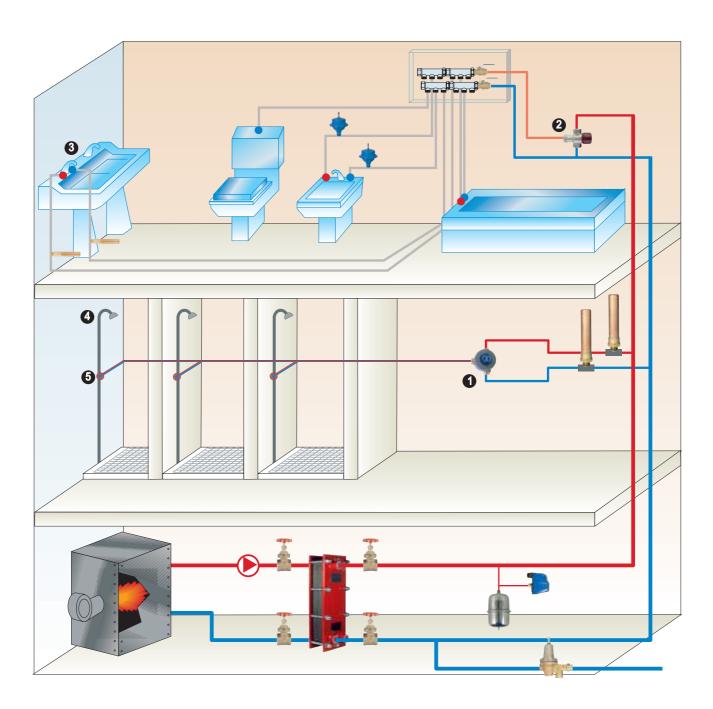
# Thermostatic mixing valves and shower equipment





# **EXAMPLE OF APPLICATION**



- 1 Group thermostatic mixing valve.2 Thermostatic mixing valve.
- **3** Push button basin taps.
- 4 Vandal resistant showerheads.
- **5** Push button time flow shower taps.





#### 61C

#### AQUAMIX.

Thermostatic mixing valve with 4 set positions. Anti-scald protection.

Setting range: 32°C to 50°C. Max. differential pressure: 2 bar.

Female connections. Without internal check valves.

Туре	Part number	Size body	Box Qty
61C	6109C12	1/2" F	1
61C	6110C34	3/4" F	1
61C	6111C1	1" F	1



#### 62C

#### **AQUAMIX**

Thermostatic mixing valve with 4 set positions. Anti-scald protection.

Setting range: 42°C to 60°C. Max. differential pressure: 2 bar.

Female connections. Without internal check valves.

Туре	Part number	Size body	Box Qty
62C	6209C12	1/2" F	1
62C	6210C34	3/4" F	1
62C	6211C1	1" F	1



#### **AQUAMIX NON-RETURN VALVE**

Non-return valve to suit above Aquamix valves. Should be fitted on all installations to prevent backflow. Brass body with nickel plating.

Copper compression inlet x BSP Male outlet.

Туре	Part number	Size body	Box Qty
4042	M10498	15 mm x 1/2" BSPM	1
4043	M10497	22 mm x 3/4" BSPM	1



# **AQUAMIX 2000 TMV3**

Thermostatic mixing valve approved to TMV3, suitable for installations requiring a mixing valve to conform to DO8 specifications for health care premises.

Available with fittings for straight connection to 15mm or 22mm pipework. Option also available with a pair of Angle 90° Isolating/Filter Ball valve with 15mm or 22mm connections.

Type	Part number	Size body	Configuration	Box Qty
TMV3	97104	15MM/22MM	STRAIGHT CONNECTIONS	1
TMV3	97119 - 15	15MM	ANGLE 4 IN ONE	1
TMV3	97119 - 25	22MM	ANGLE 4 IN ONE	1



#### **MMV**

Thermostatic mixing valve dependent on model, suitable for Care Home use to BS1415 Pt.2 or NHSE TMV3 D08 specifications. Fail safe shut-off to prevent scalding, with locking facility for added security.

DZR brass body with straight connections 15/22mm.

Operating temperature range: Min. 5°C to Max. 85°C.

Outlet temperature range: 35°C to 50°C.

Max. static pressure: 12 bar. Min. dynamic pressure: 0.1 bar.

Туре	Part number	Size body	Box Qty
BS1415 PT2	97107	12/22 MM	1
TMV3	97102	15/22 MM	1



#### **MMV - COMPACT**

Compact thermostatic mixing valve designed to supply general purpose applications with tempered water not exceeding a set temperature. Ideal for multi-facility applications: homes, schools, restaurants, motorway services, commercial buildings. Scald protection with rapid fail-safe if cold water supply is interrupted complying with BS1415 Pt.2 – TMV2.

