1" MBSP	XVES100130
300L	1.5	8.0	1212mm	650mm	1" MBSP	XVES100140
500L	1.5	8.0	1483mm	750mm	1¼" MBSP	XVES100150
750L	4.0	10.0	1820mm	800mm	2" MBSP	XVES100160
1000L	4.0	10.0	2160mm	800mm	2" MBSP	XVES100170
1500L	4.0	10.0	2360mm	960mm	2" MBSP	XVES050180
2000L	4.0	10.0	2555mm	1100mm	2" MBSP	XVES050190
3000L	4.0	10.0	2790mm	1200mm	DN65	XVES050200
4000L	4.0	10.0	3200mm	1450mm	DN80	XVES050210
5000L	4.0	10.0	3645mm	1450mm	DN80	XVES050220

SPECIFIERS TEXT: The expansion vessel must be (select size) steel with a stainless steel bolted flange connection the internal membrane must be replaceable while in situ and the vessel must come complete with pre charge valve.



DID YOU KNOW?

We supply a range of replacement membranes for both our heating and potable expansion vessels. Available for all sizes of vessel up to 5000l, contact us for more information and how to order.



Potable Water Expansion Vessels

Aquasystem® Replaceable Membrane Potable Water Expansion Vessels

- Stainless steel bolted flange prevents corrosion
- Extra wide membrane opening prevents noise caused by restricted flow
- Internal membrane prevents any water contact with the steel shell, stopping internal corrosion
- Huge choice of products from 2 litre to 5000 litre to cover all applications
- All versions supplied with a replaceable membrane meaning the vessel can be serviced without being removed
- Complete with pre-charge valve for topping up air pressure
- Suitable for both potable water and heating applications

Capacity and Colour	Pre-Set Pressure (Bar)	Max Pressure (Bar)	Height	Diameter	Water Connection	Code
White 2L	3.0	10.0	250mm	120mm	½" MBSP	XVES050010
White 5L	3.0	10.0	304mm	160mm	¾" MBSP	XVES050020
White 8L	3.0	10.0	316mm	200mm	¾" MBSP	XVES050030
White 12L	3.0	10.0	295mm	280mm	¾" MBSP	XVES050040
White 18L	3.0	10.0	430mm	280mm	¾" MBSP	XVES050050
White 24L	3.0	10.0	489mm	280mm	¾" MBSP	XVES050060
White 35L	3.0	10.0	440mm	365mm	¾" MBSP	XVES050070
Blue 50L	3.0	10.0	656mm	365mm	¾" MBSP	XVES050080
Blue 60L	3.5	10.0	783mm	365mm	1" MBSP	XVES050090
Blue 80L	3.5	10.0	810mm	410mm	1" MBSP	XVES050100
Blue 100L	3.5	10.0	849mm	495mm	1" MBSP	XVES050110
Blue 150L	3.5	10.0	975mm	550mm	1" MBSP	XVES050120
Blue 200L	3.5	10.0	1085mm	600mm	1¼" MBSP	XVES050130
Blue 300L	3.5	10.0	1240mm	650mm	1¼" MBSP	XVES050140
Blue 500L	3.5	10.0	1490mm	750mm	1¼" MBSP	XVES050150
Red 750L	4.0	10.0	1820mm	800mm	2" MBSP	XVES050160
Red 1000L	4.0	10.0	2160mm	800mm	2" MBSP	XVES050170
Red 1500L	4.0	10.0	2360mm	960mm	2" MBSP	XVES050180
Red 2000L	4.0	10.0	2555mm	1100mm	2" MBSP	XVES050190
Red 3000L	4.0	10.0	2790mm	1200mm	DN65	XVES050200
Red 4000L	4.0	10.0	3200mm	1450mm	DN80	XVES050210
Red 5000L	4.0	10.0	3645mm	1450mm	DN80	XVES050220

With Integral Bracket

Capacity and Colour	Pre-Set Pressure (Bar)	Max Pressure (Bar)	Height	Diameter	Water Connection	Code
White 8L	3.0	10.0	316mm	200mm	¾" MBSP	XVES050036
White 12L	3.0	10.0	295mm	280mm	¾" MBSP	XVES050045
White 18L	3.0	10.0	430mm	280mm	¾" MBSP	XVES050055
White 24L	3.0	10.0	489mm	280mm	¾" MBSP	XVES050065
White 35L	3.0	10.0	440mm	365mm	¾" MBSP	XVES050075

SPECIFIERS TEXT: The expansion vessel must be (select size) steel with a stainless steel bolted flange connection the internal membrane must be replaceable while in situ and the vessel must come complete with pre charge valve.



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Potable Water/Heating System Expansion Vessels

Potable Water Shock Arrestor

- Compact mini vessels can be fitted at the point of use to stop water hammer
- Stainless steel shell and flange prevent corrosion
- Complete with pre-charge valve for topping up air pressure

Capacity and Colour	Pre-Set Pressure (Bar)	Max Pressure (Bar)	Height	Diameter	Water Connection	Code
0.16L	5.0	15.0	105mm	65mm	½" MBSP	XVES050000
0.5L	5.0	15.0	160mm	95mm	½" MBSP	XVES050005
1L	5.0	15.0	195mm	114mm	½" MBSP	XVES050006
2L	5.0	15.0	220mm	130mm	½" MBSP	XVES050007

With Chrome Plated SharkBite® Adaptor

Capacity and Colour	Pre-Set Pressure (Bar)	Max Pressure (Bar)	Height	Diameter	Water Connection	Code
0.16L	5.0	15.0	105mm	65mm	½" MBSP	SBXVES050000

With Chrome Plated SharkBite® Tee

Capacity and Colour	Pre-Set Pressure (Bar)	Max Pressure (Bar)	Height	Diameter	Water Connection	Code
0.16L	5.0	15.0	105mm	65mm	½" MBSP	SBXVES030050

SPECIFIERS TEXT: The water shock arrestor must be stainless steel with a pre charge valve on top rated to 15 bar and pre-set at 5 bar.



Aquasystem® Expansion Vessel Mounting Brackets

- Epoxy coated steel
- Complete with fixing screws and wall plugs

Product	Capacity	Size	Code
Wall mounting bracket	5L	160mm	BRKT240021
Wall mounting bracket	8L	200mm	BRKT240022
Wall mounting bracket	12L, 18L, 24L	280mm	BRKT240050
Wall mounting bracket (2 brackets recommended for this size)	35L, 50L	365mm	BRKT240051



Anti-Legionella Valves

Anti-Legionella Valve

- Maintains circulation through an expansion vessel
- Prevents stagnation
- Easy to install
- Includes ball valve for simple maintenance
- Can be used on any standard vessel with 3/4" or 1 1/4" connection
- 1/4" drain plug
- 3/4" version includes rotatable tee-piece and wall bracket to support the valve and vessel

Product	Size	Code
Anti Legionella Valve	3/4" FBSP	ANTI100001
Anti Legionella Valve	1 1/4" FBSP	ANTI100005

SPECIFIERS TEXT: The Anti-Legionella Valve must be a WRAS approved valve that prevents stagnation by maintaining circulation by partly diverting flow into an expansion vessel. An integral bleed point for maintenance must be included with integral isolation.



Easifit Kits

Easifit® Sealed System Kit

- Includes an expansion vessel with integrated bracket system for ease of installation
- The connection manifold is a one piece unit and requires no assembly
- Includes a WRAS approved filling loop with blanking caps
- Comes with an easy to read pressure gauge
- Union type connection to the expansion vessel can be orientated easily

Product	Size	Code
1.0 bar heating vessel, bracket & manifold - 5L	3/4" MBSP	VESK209049
1.0 bar heating vessel, bracket & manifold - 8L	3/4" MBSP	VESK209050
1.0 bar heating vessel, bracket & manifold - 12L	3/4" MBSP	VESK209051
1.5 bar heating vessel, bracket & manifold - 18L	3/4" MBSP	VESK209052
1.5 bar heating vessel, bracket & manifold - 24L	3/4" MBSP	VESK209053
1.5 bar heating vessel, bracket & manifold - 35L	3/4" MBSP	VESK209054
Easifit® manifold with filling loop and gauge	3/4" MBSP	EASI209104
Easifit® manifold with gauge only	3/4" MBSP	CORE209106
50mm dial up to 6.0 bar gauge	1/4" MBSP back inlet	GAGE250001

SPECIFIERS TEXT: A WRAS 1999 compliant Sealed Heating System Kit. Suitable for new build or retro-fit installations. (Include correct product range codes for the Controls and Expansion Vessel Kits). Each kit includes expansion vessel, mounting bracket, pressure relief manifold, pressure gauge and combined filling loop/isolator/double check valve.



Easifit® Water Heater Kit

- Contains all required controls to install a small water heater
- Mix of control available for flexibility of design
- High quality materials
- Complied with G3 of regulations
- WRAS approved components

Product	Size	Code
2L, 15mm check valve & 15mm relief valve	15mm	COLK150000
2L, 15mm check valve	15mm	COLK150005
2L, with check valve & pressure reducing valve	15mm	COLK150010
2L, with check valve, pressure reducing valve & relief valve	15mm	COLK150015
2L, with inlet control valve	15mm	COLK150020
2L, with core unit	15mm	COLK150025



Expansion Vessel Accessories

Filmaster® Filling Loop

- 1/8" BSP test port on isolating double check valve
- 15mm compression connections
- Protects against Class 3 contamination risks
- Ball valve with lever for easy operation
- Comes with metal watertight blanking cap for additional security
- Thumb grip nuts on hose to allow quick connection/disconnection to mains supply

Product	Size	Code
Filmaster filling loop dual isolator c/w check valve	15mm	FIBV246208
Filling loop sealing cap and tag	1/2"	BCAP246200

Specifiers Text: WRAS 1999 compliant filling loop made up of WRAS listed components consisting of isoball valve and combined iso/dcv with test port (1/8"), flexible hose with manual connections. (Include correct product range code).



