

HEATGUARD SHARKBITE™ 4-IN-1



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



Catalogue Numbers

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

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. 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, strainer, non-return, and test port. HeatGuard SharkBite™ 4-in-1 is available in 16mm or 20mm configurations, with the fittings pre-fitted oriented 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 through 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 with ball valve, strainer, non-return and test port
- Strainers protect valve from impurities in the water supply, non-return check valves eliminate backflow contamination
- Inline isolation valves 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 higher quality and performance



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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:	45°C ⁴
Temperature control:	±3°C ⁵
Minimum temperature differential: (between hot supply and outlet temperature)	15°C ⁶
Flow rate, minimum:	4 L/min

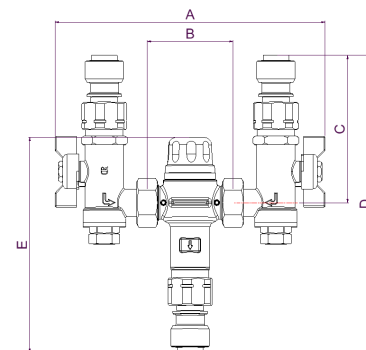
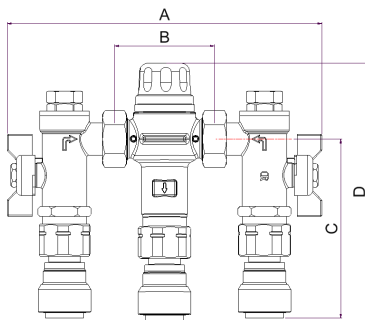
Notes:

1. AS/NZS3500.4 Clause 1.9.1 requires the minimum hot water storage temperature to be 60°C. Not for use with steam.
2. 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.
3. 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.
4. Must be commissioned on-site to achieve desired outlet temperature.
5. Tested to AS4032.2 between 40°C and 50°C.
6. 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.

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.



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