#### **Features:**

- Easily installed thermostatic mixing valve.
- Handwheel with set positions, graduated scale Min to Max over 5 settings or Click Cover Cap on certain models.
- Locking cap preventing the end user from adjusting the temperature.
- Outstanding reliability.
- DZR brass body.
- Fitted with two check valves.
- Can be installed in any position.
- Nickel plated finish or self colour brass.
- Compliance with BS1415 Pt.2 TMV3.

#### **Specifications:**

- Operating pressure: 0.2 to 5 bar.
- Maximum static pressure: 10 bar.
- Hot water inlet temperature range: 52°C to 85°C (differential minimum hot/mix temperature must be 10°C.
- Cold water inlet temperature range: 5°C to 20°C.
- Temperature setting range: 30°C to 65°C.
- Factory temperature setting: 38°C.
- Flow rate at 3 bar: 57 l/min.
- Minimum flow rate: 5 l/min.
- Pressure on the inlets must be within the 5:1 ratio under flow conditions. The size and layout
  of pipework and in-line fittings must take this into consideration. Optimum performance
  achieved with equal pressure.
- Temperature accurate to within 1.5°C of chosen temperature setting (with balanced dynamic pressure).

#### **End Connections:**

- Body 1" with 1/2" Male Union threaded ends.
- Body 1" with 3/4" Male Union threaded ends.
- Body 1" with 22mm Compression fittings.
- Body 1" with 15mm Compression fittings.
- Body 1" with 1" Male threaded ends.

# MMV-C 1" body with Nickel Plated body Graduated Scale Cap

Туре	Part number	Connections	Box Qty
MMV-C	97134	1/2" M/M UNION	1
MMV-C	97136	3/4" M/M UNION	1
MMV-C	97140	22MM	1
MMV-C	97142	15MM	1
MMV-C	97138	1" M/M	1

# MMV-C 1" body with Nickel Plated body Click Cover Cap

Туре	Part number	Connections	Box Qty
MMV-C	97127	22MM	1
MMV-C	97126	15MM	1

# MMV-C 1" body with Plain Brass body Graduated Scale Cap

Type	Part number	Connections	Box Qty
MMV-C	97133	1/2" M/M UNION	1
MMV-C	97135	3/4" M/M UNION	1
MMV-C	97141	22MM	1
MMV-C	97139	22MM X 15MM REDUCING SET	1
MMV-C	97137	1" M/M	1





#### 170L

Thermostatic blending valves for commercial and industrial applications. Fast response, high capacity.

Adjustable temperature for 170L: 38°C to 55°C Min. temperature 1°C. Max. temperature 95°C. Min. flow rate for all sizes: 34 litres/min. Model 2" with cold water inlet 1-1/2"

Туре	Part number	Size body	Box Qty
170L	EDP274302	3/4"	1
170L	EDP274306	1"	1
170L	EDP274310	1-1/4"	1
170L	EDP274314	1-1/2"	1
170L	EDP274318	2"	1

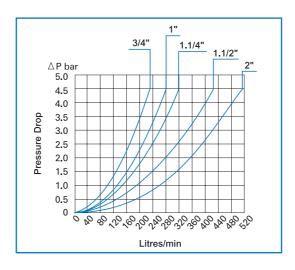


## 170H

Thermostatic blending valves for commercial and industrial applications. Fast response, high capacity.

Adjustable temperature for 170H: 55°C to 82°C Min. temperature 1°C. Max. temperature 95°C. Min. flow rate for all sizes: 34 litres/min. Model 2" with cold water inlet 1-1/2"

Туре	Part number	Size body	Box Qty
170H	EDP274301	3/4"	1
170H	EDP274305	1"	1
170H	EDP274309	1-1/4"	1
170H	EDP274313	1-1/2"	1
170H	EDP274317	2"	1





#### 64C

Mixing valve for boilers. Setting range : 49°C ÷ 71°C. Nominal pressure : 10 bar.

Туре	Part number	Size body	Box Qty	
64C	6410C12	1/2"	1	



#### 68C

Mixing valve for boilers. Setting range : 40°C ÷ 62°C. Nominal pressure : 10 bar.

Type	Part number	Size body	Box Qty
68C	6810C12	1/2"	1



## **MINIMIX**

Thermostatic mixing valve. Designed to supply sinks,hand wash-basins or electronic faucets. Provides high security level against scalding and Legionella bacteria.Ideal for multi-facility applications: hospitals, nursing homes, hotels, schools, restaurants, laboratories, motorway services. Body: DZR brass CW602N chrome polished. Cap: ABS. Max working pressure: 10 bar Factory set temperature: 38°C. Minimum flow rate: 5 l/min. Under 1bar: 14,9 l/min-2bar: 22 l/min - 3bar: 25l/min. Temperature setting range: 30°C to 70°C. Max inlet hot water: 85°C.