Filling Loop with Street Ends

- Suitable for direct connection to SharkBite® Metal Push-fit Fittings

Product	Size	Code
Filling Loop with Street Ends	15mm	SB2315ST



Pressure Relief Valves

Sealed Heating System Pressure Relief Valve

- Diaphragm design gives improved resistance to scaling and extends the valves lifespan
- Straightforward removal of single piece cartridge allows access to seat for cleaning or cartridge replacement
- Set relief pressure range from 2.0 bar - 3.0 bar gives flexibility of system design
- Available with FSBP/FSBP or MBSP/FBSP connections, for complete installation flexibility

Product	Pressure (bar)	Size	Code
Sealed Heating System Pressure Relief Valve with gauge	3.0	1/2" FxFSBP	PREL103003



100 & 101 Replacement Relief Valve Cartridges

Product	Pressure (Bar)	Size	Code
Red Pressure relief valve cartridge	2.0	3/4" and 1/2" valves	ZRC209020
Red Pressure relief valve cartridge	2.5	3/4" and 1/2" valves	ZRC209021
Red Pressure relief valve cartridge	3.0	3/4" and 1/2" valves	ZRC214043



Pressure Relief Valves

101 Series Sealed Heating System Pressure Relief Valves

- Diaphragm design gives improved resistance to scaling and extends the valve's lifespan
- Straightforward removal of single piece cartridge allows access to seat for cleaning or cartridge replacement
- Set relief pressure range from 2.0 bar to 3.0 bar gives flexibility of system design
- Available with FSBP/FSBP or MBSP/FBSP connections, for complete installation flexibility

Product	Pressure (Bar)	Size	Code
Pressure relief valve	2.0	½" FxFBSP	PREL101001
Pressure relief valve	2.5	½" FxFBSP	PREL101002
Pressure relief valve	3.0	½" FxFBSP	PREL101003
Pressure relief valve	2.0	½" MxFBSP	PREL101015
Pressure relief valve	2.5	½" MxFBSP	PREL101024
Pressure relief valve	3.0	½" MxFBSP	PREL101016
Pressure relief valve	2.0	¾" FxFBSP	PREL101011
Pressure relief valve	2.5	¾" FxFBSP	PREL101012
Pressure relief valve	3.0	¾" FxFBSP	PREL101013
Pressure relief valve	2.0	¾" MxFBSP	PREL101014
Pressure relief valve	2.5	¾" MxFBSP	PREL101027
Pressure relief valve	3.0	¾" MxFBSP	PREL101023



100 Series Sealed Heating System High Capacity Pressure Relief Valves

- Outlet one size larger than inlet, for high capacity discharge
- Provides protection against over pressurisation in wet heating systems
- Diaphragm design gives improved resistance against scale
- Cartridge design for ease of service and replacement without need to reset response pressure
- Set pressure range from 2.5 bar to 5.0 bar to suit any system requirement
- High lift design for increased discharge capacity

Product	Pressure (Bar)	Size	Code
Pressure relief valve	2.5	½" x ¾" FxFBSP	PREL100008
Pressure relief valve	3.0	½" x ¾" FxFBSP	PREL100001
Pressure relief valve	4.0	½" x ¾" FxFBSP	PREL100003
Pressure relief valve	5.0	½" x ¾" FxFBSP	PREL100004
Pressure relief valve	2.5	¾" x 1" FxFBSP	PREL100013
Pressure relief valve	3.0	¾" x 1" FxFBSP	PREL100014
Pressure relief valve	4.0	¾" x 1" FxFBSP	PREL100016
Pressure relief valve	5.0	¾" x 1" FxFBSP	PREL100028
Pressure relief valve	2.5	1" x 1¼" FxFBSP	PREL100022
Pressure relief valve	3.0	1" x 1¼" FxFBSP	PREL100023
Pressure relief valve	4.0	1" x 1¼" FxFBSP	PREL100025
Pressure relief valve	5.0	1" x 1¼" FxFBSP	PREL100027
Pressure relief valve	2.5	1¼" x 1½" FxFBSP	PREL100032
Pressure relief valve	3.0	1¼" x 1½" FxFBSP	PREL100033
Pressure relief valve	4.0	1¼" x 1½" FxFBSP	PREL100034
Pressure relief valve	5.0	1¼" x 1½" FxFBSP	PREL100036
Pressure relief valve	2.5	1½" x 2" FxFBSP	PREL100044
Pressure relief valve	3.0	1½" x 2" FxFBSP	PREL100041
Pressure relief valve	4.0	1½" x 2" FxFBSP	PREL100042
Pressure relief valve	5.0	1½" x 2" FxFBSP	PREL100046
Pressure relief valve	2.5	2" x 2½" FxFBSP	PREL100052
Pressure relief valve	3.0	2" x 2½" FxFBSP	PREL100049
Pressure relief valve	4.0	2" x 2½" FxFBSP	PREL100050
Pressure relief valve	5.0	2" x 2½" FxFBSP	PREL100055



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Potable Pressure Relief Valves

104 Series High Capacity Potable Water Pressure Relief Valves

- Rapid removal of single piece cartridge for cleaning or replacement
- Diaphragm design gives improved resistance scale
- Multiple connections for flexible installation
- Set relief pressure range from 3.5 - 8.0 bar

Product	Pressure (Bar)	Size	Code
Pressure relief valve	3.5	1/2" x 3/4" FBSP x FBSP	PREL104040
Pressure relief valve	5.0	1/2" x 3/4" FBSP x FBSP	PREL104041
Pressure relief valve	6.0	1/2" x 3/4" FBSP x FBSP	PREL104008
Pressure relief valve	8.0	1/2" x 3/4" FBSP x FBSP	PREL104006
Pressure relief valve	3.5	3/4" x 1" FBSP x FBSP	PREL104042
Pressure relief valve	5.0	3/4" x 1" FBSP x FBSP	PREL104014
Pressure relief valve	6.0	3/4" x 1" FBSP x FBSP	PREL104010
Pressure relief valve	8.0	3/4" x 1" FBSP x FBSP	PREL104016
Pressure relief valve	3.5	1" x 1 1/4" FBSP x FBSP	PREL104043
Pressure relief valve	5.0	1" x 1 1/4" FBSP x FBSP	PREL104001
Pressure relief valve	6.0	1" x 1 1/4" FBSP x FBSP	PREL104002
Pressure relief valve	8.0	1" x 1 1/4" FBSP x FBSP	PREL104017
Pressure relief valve	3.5	1 1/4" x 1 1/2" FBSP x FBSP	PREL104044
Pressure relief valve	5.0	1 1/4" x 1 1/2" FBSP x FBSP	PREL104045
Pressure relief valve	6.0	1 1/4" x 1 1/2" FBSP x FBSP	PREL104005
Pressure relief valve	8.0	1 1/4" x 1 1/2" FBSP x FBSP	PREL104013
Pressure relief valve	3.5	1 1/2" x 2" FBSP x FBSP	PREL104046
Pressure relief valve	5.0	1 1/2" x 2" FBSP x FBSP	PREL104047
Pressure relief valve	6.0	1 1/2" x 2" FBSP x FBSP	PREL104012
Pressure relief valve	8.0	1 1/2" x 2" FBSP x FBSP	PREL104020
Pressure relief valve	3.5	2" x 2 1/2" FBSP x FBSP	PREL104048
Pressure relief valve	5.0	2" x 2 1/2" FBSP x FBSP	PREL104049
Pressure relief valve	6.0	2" x 2 1/2" FBSP x FBSP	PREL104015
Pressure relief valve	8.0	2" x 2 1/2" FBSP x FBSP	PREL104023



102 and 104 Series Replacement Pressure Relief Cartridge

Product	Pressure (Bar)	Size	Code
Blue Pressure relief valve cartridge	3.5	3/4" & 1/2" valves	ZRC214031
Blue Pressure relief valve cartridge	5.0	3/4" & 1/2" valves	ZRC214048
Blue Pressure relief valve cartridge	6.0	3/4" & 1/2" valves	ZRC214004
Blue Pressure relief valve cartridge	8.0	3/4" & 1/2" valves	ZRC214009



107 Series Potable Water Pressure Relief Valves

- Rapid removal of single piece cartridge for cleaning or replacement
- Allows a high capacity discharge
- Diaphragm design gives improved resistance against scale
- Protects against over pressurisation
- Multiple connections for flexible installation
- Set relief pressure range from 3.5-6.0 bar
- Maximum temperature of 110°C

Product	Pressure (Bar)	Size	Code
Pressure relief valve	6.0	1/2" FBSP x 1/2" FBSP	PREL107010
Pressure relief valve	6.0	1/2" MBSP x 1/2" FBSP	PREL107015
Pressure relief valve	3.5	1/2" MBSP x 15mm	PREL107020
Pressure relief valve	5.0	1/2" MBSP x 15mm	PREL107025



Potable Pressure Relief Valves

102 Series Potable Water Pressure Relief Valves

- Rapid removal of single piece cartridge for cleaning or replacement
- Diaphragm design gives improved resistance scale
- Multiple connections for flexible installation
- Set relief pressure range from 3.5 - 8.0 bar

Product	Pressure (Bar)	Size	Code
Pressure relief valve	3.5	½" FBSP x FBSP	PREL102014
Pressure relief valve	5.0	½" FBSP x FBSP	PREL102008
Pressure relief valve	6.0	½" FBSP x FBSP	PREL102001
Pressure relief valve	8.0	½" FBSP x FBSP	PREL102004
Pressure relief valve	3.5	½" MBSP x FBSP	PREL102040
Pressure relief valve	5.0	½" MBSP x FBSP	PREL102041
Pressure relief valve	6.0	½" MBSP x FBSP	PREL102042
Pressure relief valve	8.0	½" MBSP x FBSP	PREL102043
Pressure relief valve	3.5	½" MBSP x 15mm	PREL102009
Pressure relief valve	5.0	½" MBSP x 15mm	PREL102003
Pressure relief valve	6.0	½" MBSP x 15mm	PREL102005
Pressure relief valve	8.0	½" MBSP x 15mm	PREL102044
Pressure relief valve	3.5	¾" FBSP x FBSP	PREL102045
Pressure relief valve	5.0	¾" FBSP x FBSP	PREL102046
Pressure relief valve	6.0	¾" FBSP x FBSP	PREL102031
Pressure relief valve	8.0	¾" FBSP x FBSP	PREL102047
Pressure relief valve	3.5	¾" MBSP x FBSP	PREL102048
Pressure relief valve	5.0	¾" MBSP x FBSP	PREL102118
Pressure relief valve	6.0	¾" MBSP x FBSP	PREL102018
Pressure relief valve	8.0	¾" MBSP x FBSP	PREL102024
Pressure relief valve	3.5	¾" MBSP x 22mm	PREL102020
Pressure relief valve	5.0	¾" MBSP x 22mm	PREL102049
Pressure relief valve	6.0	¾" MBSP x 22mm	PREL102027
Pressure relief valve	8.0	¾" MBSP x 22mm	PREL102050



