

RMC's HeatGuard SharkBite 4-in-1 is a pre-built tempering valve assembly with integrated inlet fittings that allow for quick installation and simplified valve maintenance for an entire house, building or system.



Size	Orientation	Catalogue Number
16mm	Upwards	MIX11014U
16mm	Downwards	MIX11014D
20mm	Upwards	MIX11013U
20mm	Downwards	MIX11013D

Description

RMC's HeatGuard is a tempering valve that mixes hot water with cold water to deliver tempered water at a constant temperature throughout an entire house, building or system. The HeatGuard is suitable for tempering the hot water supply to sanitary devices intended for personal hygiene purposes, where outlet temperatures must not exceed a maximum of 50°C (to AS4032.2). HeatGuard is compatible with most storage water heaters.

RMC's HeatGuard SharkBite 4-in-1 combines the HeatGuard tempering valve with 4-in-1 inlet fittings and genuine SharkBite connections. The 4-in-1 inlet fittings include isolation valves, strainers, non-return valves and test ports. The HeatGuard SharkBite 4-in-1 is available in 16mm or 20mm configurations, with the fittings pre-fitted orientated either upwards or downwards.

Application

RMC's HeatGuard SharkBite 4-in-1 is a tempering valve for use in hot water distribution systems. Fitting the valve at the hot water source ensures the delivery of constant temperature hot water throughout the system.

DO NOT USE on steam supplied systems.

NOT to be used in place of a TMV (AS4032.1) valve.

Features and Benefits

- Genuine SharkBite connections
- Valve and fittings supplied fully assembled
- 4-in-1 inlet fittings incorporate a ball valve, strainer, non-return valve and test port
- Strainers protect valve from impurities in the water supply
- Non-return check valves eliminate backflow contamination
- Inline isolation valves provide for simpler installation and maintenance
- Tamper proof adjustment - special key eliminates chances of accidental adjustment
- Dezincification resistant
- Meets Australian Standard for potable water supply
- Individually tested and calibrated to ensure high quality and performance

Technical Specifications

Hot temperature supply range	60°C - 90°C ¹
Cold temperature supply range	5°C - 30°C
Maximum supply pressure	1600 kPa
Supply pressure imbalance	2:1 (max) ²
Optimum outlet temperature range	40° - 50°C ³
Factory set temperature	See Notes #4
Temperature control	±3°C ⁵
Minimum temperature differential (between hot supply and outlet temperature)	15°C ⁶
Flow rate, minimum	4 L/min

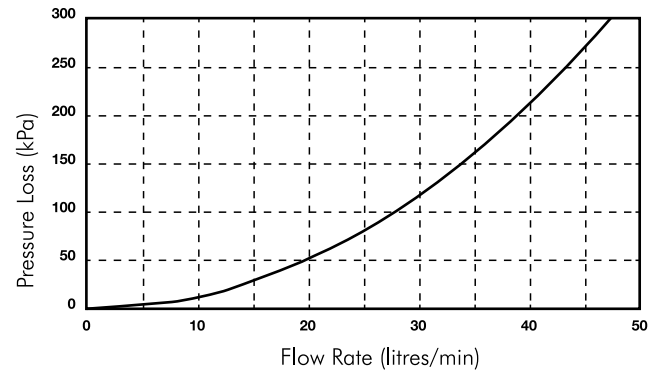
Notes

- AS/NZS3500.4 Clause 1.9.1 requires the minimum hot water storage temperature to be 60°C. Not for use with steam.
- The maximum permitted ratio of supply pressures, under dynamic (flow) conditions. For optimum performance it is recommended that the hot and cold pressures at commissioning are as close as possible to equal.
- For applications outside the requirements of AS/NZS3500 and AS4032.2, it is possible to set the valve as high as 55°C or as low as 35°C, depending on site conditions.
- Must be commissioned on-site to achieve desired outlet temperature.
- Tested to AS4032.2 between 40°C and 50°C.
- This is the minimum difference required to shut-off outlet flow in the event of cold supply failure in accordance with AS4032.2, providing the valve is set between 40°C and 50°C.

Materials

Body	Forged DZR Brass
Internal Components	DZR Brass
Seals	Viton
Springs	Stainless Steel
Piston	Polysulphone
Fittings	DZR Brass
Strainers	Stainless Steel
Non-Return Cartridges	Acetal

Flow Characteristics



Dimensions

Valve Configuration	A	B	C	D	E
16mm Upwards	190	58	104	210	152
16mm Downwards	190	58	104	152	-
20mm Upwards	190	58	109	219	155
20mm Downwards	190	58	109	155	-

All dimensions in millimetres unless otherwise stated.