#### Compliance with EN1111.

Part number	Hot Water Inlet	Cold Water Inlet	Mixed Outlet	Size body	Box Qty
97320	Female Free Nut	Male thread	Male thread	3/8"	1
97321	Male thread	Male thread	Male thread	1/2"	1
97322	Female Free Nut	Compression 12mm	Compression 12mm	3/8"	1
97323	Compression	Compression	Compression	1/2"	1
	15mm	15mm	15mm		

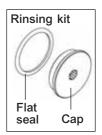
# **Typical installation**

Paralell to the wall



Perpendicular to the wall









#### THERMOSTATIC MIXING VALVE

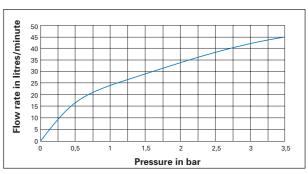


#### TL

Thermostatic mixer for widely differing applications such domestic applications, in schools, restaurants. Wall-mounted fixture, not graduated, to be set during installation phase. Brass body. White polypropylene. Protection knob fastened by socket head screw. Hot/cold water inlet 1/2" F. Two mixed water outlets (at bottom or top) 1/2" F.

**Anti-scald protection**: water shut off in less than 2 seconds in the event of cold water missing. Max. pressure: 10 bar. **Setting range:** 5°C to 80°C. Flow rate: 42 1/min at 3 bar. Max. hot water temperature: 85°C. Mixer warranted for 2 years.

Туре	Part number	Size body	Box Qty
TL	TL117	1/2" F	1





#### T9B/C

Thermostat mixer for the community, suitable for all sanitary appliances (showers, wash basins). It allows controlling and holding the temperature of the mixed water to a constant value also in the presence of variations in pressure (max. 1.5 bar). Hot water inlet provided on left, mixed water outlet at top. Brass body. Graduated knob, either white ABS (B) or chrome-plated (C). **Anti-scald protection**: water shut off in less than 2 seconds in the event of cold water missing. Operating pressure: 10 bar. **Setting range available:** (i) 15°C to 80°C. (ii) 40°C to 80°C. (iii) 0°C to 40°C. Flow rate: 3 to 42 l/min (as a guide consider the simultaneous coefficient).

Max. hot water temperature: 85 °C. \* as a guide consider the simultaneity coefficient.

Type	Part number	Size body	Setting range	Cap colour	Box Qty
T9B/C	T9715B	1/2" M	15°C to 80°C	White	1
T9B/C	T9715B48	1/2" M	40°C to 80°C	White	1
T9B/C	T9715B04	1/2" M	0°C to 40°C	White	1
T9B/C	T9715C	1/2" M	15°C to 80°C	Chrome	1
T9B/C	T9715C48	1/2" M	40°C to 80°C	Chrome	1
T9B/C	T9715C04	1/2" M	0°C to 40°C	Chrome	1
T9B/C	T9107B	3/4" M	15°C to 80°C	White	1
T9B/C	T9107B48	3/4" M	40°C to 80°C	White	1
T9B/C	T9107B04	3/4" M	0°C to 40°C	White	1
T9B/C	T9107C	3/4" M	15°C to 80°C	Chrome	1
T9B/C	T9107C48	3/4" M	40°C to 80°C	Chrome	1
T9B/C	T9107C04	3/4" M	0°C to 40°C	Chrome	1



#### BATHROOM MIXING VALVE

# MIXERS: T8137, T8147 & T8175

Compact insert thermostatic mixing valve for bathrooms and applications requiring an inset installation like shower cubicles and prefabricated shower panels.

Thermostatic mechanism consists of an interchangeable cartridge with built in filters, for top quality temperature regulation that can be dismantled and replaced without special tools, for easy scale removal and disinfection.

Flow rates for the upper and lower outlets are identical.

By removing the rosette and turning the cartridge up to the maximum setting, will allow the hot water to circulate above 60°C.

Mixers are fitted with integrated filters, check valves and stop valves, which are not fitted on the model T8175.

Stop and/or flow valves must be fitted to the mixed water on models T8137 and T8175. Body material: DZR brass.

Min. temperature: 15°C. Max. temperature: 50°C

Flow rates under 3 bar T8137: 50 l/min. Flow rates under 3 bar T8147: 32 l/min. Flow rates under 3 bar T8175: 42 l/min.