Protecto® YC

- For protection of water systems from debris
- Compression connections for simple, low cost installation
- Compact DZR brass body
- Access port to sleeve filter allows servicing without need to replace
- O ring seal on access port for ease of service
- Dual thickness gauze for improved resistance to damage
- Stainless steel 60 mesh filter
- Available with SharkBite® Metal Push-fit connectors for even quicker installation

Product	Size	Code
Protecto® YC	15mm	LINS400001
Protecto® YC, nickel plated	15mm	LINS400101
Protecto® YC	22mm	LINS400002
Protecto® YC	28mm	LINS400006



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Heating System Components

Automatic Anti-Vacuum Valves

- Automatic protection against a vacuum forming in hot water installation
- Solid brass body for long life
- Easy access to the internals from the top of the valve
- Quick and simple service

Product	Size	Code
Automatic anti vacuum valve	1/2" MBSP	ADMT503001
Automatic anti vacuum valve	3/4" MBSP	ADMT503010
Automatic anti vacuum valve with pop-up indicator	15mm	ADMT503004
Automatic anti vacuum valve with pop-up indicator	22mm	ADMT503005



Automatic Air Vent

- Automatically vents trapped air from within a sealed heating system
- Saves time and cost when commissioning new heating systems
- Solid brass construction and heat resistant polypropylene float give long life and dependability
- Available in 3/8", 1/2" and 15mm connections
- Reduces call backs to rectify air locks, saving time and money

Product	Size	Code
Automatic air vent	3/8"	AVEN100001
Automatic air vent	1/2"	AVEN100005
Automatic air vent	15mm COMP	AVEN100003
Automatic air vent for underfloor heating	1/2"	AVEN450001



SPECIFIERS TEXT: A solid brass automatic air vent for use in sealed heating systems, available in 3/8" or 1/2" MBSP connection formats (include correct product range code).



Pressure & Temperature Relief Valves

TPR28 Pressure & Temperature Relief Valve

- Protects against temperature rising over 95°C
- Prevents over pressurisation
- Lever style easing mechanism

Product	Probe length	Inlet & Outlet	Pressure Outlet (Bar)	Code
P&T	195mm	1" MBSP x 28mm	7.0	PTEM100050



FVMX Pressure and Temperature Relief Valve

- High capacity protection
- Protects against temperature rising above 95°C
- Prevents over pressurisation
- Lever style easing mechanism

Product	Probe length	Inlet & Outlet	Pressure Outlet (Bar)	Code
Lever top P&T	112mm	3/4" MBSP x 28mm	7.0	PTEM600001
Lever top P&T	120mm	1" MBSP x 1" FBSP	7.0	PTEM600002
Lever top P&T	100mm	1 1/4" MBSP x 1" FBSP	7.0	PTEM600003
Lever top P&T	80mm	1 1/2" MBSP x 1 1/2" FBSP	7.0	PTEM600004
Lever top P&T	65mm	2" MBSP x 2" FBSP	7.0	PTEM600005



Cash Acme® Pressure & Temperature Relief Valves

- Protects against temperature rising above 95°C
- Prevents over pressurisation
- Lever Top release mechanism
- Range of different pressure settings and different probe lengths available

Product	Probe length	Inlet & Outlet	Pressure Outlet (Bar)	Code
P&T	95mm	1/2" x 15mm	6.0	PTEM510001
P&T	95mm	1/2" x 15mm	7.0	PTEM510002
P&T	95mm	1/2" x 15mm	10.0	PTEM510003



TPR15 & TPR22 Pressure & Temperature Relief Valves

- Protects against temperature rising above 95°C
- Prevents over pressurisation
- Twist top cartridge design for easy servicing
- Complete with PTFE coating (some models)
- Range of different pressure settings and different probe lengths available
- Type TPR15/22

Product	Probe length	Inlet & Outlet	Pressure Outlet (Bar)	Code
P&T	95mm	1/2" x 15mm	7.0	PTEM550852
P&T PTFE Coated	95mm	1/2" x 15mm	10.0	PTEM550853
P&T PTFE Coated	95mm	1/2" x 15mm	7.0	PTEM550854
P&T PTFE Coated	95mm	1/2" x 15mm	4.5	PTEM550856
P&T PTFE Coated	95mm	1/2" x 15mm	6.0	PTEM550857
P&T	40mm	1/2" x 15mm	7.0	PTEM550870
P&T	195mm	1/2" x 15mm	7.0	PTEM550951
P&T	195mm	15mm x 15mm	7.0	PTEM550953
P&T	95mm	15mm x 15mm	7.0	PTEM550954
P&T	195mm	3/4" x 15mm	10.0	PTEM550955
P&T	95mm	3/4" x 22mm	4.5	PTEM575200
P&T	95mm	3/4" x 22mm	7.0	PTEM575205
P&T	95mm	3/4" x 22mm	10.0	PTEM575210
P&T	195mm	3/4" x 22mm	7.0	PTEM575250



WASHROOM SYSTEMS

Standards compliant, complete system solutions for healthcare, education and commercial washroom applications.

- 39 TMV3 Thermostatic Taps
- 41 TMV3 Shower Valves
- 43 Shower Kits
- 43 TMV2 Thermostatic Bath Shower Mixers
- 44 TMV2 Thermostatic Bar Showers
- 45 Timeflow Taps
- 46 Shower Panels
- 47 Timeflow Showers
- 48 Exposed & Concealed Showerheads
- 48 Urinal Flush Controls



FEATURED PRODUCT:

Caremix® Prime T3 Wall Mountable Thermostatic Tap



The Caremix® Prime T3 is a sequential D08 approved thermostatic tap typically used in areas with a panel system where the tap is mounted on a wall or panel with a void behind which carries the service pipework, as is common in many commercial sites. It is perfectly suited for high risk environments such as hospitals or nursing homes to protect vulnerable users from being scalded by hot water.

Spotlight Features:



CAREMIX® CARTRIDGE

Uses our unique one-piece thermostatic cartridge to reduce maintenance time



HANDLE OPTIONS

Available with a standard short handle or extended handle for ease of operation



PVD COATING

Resists scratching and deterioration of the chrome finish

Other Features & Benefits:

- Incorporates a special cool touch design to prevent the tap body from reaching dangerous temperatures
- The valve design includes quick release covers for easy access to isolation, check valves, flow regulators and filters to reduce testing and maintenance times
- Bioguard spout as standard
- Viton o-rings



TMV3 Thermostatic Taps

Caremix® Prime S3 Monobloc TMV3 Approved Thermostatic Taps

- Uses the unique Reliance one piece thermostatic cartridge to reduce maintenance time
- Supplied with a special PVD coating to resist scratching and deterioration of the chrome finish
- Copper connection tails to eliminate the possibility of bacteria breeding in rubber hoses
- Available with a standard short handle or extended handle to be suitable for all applications
- Supplied with two combination valves incorporating isolation, check valves, flow regulators and filters

Product	Size	Code
Caremix® Prime S3 Monobloc thermostatic tap	15mm	CTAP105001
Caremix® Prime S3 monobloc thermostatic tap with extended lever	15mm	CTAP105002
Caremix® Prime S3 monobloc thermostatic tap with stainless steel tails	15mm	CTAP105070

SPECIFIERS TEXT: The Thermostatic Tap must be a TMV3 accredited, WRAS approved deck-mounted tap with extended lever option that complies to BS7942, HTM04-1 D08 and HBN00/10 Part C. Sequentially controlled & PVD coated. Supplied in vacuum sealed packaging, a downward angled spout with a smooth machined bore is required alongside combination valves incorporating isolation for hot & cold supplies with removable/serviceable strainers, check valves & flow regulators. In addition, the tap must include an 'in situ' thermal disinfection facility, a tool free twist off cap and a single piece interchangeable Caremix thermostatic cartridge. Copper connection tails are also required.



Caremix® Prime T3 Wall Mounted TMV3 Approved Thermostatic Taps

- Uses the unique Reliance one piece thermostatic cartridge to reduce maintenance time
- Incorporates a special cool touch design to prevent the tap body from reaching dangerous temperatures
- Supplied with a special PVD coating to resist scratching and deterioration of the chrome finish
- The valve design includes isolation, check valves, flow regulators and filters in front of wall to reduce testing and maintenance times
- Available with a standard short handle or extended handle to be suitable for all applications

Product	Size	Code
Caremix® Prime T3 wall mountable TMV3 approved thermostatic tap	15mm	CTAP105005
Caremix® Prime T3 wall mountable TMV3 approved thermostatic tap with extended lever (for hospital use)	15mm	CTAP105006

SPECIFIERS TEXT: The Thermostatic Tap must be a TMV3 accredited, WRAS approved, wall-mounted, cool-touch tap with extended lever option that complies to BS7942, HTM04-01 D08 and HBN00/10 Part C. Sequentially controlled & PVD coated, the wall mounted tap must not include EPDM where seals come into contact with potable water. Supplied in vacuum sealed packaging, a downward angled spout with a smooth machined internal bore is required alongside incorporated isolation for hot & cold supplies with a separate integral one piece structure for strainers, check valves & flow regulators. The tap must have a demountable body from the front whilst leaving the tails in situ and include an "in situ" thermal disinfection facility. Metallic pipe covers that seal the hot & cold feeds must be supplied using a four point seal system. In addition the tap must include, a tool free twist off cap and a single piece interchangeable Caremix thermostatic cartridge.