Part number	Description	Size body	Box Qty
T8137	Basic plain brass mixing valve body	1/2"F/3/4"M	1
T8137K	As T8137 with Temperature Kit and Installation Kit	1/2"F/3/4"M	1
T8137SM	As T8137K with Chrome Rosette fitting	1/2"F/3/4"M	1
T8137S	As T8137SM with Standard Chrome Handle	1/2"F/3/4"M	1
T8137C	As T8137SM with Consulat Chrome Handle	1/2"F/3/4"M	1
T8147	Basic plain brass mixing valve body	1/2"F/3/4"M	1
T8147K	As T8147 with Temperature Kit and Installation Kit	1/2"F/3/4"M	1
T8147SM	As T8147K with Chrome Rosette fitting	1/2"F/3/4"M	1
T8147S	As T8147SM with Standard Chrome Handle	1/2"F/3/4"M	1
T8147C	As T8147SM with Consulat Chrome Handle	1/2"F/3/4"M	1
T8175	Basic plain brass mixing valve body	1/2"F	1
T8175SM	As T8175K with Chrome Rosette fitting	1/2"F	1
T8175S	As T8175SM with Standard Chrome Handle	1/2"F	1
T8175C	As T8175SM with Consulat Chrome Handle	1/2"F	1



























#### **TX90**

#### ULTRAMIX.

Visible thermostatic mixers for community installations such as swimming pools, sports centres, schools, factories, camping sites, hospitals, spas, etc. which allow controlling and holding of the mixed water temperature at a constant level also in the presence of variations in pressure (max. 1.5 bar). Brass body. Cover with grey epoxy finish and blue graduated knob (Type E). Chrome-plated cover with white graduated knob (Type C). Anti-seize mechanism with filters and check valves. Bimetal steel strip coated with rilsan to protect against scale formation. **Temperature setting range: 10°C to 50°C** (on request 30°C to 70°C and 50°C and 90°C) with provision or locking. **Anti-scald protection**: water shut off in less than 2 seconds in the event of cold water missing. Max. operating pressure: 10 bar.

Max. hot water temperature: 85°C.

Flow rates guaranteed with upstream dynamic pressure: 3 bar Hot water inlet provided on the left, mixed water outlet at the top.

Min. difference in inlet/outlet temperature: 5°C

\*As a guide only contact the Sales Office to confirm suitability of selection made.



Type	Part number	Size body	Flow rate I/min	Box Qty
TX91	TX91E	3/4" M	3 – 56*	1
TX91	TX91C	3/4" M	3 – 56*	1
TX92	TX92E	3/4" M	3 – 80*	1
TX92	TX92C	3/4" M	3 – 80*	1
TX93	TX93E	1" M	3 – 120*	1
TX93	TX93C	1" M	3 – 120*	1
TX94	TX94E	1-1/4" M	5 – 175*	1
TX94	TX94C	1-1/4" M	5 – 175*	1
TX95	TX95E	1-1/2" M	5 – 260*	1
TX95	TX95C	1-1/2" M	5 – 260*	1
TX96	TX96E	2" M	6 – 400*	1
TX96	TX96C	2" M	6 – 400*	1



CAR-TX90

Spare cartridge for TX90 ULTRAMIX mixers.

Туре	Part number	For model	Flow rate I/min	Box Qty
CAR- TX90	TX1	9100E. 9100C	3 – 56	1
CAR- TX90	TX2	9200E, 9200C	3 – 80	1
CAR- TX90	TX3	9300E, 9300C	3 – 120	1
CAR- TX90	TX4	9400E, 9400C	3 – 175	1
CAR- TX90	TX5	9500E, 9500C	3 – 260	1
CAR- TX90	TX6	9600E, 9600C	3 – 400	1

# **Bimetal thermostatic mixing valves**

Thermostatic mixing valves of the TX90 Series are very precise, stable and reliable domestic hot water regulators. The high performance ratings are possible thanks to the use of the original cartridge based on the principle of joint cold water – hot water control through double piloting, as shown in the illustration on the next page; in fact the bimetal sensitive element controls the pressures in the two operating chambers provided with a diaphragm; these chambers, in turn, suitably modulate the flows of hot and cold water in order to obtain a perfect mixture.

Moreover the sensitivity of the system offers maximum safety against risk of scalding.

The inlets are provided with a check (non return) device and mesh strainer.

The bimetal control device is internally lined with anti-stick material (Rilsan) to avoid scale formation.

# Principle of operation with double pilot and function diagram

The functional diagram reproduced alongside involves the application of fine setting valves VM1 and VM2 designed to pre-adjust the recirculating flow thereby avoiding risk of initial hunting of the mixture temperature when domestic hot water is again drawn off after a period of no demand.

It should be noticed at once that valves VM2C and D with relative by-pass and checks should be provided, only if adding a new mixer to an already existing system having a pump of limited head; in all cases they are an alternative to valves VM1A and B.