TMV3 Thermostatic Taps

Caremix® Prime H3 Deck Mounted 2 Hole TMV3 Approved Thermostatic Taps

- Uses the unique Reliance one piece thermostatic cartridge to reduce maintenance time
- Incorporates a special cool touch design to prevent the tap body from reaching dangerous temperatures
- The valve design includes isolation, check valves, flow regulators and filters in front of wall to reduce testing and maintenance times
- Supplied with a special PVD coating to resist scratching and deterioration of the chrome finish
- Available with a standard short handle or extended handle to be suitable for all applications



Product	Size	Code
Caremix® Prime H3 deck mounted 2 hole TMV3 approved thermostatic tap	15mm	CTAP105010
Caremix® Prime H3 deck mounted 2 hole thermostatic tap with extended lever	15mm	CTAP105011

SPECIFIERS TEXT: The Thermostatic Tap must be a TMV3 accredited, WRAS approved deck-mounted cool-touch tap with extended lever option that complies to BS7942, HTM04-01 D08 and HBN00/10 Part C. Sequentially controlled & PVD coated, the two-hole deck mounted tap must not include EPDM where seals come into contact with potable water. Supplied in vacuum sealed packaging, a downward angled spout with a smooth machined internal bore is required alongside incorporated isolation for hot & cold supplies with a separate integral one piece structure for strainers, check valves & flow regulators. The tap must have a demountable body from the front whilst leaving the tails in situ, an "in situ" thermal disinfection facility, a tool free twist off cap and a single piece interchangeable Caremix thermostatic cartridge.



Caremix® Thermostatic Cartridge

- Caremix® thermostatic cartridge can be used across all Reliance thermostatic products - thermostatic taps, mixing valves, showers & shower panels
- Minimises the cost and complexity of stocking spares



Product	Code
Caremix® Thermostatic cartridge	SKIT100008

Suitable for use with:
Taps, Showers &
Shower panels

Reduces inventory
and prevents
damage due to
cartridge misfits



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TMV3 Thermostatic Taps

Caremix® Tap Spares

Product	Size	Code
Disinfection Flushing Hose for Caremix® Taps		FLSE100010
Biocare Anti-Bacterial Flow Straightener		ZBST100005
Flow straightener		ZBST100001
Replacement standard handle		ZNOB100001
Replacement extended handle		ZNOB100002
Spare isolating valve 3lpm including check valve	15mm	SERV950100
Indice for Caremix® S3 tap		INDC100005
Indice for Caremix® H3 tap		INDC100006
Indice for Caremix® T3 tap		INDC100007
End indice for Caremix® taps (except S3)		INDC100008
Check cartridge for Caremix® taps (except S3)		ZCC225017
Strainer for Caremix® taps (except S3)		ZSTR100001
3 lpm flow regulator for Caremix® taps (except S3)		ZREG100001
Chrome covers for Caremix® taps (except S3)		COVR100001
Check valve, filter and regulator, one piece		SKIT100003



Shield

TMV3 Approved Thermostatic Basin Mixer

- Caremix® thermostatic cartridge can be used across all Reliance thermostatic products - thermostatic taps, mixing valves, showers & shower panels
- Minimises the cost
- Thermostatic sequential basin tap
- Simple to operate single lever handle
- Easy to install, supplied complete with flexible tails and check valves
- Approved for NHS model engineering specification D08
- Suitable for low and high pressure systems
- Copper connection tails to eliminate the possibility of bacteria breeding in rubber hoses and complexity of stocking spares

Product	Size	Code
Shield TMV3 Thermostatic Basin Mixer	15mm	CTAP100100



TMV3 Shower Valves

Caremix® E3 Exposed Sequential Shower

- TMV3 approved for healthcare applications
- Uses the unique Reliance one piece thermostatic cartridge to reduce maintenance time
- Provided with rotational elbows to suit any pipework orientation
- Supplied with top or bottom outlets to suit flexible hoses or fixed risers giving maximum installation flexibility
- Supplied complete with check valves, strainers and flow regulators, all serviceable from in front of the wall

Product	Size	Code
Caremix E3 Exposed Sequential Control Shower	15mm	SHOW153100
Caremix E3 Lever Control Knob		ZNOB153100
Caremix E3 Chrome Pipe Coverplates		ZCOV153100
Caremix E3 Printer Handle Indice		INDC153100
Caremix E3 Strainer With Brass Adaptor		ZSTR153100



SPECIFIERS TEXT: The exposed thermostatic shower valve must be TMV3 accredited, WRAS approved and comply to BS7942 & HTM04-01 D08. Sequentially controlled, the shower valve must have rotational inlet elbows and removable/serviceable strainers, check valves & flow regulators that can be serviced from the front of the wall. The shower must have a demountable body from the front and have both top & bottom outlets to suit flexible hoses or fixed risers. Metallic pipe covers that seal the hot & cold feeds and a single piece interchangeable thermostatic cartridge must also be supplied.

TMV3 Shower Valves

Caremix® C3 Concealed Sequential Shower



- Supplied with a specially designed installation box and wall template to make installation quick and easy
- Designed so that after installation all components are serviceable and replaceable following removal of the cover plate
- TMV3 approved for healthcare applications
- Uses the unique Reliance one piece thermostatic cartridge to reduce maintenance time
- Supplied complete with isolators, check valves, strainers and flow regulators all serviceable from in front of the wall



Product	Size	Code
Caremix C3 Concealed Sequential Control Shower	15mm	SHOW153150
Caremix C3 Mixer Unit (First Fix)	15mm	SHOW153160
Caremix C3 Facia Plate & Handle (Second Fix)		SHOW153165
Caremix C3 Lever Control Knob		ZNOB153150
Caremix C3 Printer Handle Indice		INDC153150
Caremix C3 Chrome Coverplate		ZPLT153250
Caremix C3 Inlet Washer / Strainers		ZWAS153150
Caremix C3 Cover Plate Screw		ZSCR153150

SPECIFIERS TEXT: The concealed thermostatic shower valve must be TMV3 accredited, WRAS approved and sequentially controlled with rotational inlet elbows and comprise of isolators, removable/serviceable strainers, check valves & flow regulators that can be serviced from the front by removal of the cover plate. In addition, the valve must have a single piece interchangeable thermostatic cartridge. The shower should come supplied with a template for cutting the correct size hole and have optional first & second fix.



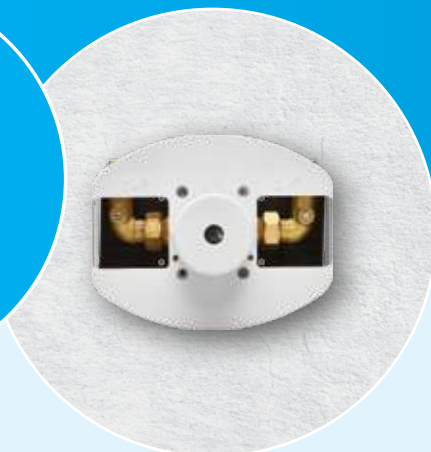
TWO-STEP SHOWER INSTALLATION.

The Reliance two-step shower installation is another example of how we're at the forefront of washroom innovation.

During the construction phase, concealed showers – supplied with a plastic cover over the shower outlet – are installed before the walls are plastered to ensure a flush fitting. This is the 'first fix'. The 'second fix' simply involves removing this plastic cover and replacing it with a chrome faceplate during the final fit-out. This unique installation prevents scratching or damage to the faceplates during building work. There are also no lost parts - the faceplates are packed separately and can be retained in stores until they are needed.

FIRST FIX

Fit the concealed shower and outlet unit during construction phase



SECOND FIX

Remove the temporary cover and fit the chrome face plate during final fit out



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Shower Kits

Reliance Shower Kit

- Kits includes curved riser rail, push-button adjuster bar, single or multimode handset, 1.5m hose and retaining ring

Product	Size	Code
Reliance Shower Kit, multimode	½"	SFIT153200
Reliance Shower Kit, multimode - concealed	½"	SFIT153250
Reliance Shower Kit, single mode, smooth hose	½"	SFIT450001
Wall outlet for concealed shower kit	½" FBSP x ½" MBSP	OUTL400010

Accessories & Spares

Product	Size	Code
1.5m hose		HOSE400001
2m hose		HOSE400005
Retaining ring for concealed shower kit		RING400001
Non split retaining ring for shower kits	25mm	RING100063



TMV2 Thermostatic Bath Shower Mixers

Heatguard® Bath Shower Mixer

- Both thermostatic and flow control are housed in one-piece cartridges for easy maintenance or replacement
- Rapid failsafe on either hot or cold supply failure
- Provides stable mixed water temperature with user override button on temperature handle at 38°C
- Includes check valve, strainer, flow regulator and deck pillars
- Lever style handle option for easier operation
- Part G compliant
- Diverter between bath and shower integratin flow control

Product	Size	Code
Heatguard® straight spout BSM with lever handle	¾" FBSP loose nut	THRM400000
Heatguard® straight spout BSM with button handle	¾" FBSP loose nut	THRM400005
Heatguard® curved spout BSM with lever handle	¾" FBSP loose nut	THRM400010
Heatguard® curved spout BSM with button handle	¾" FBSP loose nut	THRM400015



SPECIFIERS TEXT: The bath and shower mixer must be deck mounted, with separate temperature and flow control, WRAS approved, Type 2 and BS EN 1111:2017 and Part G compliant thermostatic bath shower mixer with one-piece thermostatic cartridge and flow cartridge, removable and serviceable strainers and check valves on both hot and cold supplies, and a flow regulator for use at the mixed water shower outlet.



TMV2 Thermostatic Bar Showers

Heatguard® Bar Showers

- Both thermostatic and flow control are housed in one-piece cartridges for easy maintenance or replacement
- Cool touch model available for extra protection against outer surface overheating
- Handle options include lever style for easier operation
- Includes Z-connectors and wall cover plates
- Rapid failsafe on both hot and cold supply failure
- Provides stable mixed water temperature with user override button on temperature handle at 38°C
- Includes check valve, strainer and flow regulator
- Part G compliant
- Isolators accessible from above the bath

Product	Size	Code
Heatguard® cool touch bar shower with lever handle	¾" FBSP loose nut	THRM300000
Heatguard® cool touch bar shower with thumb indent handle	¾" FBSP loose nut	THRM300005
Heatguard® bar shower with lever handle	¾" FBSP loose nut	THRM300010
Heatguard® bar shower with button handle	¾" FBSP loose nut	THRM300015

Accessories & Spares

Product	Code
8 L/min flow regulator	ZREG950002
Flow cartridge	SKIT300000
Temperature cartridge	SKIT300001
Lever handle, flow	ZNOB300000
Lever handle, temperature	ZNOB300001
Button handle, flow	ZNOB300005
Button handle, temperature	ZNOB300006
Thumb indent handle for cool touch model, flow	ZNOB300010
Thumb indent handle for cool touch model, temperature	ZNOB300015
Lever handle for cool touch model, flow	ZNOB300020
Lever handle for cool touch model, temperature	ZNOB300025
Wall plate covers and 'Z' connectors	ZKIT300000
Inlet with strainer and check valve	SKIT300002

SPECIFIERS TEXT: The shower mixer must be wall mounted, with separate temperature and flow control, WRAS approved, Type 2 and BS EN 1111:2017 compliant thermostatic bar shower mixer with removable and serviceable strainers, check valves, and a flow regulators.