The diameter of these valves is the same as that of the recirculation piping while setting positions are as follows:

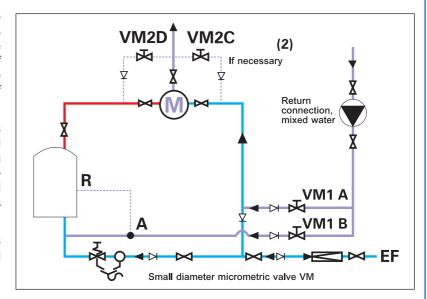
- for valve VM2C (cold) opening 70 90 %
- for valve VM2D (hot) opening 30 10 %

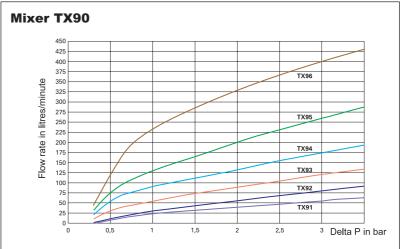
Valves **VM1A** and **B** with relative checks are installed on two double sections of the recirculation return line, located across a check valve installed at the cold inlet so that, when no water is drawn off, the two flows feed the inlet ports of the mixer in the correct proportion.

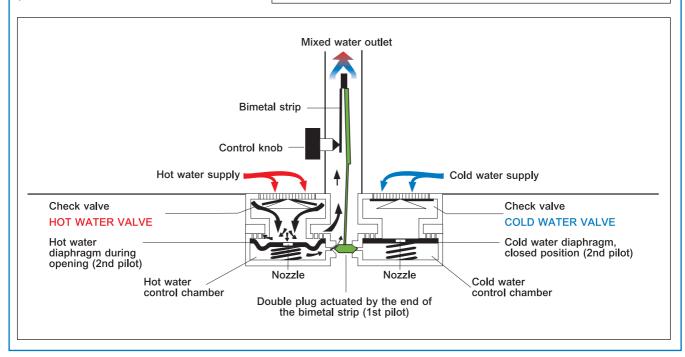
Setting positions are as follows:

- for valve VM1A (cold) opening 70 90%
- for valve VM1B (hot) opening 30 10%

Connection section A - R should always be made when the storage water heater is provided with a recirculation connections.







C





# **TX90CHP**

Like the ULTRAMIX mixer, but with chrome-plated body, protected by a vandal-proof plate.

Туре	Part number	Size body	N° of users	Flow rate I/min	Box Qty
TX90CHP	TX91CHP	3/4"M	1-7	3-56	1
TX90CHP	TX92CHP	3/4"M	1-10	3-80	1
TX90CHP	TX93CHP	1"M	1-15	3-120	1
TX90CHP	TX94CHP	1.1/4"M	1-21	5-175	1
TX90CHP	TX95CHP	1.1/2"M	1-32	5-260	1
TX90CHP	TX96CHP	2"M	1-50	6-400	1



# **TX900MDA**

Like the ULTRAMIX mixer, but suitable for treated water (sea water, demineralized water, soft water). Cover with grey epoxy finish and blue graduated knob.

Туре	Part number	Size body	N° of users	Flow rate I/min	Box Qty
TX90OMDA	TX910MDA	3/4"M	1-7	3-56	1
TX900MDA	TX92OMDA	3/4"M	1-10	3-80	1
TX90OMDA	TX93OMDA	1"M	1-15	3-120	1



# T109

High precision thermometer with rapid response:  $4^{\circ}\text{C}$  /second. To be installed directly at the mixed water outlet.

Туре	Part number	Size body	Box Qty
T109	T109111	3/4" MF	1
T109	T109112	1" MF	1

#### **T70**

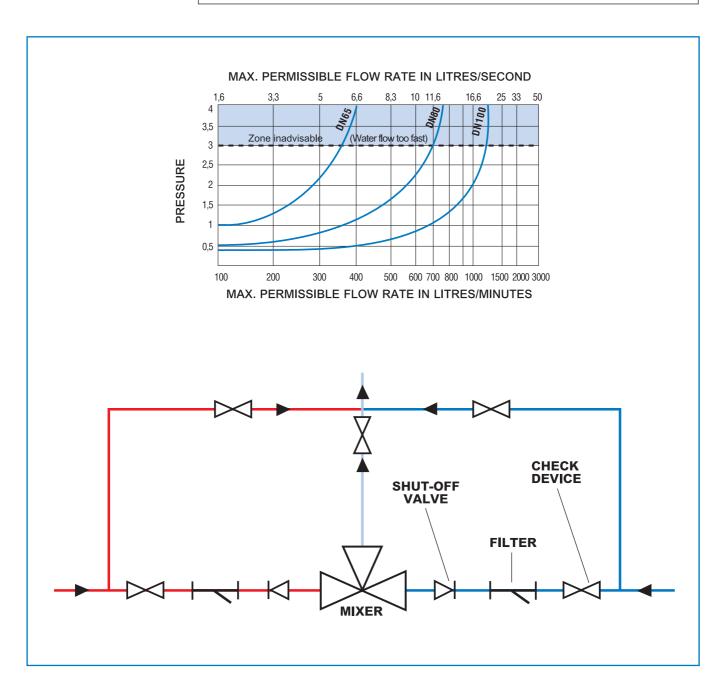
Thermostatic mixer for central domestic hot water systems, with high flow rates: apartment blocks, industries, hotels, hospitals, schools, etc. Cast iron body and bronze/brass internal parts. Flanged series NP 16. Adjustment range: 10 to 50 °C.

On request 30 to 70  $^{\circ}$ C and 50 to 90  $^{\circ}$ C. Max. pressure : 10 bar. Max. temperature: 85  $^{\circ}$ C Flow rates with upstream pressures: 3 bar. Max. dynamic pressure : 6 bar

Hot water inlet provided on the left and cold water inlet on the right; mixed water outlet at the top. A filter and check valve should be installed at the hot/cold water inlets.

\*As a guide only contact the Sales Office to confirm suitability of selection made.

Type	Part number	Size body	N° of users	Flow rate I/min	Box Qty
T70	T70065	65	1-36	10-360*	1
T70	T70080	80	1-70	12-700*	1
T70	T70100	100	2-120	14-1200*	1





#### SHOWER FITTINGS AND TAPS



#### TMV3 SHOWER

Single point shower control valve, simple to operate with one control for both flow and temperature control, with rapid shut-off on hot or cold supply failure. DZR brass body and internals, exposed parts are chrome plated and white unless otherwise stated. Easy to install with 15mm inlet compression 360° swivel elbows and ?" BSP Male/15mm compression outlet.

Works on both high and low pressures from 0.1 to 5 bar, up to 8 l/min at 1 metre head, static pressure Max. 10 bar.

Max. hot supply temperature: 80°C. Temperature cold supply: 5°C to 25°C.

Temperature setting range: 30°C to 50°C.

Туре	Part number	Description	Box Qty
TMV3	M10700	Exposed White knob	1
TMV3	M10701	Concealed White knob	1
TMV3	M10702	Exposed Chrome Lever	1
TMV3	M10703	Exposed Chrome knob	1
TMV3	M10704	Concealed Chrome Lever	1
TMV3	M10705	Exposed Dual Control White knob	1



#### VR

Vandal Resistant showerhead - a robust fixed head for concealed or exposed applications. All spray heads are fitted with three slotted rings and two plain rings are supplied extra. Materials are corrosion resistant and will not promote bacterial growth. Body brass with polished chrome finish.

Inlet connections rear or bottom: 15mm compression.

Type	Part number	Description	Box Qty
VR	M10800	Concealed / Exposed	1



#### **SELF CLOSING TIMEFLOW SHOWER TAPS**

Push button action vandal resistant water flow control taps for use with mixing valves Aquamix 2000, MMV single point mixing valves and the Ultramix group mixing valve. Available as exposed and concealed options with 15mm compression inlet and outlet.

Туре	Part number	Description	Box Qty
Standard	M10801	Exposed	1
Standard	M10802	Concealed	1
Economy	M10811	Exposed	1
Economy	M10812	Concealed	1



#### CRT15

Available as an extra to fit between the timeflow tap and the vandal resistant head, Chrome Riser Tube(CRT15) approx. 1000mm in length.

Type	Part number	Description	Box Qty
CRT15	M11050	-	1



#### SHOWER FITTINGS AND TAPS



## **SHOWER KITS - THREE SPRAY PATTERN**

Suitable for low and high pressure supplies with a minimum of 0.5 bar for functions of all modes. Chrome plated 24" metal slide rail, contemporary chrome multi-spray handset, (firm, massage and soft), double interlocked 1500mm hose, chrome plated soap dish, study hose retainer and chrome plated brass wall union.

Available as exposed and concealed options with 1/2" BSP female swivel inlet.

Туре	Part number	Description	Box Qty
K	M11010	Exposed	1
CK	M11011	Concealed	1



## SHOWER KITS - FIVE SPRAY PATTERN

Suitable for low and high pressure supplies, function range 0.1 to 3 bar. Chrome plated metal slide rail, contemporary chrome multi-spray five pattern handset, (normal, pulse, champagne, combi pulse and combi champagne). Low pressure handset with blue markings on face. High pressure handset with white markings on face. Supplied with 1500mm hose and soap dish. Available as exposed and concealed options with 1/2" BSP male connection.

Part number	Pressure type	Description	Box Qty
M11000	High	Exposed Chrome	1
M11001	High	Exposed White	1
M11002	Low	Exposed Chrome	1
M11003	Low	Exposed White	1
M11004	High	Concealed Chrome	1
M11005	High	Concealed White	1
M11006	Low	Concealed Chrome	1
M11007	Low	Concealed White	1



#### SHOWER KITS - SPECIAL NEEDS

Chrome plated metal slide rail 1500mm long with wall brackets, multi-spray handset, extra long shower hose 2000mm in length with 1/2" BSP female swivel inlet.