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Timeflow Taps

606 and 506 Series Timeflow Basin and Bib Taps

- Supplied with an easily serviced one-piece cartridge
- Patented, technologically advanced mechanism provides a long working life and consistent run times
- One tap for both hot and cold can simplify stockholding and spares
- Security versions ensure the flow does not start until the button is released to prevent vandalism
- 15 second timed flow rate as per BS EN 816
- Saves up to 60% of water consumption when compared to conventional taps



Product	Size	Code
606 Basin Tap	½" MBSP	PUSH200000
506 Bib Tap	½" MBSP	PUSH200020
Cartridge for 606/506 T/Flow Taps		SKIT200060

SPECIFIERS TEXT: The time flow tap must be WRAS approved, conform to BSEN 816, push operated with 15 second flow time. The internal mechanism must be one piece cartridge design containing a wear resistant synthetic ruby. The tap must be rated to 10 bar static pressure and 6 bar working pressure with a maximum temperature of 80°C.



706 Series Timeflow Basin Taps

- 360° lever operation for ease of use by the less able
- Patented, technologically advanced internal mechanism provides a long working life and consistent run times
- One tap for both hot and cold can simplify stockholding and spares
- Saves up to 60% of water consumption when compared to conventional taps
- 15 second timed flow rate as per BS EN 816



Product	Size	Code
706 Basin Lever Tap	½" MBSP	PUSH200040



4000s Timeflow Basin and Mixer Tap

- Patented, technologically advanced internal mechanism provides a long working life and consistent run times
- Comes with an easily serviced one-piece cartridge
- Saves up to 60% of water consumption when compared to conventional taps
- 15 second timed flow rate as per BS EN 816

Product	Size	Code
4000 S Security Series Timeflow Basin Mixer Tap c/w Isolating Valves, Check Valves and Strainers	15mm	PUSH200070
Replacement cartridge		SKIT200070

SPECIFIERS TEXT: The tap must be WRAS approved and conform to BSEN 816. Monobloc in design the time flow mixer tap must have an anti-blocking feature and 15 second timed flow rate. The internal mechanism includes a synthetic ruby, self-cleaning mechanism, isolating valves, strainers and check valves.



Reliance Timeflow Basin Taps

- Supplied with an easily serviced one-piece cartridge
- One tap for both hot and cold can simplify stockholding and spares
- Includes both red and blue indices
- 15 seconds timed flow rate as per BS EN 816
- Saves up to 60% water consumption when compared with conventional taps
- Anti-vandal through self-closing

Product	Size	Code
Reliance Timeflow Basin Tap	½"	PUSH400000



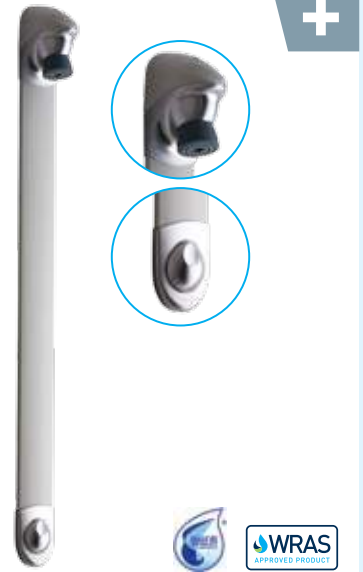
Shower Panels

DL400 SE Slimline Timeflow Shower Panels

- Low Profile shower, fits tight to the wall and does not encroach into showering area
- Easy touch control to activate the flow of water, ideal for children and the elderly
- Patented, technologically advanced internal mechanism provides a long working life and consistent run times
- Scale resistant, easy to clean, moveable or lockable shower head with integral flow regulator
- Top or back entry variants available, both supplied with isolating valves for ease of installation and maintenance
- Saves up to 60% of water consumption compared to conventional showers

Product	Size	Code
DL400 SE Shower Panel Exposed Slimline Grey	15mm	PANL400000
DL400 SE Shower Panel Concealed Slimline Grey	15mm	PANL400020
Cartridge for DL400 SE T/Flow Shower Panel		SKIT400000
Push Button for DL400SE Shower Panel		ZNOB400020
Control Knob Trigger DL400SE Shower Panel		ZFIX400020

SPECIFIERS TEXT: The shower must be WRAS approved, conform to BSEN 816 and be a self-contained one piece timed flow shower panel in grey aluminium with anti-scale showerhead incorporating an 8lpm flow regulator and easy touch button activation. The shower panel must have top or back inlet connections including isolation valve and be supplied with a BioCare foam gasket.



200 Series Caremix® Shower Panel

- Lever operated thermostatic control for ease of use, comfort and safety
- Uses the unique Reliance one-piece thermostatic cartridge to reduce maintenance time
- All internal pipe connections are made in copper to eliminate the possibility of bacteria breeding in rubber hoses
- Complete prefabricated shower, giving reduced installation times and value for money
- Ideal for retrofit installations to cover over old installation holes
- Top or back entry, grey and ivory versions available to suit many different applications

Product	Size	Code
200 Series Thermostatic Sequential Control Shower Panel - Exposed TMV3 Top In - Fixed Head Grey	15mm	PANL500200
200 Series Thermostatic Sequential Control Shower Panel - Exposed Thermostatic TMV3 Top In - Variable Riser Rail Grey	15mm	PANL500210
200 Series Thermostatic Sequential Control Shower Panel - Exposed TMV3 Top In - Fixed Head Ivory	15mm	PANL500205
200 Series Thermostatic Sequential Control Shower Panel - Exposed TMV3 Top In - Variable Riser Rail Ivory	15mm	PANL500215
Caremix® Thermostatic cartridge		SKIT100008

SPECIFIERS TEXT: The shower panel must be WRAS and TMV3 approved and comply with BS 7942 and HTM 0401 D08 with sequential thermostatic control and (either) an anti-scale fixed shower head with 8lpm internal flow regulation or a hand shower with flexible hose and slide rail. All internal pipe connections must be copper. The internal cartridge must be the Caremix thermostatic cartridge.



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Shower Panels

Shower Panel Optional Extras

- Anti-ligature panel gasket - negates need for silicone sealant and prevents contamination
- Anti-ligature quick release couplings - to allow quick release/reconnection of hose and handset in high risk environments
- Ceiling trim

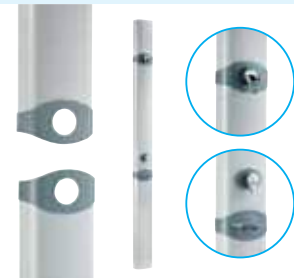
Product	Size	Code
Ceiling Trim For Shower Panels		PBAR100001
EPDM Foam Gasket Curved	316 x 10 x 1mm	GSKT100001
EPDM Foam Gasket	1220 x 210 x 10mm	GSKT100005
Quick Release Coupling Unvalve	½" FBS	ZADP500270
Quick Release Coupling	½" MBSP	ZADP500275



Shower Panel Finishing Profile System

- Extends shower panel cover to floor and/or ceiling

Product	Code
Shower Panel Finishing Profile system 400mm Grey	COVR400400
Shower Panel Finishing Profile system 400mm Ivory	COVR400405
Shower Panel Finishing Profile system 800mm Grey	COVR400800
Shower Panel Finishing Profile system 800mm Ivory	COVR400805



Timeflow Showers

503 ER Series Exposed Timeflow Showers

- Complete kit including shower head, fixings and the timeflow control
- Patented, technologically advanced internal mechanism provides a long working life and consistent run times
- Comes with an easily serviced one-piece cartridge
- Provided with ¾" union connections and 15mm reducers for flexibility in installation
- Saves up to 60% of water consumption when compared to conventional showers
- 30 seconds timed flow control as per BS EN 816

Product	Size	Code
503 E Exposed Timeflow Shower Valve only	15mm	SELF200025
Spare Cartridge for 503 ER		SKIT200025



DID YOU KNOW?

Reliance's DL400 SE Shower Panel features in the Bangor Aurora Aquatic and Leisure Complex. The pre-plumbed, slimline shower panels combine water efficiency, reliability and straightforward maintenance with simple touch controls for ease of use.



Timeflow Showers

Reliance Exposed Timeflow Showers

- Includes shower head, fixings and the timeflow control
- No-concussive (self closing)
- Saves water consumption
- Ideal for public facilities
- 15-20 second flow time

Product	Code
Reliance Timeflow Shower	SELF300200



Reliance Concealed Timeflow Shower

- Non-Concussive (self-closing), anti-vandal push button control
- Saves water consumption
- Ideal for public facilities
- 15-20 second flow time
- WRAS pending

Product	Size	Code
Reliance Concealed Timeflow Shower	15mm	SELF300205



Exposed & Concealed Showerheads

Anti-Ligature Showerheads

- Ultra low profile, smooth anti-ligature surfaces prohibit any attachments being made, preventing vandalism and providing safety
- The central spray grid can easily be removed and cleaned at maintenance times
- Anti-rotation pins prevent any unauthorised movement

Product	Size	Code
Cross wall anti ligature showerhead 1 - 150mm	½" MBSP	SENS510115
Panel mount anti ligature showerhead 1 - 50mm	½" MBSP	SENS510120



Urinal Flush Controls

Governor Valve

- Compact unit, allowing easier installation in ceiling or wall cavities
- Can be installed in vertical or horizontal orientation: for maximum flexibility
- Adjustable flow rate, with Allen key supplied, for adaptation to suit system requirements
- Brass body with cover provides a robust and reliable unit, with no maintenance required
- No power supply required, making installation straightforward and no running costs

Product	Code
Pressure operated urinal flush valve	PUCF100001

SPECIFIERS TEXT: A flushing control device that operates mechanically and hydraulically by sensing changes in system pressure due to demand on connected water services. The flushing control device shall have an adjustable flow rate 0.5 - 4 lpm and be capable of vertical or horizontal installation.