Туре	Part number	Description	Box Qty
Special needs	M11015	Exposed	1



#### SHOWER FITTINGS AND TAPS



#### TRADITIONAL FIXED SHOWER HEAD

Exposed version consists of a solid brass scale resistant shower head, spray direction adjustable to users preference, with chrome plated 15mm riser tube, backplate and arm. Concealed version uses the same shower head with a solid brass chrome plated arm with a 1/2" BSP male connection.

Min. working pressure: 0.2 bar. Max. working pressure: 6 bar. Min. working temperature: 2°C. Max. working temperature: 90°C.

Туре	Part number	Description	Box Qty
Traditional	M10900	Exposed	1
Traditional	M10901	Concealed	1



#### **HYDROGUARD - HT115**

High temperature shut-off device is designed to provide thermostatic protection for the shower, with the new ATA (Advanced Thermal Actuation) technology to improve performance. If the temperature during the shower reaches 46°C this device instantly reduces the flow to less than 1 litre/min. Once the temperature drops below 46°C the HyrdoGuard automatically resets and resumes the full flow within seconds. Solid brass polished chrome finish to enhance durability. It is easy to install and can be used for new or existing applications.

Max. flow rate: 15.2 l/min.

\*NOTE: Shower Handset not included.

Туре	Part number	Size body	Box Qty
HydroGuard	HT115	1/2" M/F	1



#### **SELF CLOSING TIMEFLOW BASIN TAPS**

Push button action timeflow control taps with solid brass body and button for long life. Saves up to 60% of water usage when compared to conventional basin taps. When fitted on a hot water system saves energy as well.

Min. temperature: 5°C. Max. temperature: 90°C.

Max. working pressure static: 10 bar.

Working pressure dynamic\*: 0.2 to 6 bar. \*Remove flow regulator below 1 bar.

Timed flow rate: 12 sec. (±5sec).

Part number	Size body	Box Qty
M11100	1/2" M	1

Other taps available upon request. Contact Sales Office for details.

#### PRESSURE EQUALISING VALVE



#### PEV - PRESSURE EQUALISING VALVE

The valve is designed to supply both hot and cold water at equal pressures regardless of any pressure variation in the incoming supply, by automatically adjusting the higher hot or cold pressure to the level of the lower pressure.

Can be used on multi-point/combi, fully modulating boilers, gravity systems, mains pressure hot water cylinders or any hot water system that provides constant temperature output.

The valve can be installed vertically or horizontally and at any distance before the mixer, provided it supplies only one mixer and there is no additional draw-off between the PEV and the mixer. The valve must be positioned where it is accessible should cleaning or maintenance be necessary. The water heating system must be able to deliver hot water at a constant temperature, regardless of demand from the system. The valve must be used in conjunction with shower valves that are designed to operate on equal pressure.

Min. pressure of hot/cold supply: 0.25 bar. Max. pressure of hot/cold supply: 10 bar.

Туре	Part number	Size body	Box Qty
PEV	GT30000	1/2" M	1

#### **TEST PLUGS**



#### **TEST PLUGS**

The dual seal core design with membrane allows the bottom seal to close, sealing the system before the probe is fully removed through the top core. The membrane connecting the two separate cores maintains the true alignment for increased ease when inserting probes.

Used to inject substances from lines while in operation, bleed air or gases and measure flow rates. By positioning one plug on each side to be tested, the pressure differential can be determined, which can be used to find the flow rate.

#### **Test Plugs & Extension:**

Body/Cap material: brass.

Plug core: Nordel (Neoprene core available for Natural Gas).

Max. temperature: 175°C.

**Probe:** 

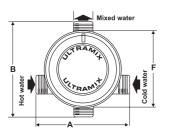
Body material: stainless steel.

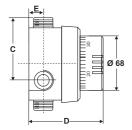
Туре	Model	Part number	Size	Box Qty
Test Plug	BN-125	M16800	1/8"	10
Test Plug	BN-250	M16801	1/4"	10
Test Plug	BN-375	M16802	3/8"	10
Test Plug	BN-500	M16803	1/2"	10
Test Plug Extension	BTX-250	M16850	1/4"	10
Test Plug Extension	BTX-500	M16854	1/2"	10
Gauge Adaptor	GA-063	M16851	1/4"	10
Gauge Adaptor	GA-125	M16852	1/4"	10
Gauge Adaptor - short	GA-125S	M16855	1/4"	10
Test Plug Thermometer	LPT-250	M16853	125mm	1