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HEATING & COOLING DISTRIBUTION SYSTEMS

Innovative solutions for control and delivery of heating and hot water in multi-occupancy buildings.

- 51 Thermal Interface Units (TIUs)
- 52 Metering
- 53 Valves



FEATURED PRODUCT:

Tenant Valve Plus



The Tenant Valve Plus combines a number of functions in one compact self-contained unit to control and monitor water supply to multi-unit sites, such as flats or offices. It incorporates a ball type isolating valve, also approved as a stop valve, pressure reducing valve, double check valve, dual reading pressure gauge/test point and a connection point for optional addition of a Class 'A' water meter. Alternatively, an adaptor is available from RWC to fit a Class 'D' water meter. All components are accessible from one side of the valve, which is supplied with a moulded insulating cover.

Spotlight Features:



SINGLE UNIT CARTRIDGE DESIGN

Ensures a quick and easy installation



PATENTED DUAL READING PRESSURE GAUGE

Displays both the inlet and outlet pressures.



Other Features & Benefits:

- A space saving, compact water monitoring unit, ideal for apartment blocks and multi-occupancy buildings
- Consists of ball type isolating valve, pressure reducing valve, double check valve, pressure gauge/test point and a connection point for RWC single jet water meter
- Reduced leakage potential and easy maintenance
- For use up to 16.0 bar pressure and temperatures up to 80°C
- Adjustable between 1.5-5.0 bar
- Supplied complete with 3/4" or 1" FBSP connections and a moulded insulation protection box with identity labels
- Anti-tamper security tag: wire from water meter can be affixed to valve body to prevent or detect tampering



Thermal Interface Unit (TIU)

Radiance Rapid Thermal Interface Unit

- Twin plate heat exchangers to generate instantaneous domestic hot water and indirect space heating
- Hydraulic connections are made through ball valves at the top of the unit
- Supplied with FBSP connections as standard
- Pipes can be run behind the back plate to allow for bottom connection (if required)
- Fully pre-assembled and leak tested
- Conforms to Building Regulations part L (2010)

Product	Type	Code
50kW DHW with thermostatic bypass valve, thermostatic heating control valve, modulation valve and ultrasonic heat meter	Instantaneous	RTIU702001
70kW DHM with thermostatic bypass valve, thermostatic heating control valve, tempering valve and ultrasonic heat meter	Instantaneous	RTIU702002



Radiance Swift Thermal Interface Unit

- Single plate heat exchanger to generate instantaneous domestic hot water with direct space heating
- Hydraulic connections are made through ball valves at the top of the unit
- Supplied with FBSP connections as standard
- Pipes can be run behind the back plate to allow for bottom connection (if required)
- Fully pre-assembled and leak tested
- Conforms to Building Regulations part L (2010)

Product	Type	Code
70kW DHW with thermostatic bypass valve, tempering valve and ultrasonic heat meter	Instantaneous	RTIU704001



Radiance Active Thermal Interface Unit

- Single plate heat exchangers to generate instantaneous domestic hot water only
- Hydraulic connections are made through ball valves at the top of the unit
- Supplied with FBSP connections as standard
- Pipes can be run behind the back plate to allow for bottom connection (if required)
- Fully pre-assembled and leak tested
- Conforms to Building Regulations part L (2010)

Product	Type	Code
50kW DHW with thermostatic bypass valve, tempering valve and ultrasonic heat meter	Instantaneous	RTIU706001



Radiance Spirit Thermal Interface Unit

- Designed to work in conjunction with a standard DHW storage cylinder
- A single plate heat exchanger unit, allows the cylinder to be easily connected to a heat network
- Window allows for the heat meter to be read without the need to remove the cover
- Hydraulic connections are made through ball valves at the top of the unit
- Supplied with FBSP connections as standard
- Pipes can be run behind the back plate to allow for bottom connection (if required)
- Fully pre-assembled and leak tested
- Conforms to Building Regulations part L (2010)

Product	Type	Code
50kW DHW with thermostatic bypass valve, tempering valve and ultrasonic heat meter	Storage	RTIU705002



Metering

VThree ENE3 Smart Meter

- Enables the billing and monitoring of up to three energy types
- Controlled with a multi-functional touch screen
- Uses the Zig Bee protocols, to form a local 'mesh-network' to establish connections back to a Gateway
- Full wireless remote monitoring and adding of customer payments via smartphone
- Energy monitoring and reporting - ENE 3 compliant displays
- Can be easily switched between prepayment or monthly billing options in one simple phone call



Product	Code
VThree Pre-Pay & Billing Unit	HETM690100
GSM Gateway for VThree Pre-Pay Units	HETM690105

Version R+ Prepayment Unit

- Accepts pulse and M-Bus inputs
- Back lit, multifunction display
- Key-pad input (all inputs are encrypted to prevent fraud)
- Easy retro-fit into legacy systems
- Wireless communication directly to and from the unit
- Tamper alerts



Product	Code
Wireless Prepayment Unit	HETM690003

Heat Meters

- Records all accounting data for measuring energy consumption in heating/cooling systems
- Utilise innovative ultrasonic technology
- Recording saved for last 24 months
- Rapid, reliable data transfer
- Easy to use, removable multi-function energy calculator with large display
- Conforms to MID class 2
- Heat meters include M-Bus for automated remote reading



Product	Size	Code
Ultrasonic Heat Meter with M-Bus	DN15 3/4" X 110mm	HETM600001
Ultrasonic Heat Meter with M-Bus	DN20 1" x 130mm	HETM600011
Mechanical Heat Meter	DN15 3/4" X 110mm	HETM600002

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Valves

Tenant Valve Plus

- A space saving, compact water monitoring unit, ideal for apartment blocks and multi-occupancy buildings
- Consists of ball type isolating valve, pressure reducing valve, double check valve, test point and a connection point for RWC single jet water meter
- Also includes a unique, patented double reading pressure gauge to monitor both inlet and outlet pressures
- Single cartridge unit design ensures a quick and easy installation, reduced leakage potential and easy maintenance, saving cost
- Supplied pre-insulated further reducing installation time and cost
- For use up to 16.0 bar pressure and temperatures up to 80°C
- Adjustable between 1.5 - 6.0 bar
- Adaptor available to allow for installation of class 'D' meter suitable for use as a primary charging meter
- Supplied complete with either 3/4" or 1" FBSP connections and a moulded insulation protection box

Product	Size	Code
Tenant Valve Plus	3/4"	TVAP201001
Tenant Valve Plus	1"	TVAP201005

SPECIFIERS TEXT: A one piece WRAS approved control manifold incorporating, in the following order, an extended lever isolating ball valve WRAS approved as a stop cock, a cartridge type pressure reducing valve, a pressure gauge, a water meter connection point and double check valve. The pressure gauge shall be double reading to show both inlet and outlet pressure. The double check valve shall be removable for servicing. The assembly shall be supplied in a purpose built insulated cover and all components shall be accessible from one side of the valve.



Tenant Valve Spares

Product	Code
Class D water meter adaptor	TADP200075
Dual reading pressure gauge for Tenant Valve Plus	GAGE201001
Class 'A' cold water meter cartridge	WATM110700
Class 'A' hot water meter cartridge	WATM110750
Retrofit clip-on pulse output cap	PCAP110700
Replacement one-piece cartridge for Tenant Valve Plus	REDC201001
Double check valve assembly for Tenant Valve Plus	TCHK201001
Spare insulation for Tenant Valve Plus	INSU201001



Heatguard® UFH

- High flow rates - suitable for systems up to 250sqm
- Quick reaction to supply temperature changes, keeps system temperatures stable
- User adjustable between 35 - 60°C to be suitable for all types of floor
- Compression type connections for ease of installation
- Lockable temperature adjustable mechanism to prevent tampering

Product	Size	Code
Heatguard® UFH Blending Valve	22mm	HEAT219058
Heatguard® UFH Blending Valve	28mm	HEAT115002
Service Kit		SKIT980021

SPECIFIERS TEXT: Thermostatic mixing valve to BS1415 Pt2, in 28mm or 22mm compression connections for underfloor heating systems up to 250 sq meters (Select appropriate range code).



Valves

Harron Valve (Combined Thermal Balancing Valve / Pressure Reducing Valve)

- Single unit cartridge design ensures a quick and easy installation
- Reduces design complexity and avoids installation error
- Reduced leakage potential and easy maintenance, saving cost
- Supplied pre-insulated further reducing installation time and cost
- Easy temperature adjustment between 40 - 65°C with tamperproof cap
- Built-in disinfection function to protect against Legionella
- Dry-fit thermometer - no need to drain the system down
- High flow rate design
- 'Lift and turn' mechanism for ease of pressure adjustment
- One piece easiset cartridge with fully serviceable strainer
- Also available with SharkBite® Metal Push-fit connections for even quicker installation

Product	Size	Code
Harron Valve (PRV/TBV)	½"	TREG200001
Harron Valve (PRV/TBV)	¾"	TREG200002
Harron Valve with SharkBite® Connectors	15mm pushfit	SBTREG200001
Harron Valve with SharkBite® Connectors	22mm pushfit	SBTREG200002
Spare Temperature Gauge		GAGE100060
Service kit		SKIT100060
Spare Insulation Case	½"	INSU200001
Spare Insulation Case	¾"	INSU200002
Replacement Cartridge	¾"	REDC320002
Spare Pressure Gauge	¼" MBSP back inlet	GAGE250017

SPECIFIERS TEXT: A one piece combination pressure reducing and thermostatic balancing valve. The pressure reducing valve must be one piece cartridge style in construction, low noise design with a lift and turn lockable adjustment mechanism adjustable between 1.5-6 bar and have a pre-fitted pressure gauge. The thermal balancing valve must include a disinfection function, dry fit thermometer, pre-fitted insulation case and identity tag. The valve must be WRAS approved to UK water regulations, adjustable between 40°C and 65°C.



Safe T Leakage Protection System

- Monitors system flow rates and times to identify leaks and isolates the system
- Holiday mode intensifies monitoring
- Multitude of programming options to suit all applications
- Optional floor ensor to detect even small leaks
- Docking point allows connection of other controls such as water filters, quickly and easily
- Minimises water damage if a leak occurs
- Universal flange allows for vertical or horizontal pipe installations
- Alarm can be set up for audio alert
- Battery or mains supply (with back-up battery)
- Low voltage supply

Product	Inlet Sizes	Code
Safe T leakage protection system		PROT150001
Universal flange	¾"	DRUF500001
Universal flange	1"	DRUF500002
Universal flange	1¼"	DRUF500003



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PLUMBING SYSTEMS

SharkBite[®], slimline, metal, push-fit plumbing system suitable for all domestic and commercial applications.



FEATURED PRODUCT:

SharkBite® Pushfit Plumbing Solutions



SharkBite® fittings are engineered to provide an extremely fast, secure and reliable method of joining Copper, Chromed Copper, PEX, Polybutylene and Carbon Steel pipework. All fittings are demountable and can be reused when required.

The easy installation method greatly reduces installation time and a secure, sealed joint is always achieved. The bodies are manufactured from ultra-low lead DZR brass and pressure rated to 10 bar at 120°C. Fittings are available in 7 popular sizes from 10mm up to 54mm and are WRAS approved.

Spotlight Features:



GRAB-RING

The sharp stainless steel teeth of the internal grab ring bite into the pipe once pushed into the fitting, gripping it tightly. The watertight seal is created by the specially formulated material of the o-ring which compresses to create a perfect seal. A SharkBite® demount tool can be used to remove a fitting and it is immediately reusable.



DZR BRASS BODY

All SharkBite® fittings are manufactured from a premium quality Dezincification Resistant Alloy (DZR) with an ultra low lead content (maximum 0.2%), helping installers and specifiers deliver a high level of drinking water quality which meets the European Union Drinking Water Directive (98/83/EC).

Other Features & Benefits:

- Manufactured from ultra-low lead DZR brass
- Demountable and instantly re-usable
- Fully rotatable once installed
- Electrically continuous
- Compatible with the five main types of plumbing pipe; Copper, Chromed Copper, PEX, Polybutylene and Carbon Steel
- Rated to 10bar at 120°C
- WRAS approved

DZR Brass Fittings (Rated to 120°C at 10.0 bar)

SharkBite® Coupling

Product	MOQ/ Pk Size	Size	Code
Coupling	5	10mm	SB0110
Coupling	10	15mm	SB0115
Coupling	5	22mm	SB0122
Coupling	5	28mm	SB0128
Coupling	1	35mm	SB0135E
Coupling	1	42mm	SB0142E
Coupling	1	54mm	SB0154E



SharkBite® Reducing Coupling

Product	MOQ/ Pk Size	Size	Code
Reducing Coupling	5	15mm x 10mm	SB011510
Reducing Coupling	5	22mm x 15mm	SB012215
Reducing Coupling	1	28mm x 22mm	SB012822
Reducing Coupling	1	35mm x 28mm	SB013528E
Reducing Coupling	1	42mm x 35mm	SB014235E
Reducing Coupling	1	54mm x 42mm	SB015442E



SharkBite® Slip Coupling

Product	MOQ/ Pk Size	Size	Code
Slip Coupling	10	15mm	SB0115S
Slip Coupling	5	22mm	SB0122S
Slip Coupling	5	28mm	SB0128S
Slip Coupling	1	35mm	SB0135SE
Slip Coupling	1	42mm	SB0142SE
Slip Coupling	1	54mm	SB0154SE



SharkBite® 90° Elbow

Product	MOQ/ Pk Size	Size	Code
90° Elbow	5	10mm	SB0210
90° Elbow	10	15mm	SB0215
90° Elbow	5	22mm	SB0222
90° Elbow	5	28mm	SB0228
90° Elbow	1	35mm	SB0235E
90° Elbow	1	42mm	SB0242E
90° Elbow	1	54mm	SB0254E



SharkBite® 45° Elbow

Product	MOQ/ Pk Size	Size	Code
45° Elbow	10	15mm	SB0515
45° Elbow	5	22mm	SB0522
45° Elbow	5	28mm	SB0528
45° Elbow	1	35mm	SB0535E
45° Elbow	1	42mm	SB0542E
45° Elbow	1	54mm	SB0554E



DZR Brass Fittings (Rated to 120°C at 10.0 bar)

SharkBite® 90° Street Elbow

Product	MOQ/ Pk Size	Size	Code
90° Street Elbow	5	15mm	SB0215ST
90° Street Elbow	5	22mm	SB0222ST
90° Street Elbow	5	28mm	SB0228ST



SharkBite® 45° Street Elbow

Product	MOQ/ Pk Size	Size	Code
45° Street Elbow	5	15mm	SB0515ST
45° Street Elbow	5	22mm	SB0522ST
45° Street Elbow	5	28mm	SB0528ST



SharkBite® 90° Male Elbow

Product	MOQ/ Pk Size	Size	Code
90° Male Elbow	5	15mm x 1/2" BSP	SB121515M
90° Male Elbow	5	22mm x 3/4" BSP	SB122220M



SharkBite® 90° Female Elbow

Product	MOQ/ Pk Size	Size	Code
90° Female Elbow	5	15mm x 1/2" BSP	SB121515F



SharkBite® 90° Elbow with Backplate

Product	MOQ/ Pk Size	Size	Code
90° Elbow with Backplate	5	15mm x 1/2" BSP	SB121515FBP



SharkBite® Equal Tee

Product	MOQ/ Pk Size	Size	Code
Equal Tee	5	10mm	SB0310
Equal Tee	10	15mm	SB0315
Equal Tee	5	22mm	SB0322
Equal Tee	1	28mm	SB0328
Equal Tee	1	35mm	SB0335E
Equal Tee	1	42mm	SB0342E
Equal Tee	1	54mm	SB0354E



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DZR Brass Fittings (Rated to 120°C at 10.0 bar)

SharkBite® Slip Tee

Product	MOQ/ Pk Size	Size	Code
Slip Tee	1	15mm	SB0315S
Slip Tee	1	22mm	SB0322S
Slip Tee	1	28mm	SB0328S
Slip Tee	1	35mm	SB0335SE
Slip Tee	1	42mm	SB0342SE
Slip Tee	1	54mm	SB0354SE



SharkBite® Female Branch Tee

Product	MOQ/ Pk Size	Size	Code
Female Branch Tee	10	15mm x 15mm x 1/2" BSP	SB03151515F



SharkBite® Reduced Branch Tee

Product	MOQ/ Pk Size	Size	Code
Reduced branch tee	1	22mm x 22mm x 10mm	SB03222210
Reduced branch tee	5	22mm x 22mm x 15mm	SB03222215
Reduced branch tee	5	28mm x 28mm x 15mm	SB03282815
Reduced branch tee	5	28mm x 28mm x 22mm	SB03282822
Reduced branch tee	1	35mm x 35mm x 15mm	SB03353515E
Reduced branch tee	1	35mm x 35mm x 22mm	SB03353522E
Reduced branch tee	1	35mm x 35mm x 28mm	SB03353528E
Reduced branch tee	1	42mm x 42mm x 22mm	SB03424222E
Reduced branch tee	1	42mm x 42mm x 28mm	SB03424228E
Reduced branch tee	1	42mm x 42mm x 35mm	SB03424235E
Reduced branch tee	1	54mm x 54mm x 28mm	SB03545428E
Reduced branch tee	1	54mm x 54mm x 35mm	SB03545435E
Reduced branch tee	1	54mm x 54mm x 42mm	SB03545442E



SharkBite® Reduced Run Tee

Product	MOQ/ Pk Size	Size	Code
Reduced run tee	5	22mm x 15mm x 22mm	SB03221522



SharkBite® Reduced Branch and Run Tee

Product	MOQ/ Pk Size	Size	Code
Reduced branch and run tee	5	22mm x 15mm x 15mm	SB03221515



SharkBite® Multi-Port Tee

Product	MOQ/ Pk Size	Size	Code
Multi-port tee	1	42mm	SB0342MPE
Multi-port tee	1	54mm	SB0354MPE



DZR Brass Fittings (Rated to 120°C at 10.0 bar)

SharkBite® Male Connector (Tapered Thread)

Product	MOQ/ Pk Size	Size	Code
Male Connector	5	15mm x 1/2" BSP	SB111515MT
Male Connector	5	22mm x 3/4" BSP	SB112220MT
Male Connector	1	28mm x 1" BSP	SB112825MT
Male Connector	1	35mm x 1 1/4" BSP	SB113532ME
Male Connector	1	42mm x 1 1/2" BSP	SB114240ME
Male Connector	1	54mm x 2" BSP	SB115450ME



SharkBite® Male Connector (Parallel Thread)

Product	MOQ/ Pk Size	Size	Code
Male Connector	5	15mm x 1/2" BSP	SB111515MP
Male Connector	5	22mm x 3/4" BSP	SB112220MP



SharkBite® Male Tank Connector

Product	MOQ/ Pk Size	Size	Code
Male Tank Connector	1	15mm x 1/2" BSP	SB111515MTC
Male Tank Connector	1	22mm x 3/4" BSP	SB112220MTC



SharkBite® Female Connector (Parallel Thread)

Product	MOQ/ Pk Size	Size	Code
Female Connector	5	15mm x 1/2" BSP	SB111515F
Female Connector	5	22mm x 3/4" BSP	SB112220F
Female Connector	1	28mm x 1" BSP	SB112825F
Female Connector	1	35mm x 1 1/4" BSP	SB113532FE
Female Connector	1	42mm x 1 1/2" BSP	SB114240FE
Female Connector	1	54mm x 2" BSP	SB115450FE



SharkBite® Tap Connector

Product	MOQ/ Pk Size	Size	Code
Tap Connector	5	15mm x 1/2" Loose Nut	SB141515
Tap Connector	5	22mm x 3/4" Loose Nut	SB142220