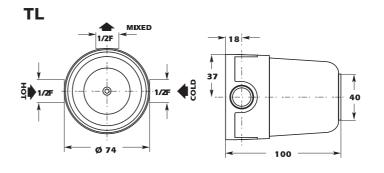
# CHAPTER G

**T9B/C - TX90** 

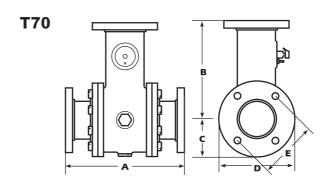




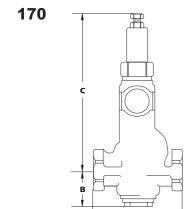
ND	Α	В	С	D	Е	F
3/4"M	117	120	81	93	18	98
1"M	144	142	95	101	23	116
1.1/4"M	182	166	107	116	24	145
1.1/2"M	218	199	129	127	32	175
2"M	242	224	144	141	36	198



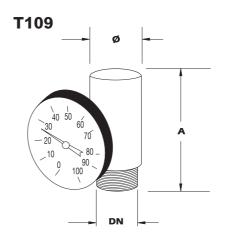
ND	Α	В	С	D	E	F
1/2"M	100	90	50	100	17.5	80
3/4"M	100	90	50	100	17.5	80



ND	Α	В	С	D	Е
2.1/2"	294	215	90	185	145
3"	336	270	105	200	160
4"	404	270	125	220	180



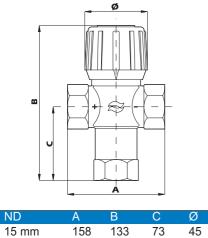
ND	А	В	С
3/4" F	105	51	143
1" F	114	51	143
1.1/4" F	152	51	152
1.1/2" F	152	54	152
2" F	162	54	152



ND	Ø	А
3/4"	3/4"	64
1"	1"	64

#### CHAPTER G

# 61C/62C

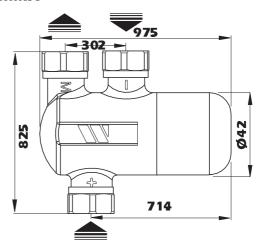


139

79

45

# **MINIMIX**

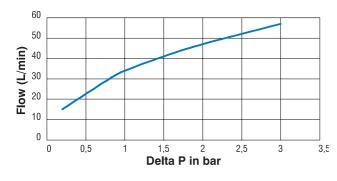


## THERMOSTATIC MIXING VALVES • MMV - COMPACT

# **FLOW RATE:**

170

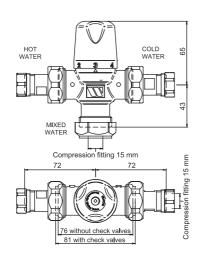
22 mm

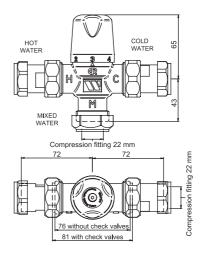


Materials	
Body	brass DZR - CW602N
Finish	nickel plated or self colour brass (BR suffix)
Spring	stainless steel
Other brass parts	CW 614N
Piston	PSU (polysulfone polymer)
O-ring	EPDM
Check-valve	POM + stainless steel + rubber
Head	PA with glass fiber

# **COMPRESSION FITTING Ø 15mm**

# **COMPRESSION FITTING Ø 22mm**

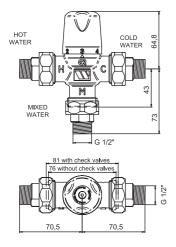




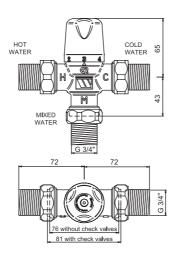


CHAPTER G

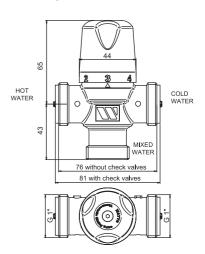
# MALE UNION FITTING DN 15



# MALE UNION FITTING DN 25

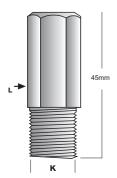


# MALE THREADED DN 25



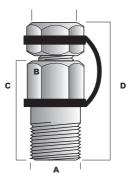
## **TEST PLUGS**

## **BSP Extension Brass**



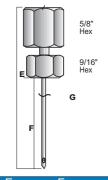
Model	K	L
BTX-250	1/4" BSP	9/16" Hex
BTX-500	1/2" BSP	7/8" Hex
1/4" BSP	9/16" Hex	1-1/16" Hex

## **TEST PLUG 9/16" HEX**



Α	В	С	D
1/8" BSP	9/16"Hex	1-3/16"	1-1/4"
1/4" BSP	9/16"Hex	1-1/16"	1-1/2"
3/8" BSP	5/8"Hex	1-1/16"	1-1/2"
1/2" BSP	7/8"Hex	1-1/16"	1-1/2"

# Gauge Adaptor 1/4" BSP Female



Model	E	F	G
GA-063	2-3/4"	1-3/4"	.063"
GA-125	2-3/4"	1-3/4"	.125"
GA-125S	2-3/4"	1-1/4"	.125"

## **THERMOMETER**