SharkBite® 90° Tap Connector Elbow

Product	MOQ/ Pk Size	Size	Code
90° Tap Connector Elbow	5	15mm x 1/2" Loose Nut	SB141515E



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DZR Brass Fittings (Rated to 120°C at 10.0 bar)

SharkBite® End Stop

Product	MOQ/ Pk Size	Size	Code
End Stop	5	10mm	SB0410
End Stop	10	15mm	SB0415
End Stop	5	22mm	SB0422
End Stop	5	28mm	SB0428
End Stop	1	35mm	SB0435E
End Stop	1	42mm	SB0442E
End Stop	1	54mm	SB0454E



SharkBite® Straight Reducing Tails

Product	MOQ/ Pk Size	Size	Code
Straight Reducing Tails	5	15mm x 10mm	SB211510
Straight Reducing Tails	5	22mm x 15mm	SB212215
Straight Reducing Tails	5	28mm x 15mm	SB212815
Straight Reducing Tails	5	28mm x 22mm	SB212822



SharkBite® Single Branch Manifold Tee

Product	MOQ/ Pk Size	Size	Code
Single Branch Manifold Tee	1	22mm x 22mm x 10mm	SB01221022ST



SharkBite® Double Branch Manifold Tee

Product	MOQ/ Pk Size	Size	Code
Double Branch Manifold Tee	1	22mm x 22mm x 10mm x 10mm	SB0122101022ST



PEX Barrier Pipe & Pipe Liners

PEX Barrier Pipe (5 layer)

Product	MOQ/ Pk Size	Size	Code
PEX Pipe 25m coil	1	15mm	SBPXT1525
PEX Pipe 25m coil	1	22mm	SBPXT2225
PEX Pipe 25m coil	1	28mm	SBPXT2825
PEX Pipe 50m coil	1	15mm	SBPXT1550
PEX Pipe 50m coil	1	22mm	SBPXT2250
PEX Pipe 50m coil	1	28mm	SBPXT2850
PEX Pipe 3m straight length	20	15mm	SBPXT153
PEX Pipe 3m straight length	20	22mm	SBPXT223



PEX Pipe Liners

Product	MOQ/ Pk Size	Size	Code
PEX pipe liners	100	15mm	SBPXL15
PEX pipe liners	100	22mm	SBPXL22
PEX pipe liners	100	28mm	SBPXL28



Accessories

Depth Marker/Disconnecting Clip

Product	MOQ/ Pk Size	Size	Code
Depth marker/disconnecting clip	1	10mm	SB2910
Depth marker/disconnecting clip	1	15mm	SB2915
Depth marker/disconnecting clip	1	22mm	SB2922
Depth marker/disconnecting clip	1	28mm	SB2928



Disconnecting Clip

Product	MOQ/ Pk Size	Size	Code
Disconnecting clip	1	35mm	SB2935
Disconnecting clip	1	42mm	SB2942
Disconnecting clip	1	54mm	SB2954



Depth Marker/Disconnecting Clip Set

Product	MOQ/ Pk Size	Size	Code
Depth marker/disconnecting clip set	1	10-28mm	SB2910-28



Depth Marker

Product	MOQ/ Pk Size	Size	Code
Depth marker	1	35-54mm	SB2935-54

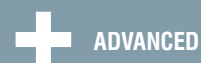


Disconnecting Tongs

Product	MOQ/ Pk Size	Size	Code
Disconnecting tongs	1	10mm	SB3010
Disconnecting tongs	1	15mm	SB3015
Disconnecting tongs	1	22mm	SB3022
Disconnecting tongs	1	28mm	SB3028



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Accessories & Manifolds

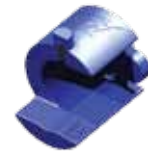
PEX Pipe Bend Former

Product	MOQ/ Pk Size	Size	Code
PEX pipe bend former	1	15mm	SBPXFB15
PEX pipe bend former	1	22mm	SBPXFB22



Pipe Scribing Tool

Product	MOQ/ Pk Size	Size	Code
Pipe Scribing Tool	1	15-54mm	SB3415



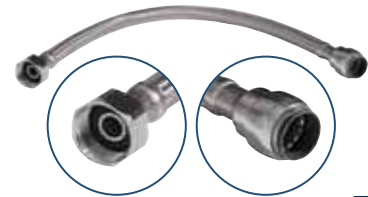
Silicone Lubricant Grease

Product	MOQ/ Pk Size	Size	Code
Silicone Lubricant Grease	1	100g	SBSG



SharkBite® Pushfit to Female BSP Flexible Connectors

Product	MOQ/ Pk Size	Size	Code
Pushfit to Female BSP Flexible Connector - 300mm	1	15mm x 1/2" BSP	SB231530015F
Pushfit to Female BSP Flexible Connector - 300mm	1	15mm x 1/2" BSP	SB231550015F
Pushfit to Female BSP Flexible Connector - 300mm	1	15mm x 3/4" BSP	SB231530020F
Pushfit to Female BSP Flexible Connector - 300mm	1	15mm x 3/4" BSP	SB231550020F
Pushfit to Female BSP Flexible Connector - 300mm	1	22mm x 3/4" BSP	SB232230020F
Pushfit to Female BSP Flexible Connector - 300mm	1	22mm x 3/4" BSP	SB232250020F



SharkBite® Pushfit to Pushfit Flexible Connector

Product	MOQ/ Pk Size	Size	Code
Pushfit to Pushfit Flexible Connector - 300mm	1	15mm x 15mm	SB231530015



Potable Water Manifolds

- Pushfit connections for ease of installation
- All inlet sizes are 3/4" MBSP, outlet sizes are 15mm push-fit or Euroconus
- Universal product, suitable for hot or cold water systems
- Indicators to identify the fixtures supplied by each port
- DZR brass body
- Union connection allows multiple manifolds to be connected together

Product	MOQ/ Pk Size	Size	Code
2 port water manifold	1	15mm pushfit	MANA500522
3 port water manifold	1	15mm pushfit	MANA500523
4 port water manifold	1	15mm pushfit	MANA500524
2 port water manifold Euroconus	1	3/4" MBSP	MANA500552
3 port water manifold Euroconus	1	3/4" MBSP	MANA500553
4 port water manifold Euroconus	1	3/4" MBSP	MANA500554



#			
100 & 101 Replacement Relief Valve Cartridges	31		
100 Series Sealed Heating System High Capacity Pressure Relief Valves	32		
101 Series Sealed Heating System Pressure Relief Valves	32		
102 Series Potable Water Pressure Relief Valves	34		
102 and 104 Series Replacement Pressure Relief Cartridge	33		
104 Series High Capacity Potable Water Pressure Relief Valves	33		
107 Series Potable Water Pressure Relief Valves	33		
200 Series Caremix® Shower Panel	46		
312 Compact Series	13		
314 Series Dial-up	13		
503 ER Series Exposed Timeflow Showers	47		
606 and 506 Series Timeflow Basin and Bib Taps	45		
4000s Timeflow Basin and Mixer Tap	45		
A			
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Aquasystem® Expansion Vessel Mounting Brackets	29		
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Aquasystem® Replaceable Membrane Potable Water Expansion Vessels	28		
Ausimix® Compact	7		
Ausimix® Compact Telescopic	7		
Automatic Air Vent	35		
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C			
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Caremix® Prime S3 Monobloc TMV3 Approved Thermostatic Taps	39		
Caremix® Prime T3 Wall Mounted TMV3 Approved Thermostatic Taps	39		
Caremix® Tap Spares	41		
Caremix® Thermostatic Cartridge	40		
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Heatguard® Planar	9		
Heatguard® Style	6		
Heatguard® Tempering Valve	9		
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With operations in six locations – Australia, United States, United Kingdom, Europe, New Zealand and Canada – ***we're truly a global brand.***

From our centre of excellence in Worcestershire, home to a team of specialists, we can offer the best of both worlds - international experience and an in-depth understanding of all sectors in the UK.

BETTER CONNECTED.

At Reliance our reputation is not only built on our heritage, products and achievements, it is also down to providing unbeatable levels of customer service.

Both our Customer Support Team and Technical Support Team are readily available to help with product advice, technical enquiries and any installation issues. Throughout the UK, our Sales Managers are also on-hand to discuss product specifications with you.

Whatever support you need, or for further information about a project enquiry, please contact us:

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ACCREDITED AND ASSURED.

The Reliance aim is to fill our customers with complete confidence. One of the ways we achieve this, aside from providing an innovative product range and market-leading service, is to be an accredited manufacturer to the following International Standards:



BS EN ISO 9001

This quality management system helps us to continually monitor and manage across our business, enabling consistent performance and service at all times.



TMV2

TMV2 approval is for the domestic thermostatic sector and uses BS EN 1111 and BS EN1287 as a basis for the thermostatic valves performance testing.



BS EN ISO 14001

An internationally accepted environmental standard. Enables us to control, monitor and reduce waste and emissions as well as conform to legal and regulatory requirements.



TMV3

TMV3 approval is for the Healthcare and Commercial thermostatic sector. As the basis for this testing, it uses the NHS specification D08.



ISO 22301

The international standard for business continuity enables us to understand threats. It helps protect our business and ensures we can recover from any disruptive incidents.



TYPE 2 TMV

Type 2 TMV approval is for the domestic thermostatic sector and uses BS EN 1111 and BS EN1287 as a basis for the thermostatic valves performance testing.



BSI CE

The BSI CE mark scheme is about compliance. It confirms that our products conform with all applicable European Directives and Regulations.



TYPE 3 TMV

Type 3 approval is for the Healthcare and Commercial thermostatic sector. As the basis for this testing, it uses the NHS specification D08.



BSI KITEMARK

This product certification scheme confirms that a product or service conforms to a particular standard and is subject to regular inspection.



THE WATER TECHNOLOGY LIST

This government list promotes products that encourage sustainable water use and rewards businesses for investing in them through the Enhanced Capital Allowance scheme.



BUILD CERT

Product certification from WRc NSF, an independent UK testing organisation with over 75 years' experience. It ensures all our products are of the same high quality.



WRAS

WRAS approval ensures that any water fitting receiving water from the UK public mains water supply does not cause waste, misuse, undue consumption or contamination.



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