HEATGUARD INSULATED

RMC water valves

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.

Catalogue Numbers

HeatGuard INS 15	MIX11009I
HeatGuard INS 20	MIX11012I

HeatGuard is suitable for tempering the hot water supply to sanitary devices intended for personal hygiene purposes, where outlet temperature must not exceed a maximum of 50°C.

HeatGuard is compatible with most storage water heaters. The compact design requires minimum space. HeatGuard is available in 15mm and 20mm configurations.

Application

RMC's HeatGuard 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.

Features and Benefits

- Union connections & Compression Fittings
- Valve easy to install and easy to remove for serving of strainers - Nuts and Olives supplied
- Polyurethane insulation
- Limit energy loss and help protect against freezing - Meets Australian Standard AS/NZS 3500.4
- Strainers and Check Valves
- Strainers protect valve from imputites in the water supply; Check valves eliminate backflow contamination
- Tamper-proof adjustment
- Special adjuster key eliminates chances of accidental adjustment
- Dezincification Resistant
- Meets Australian Standard for potable water supply AS/NZS 4020
- Individually tested and calibrated
- Every valve is tested to ensure higher quality and performance

WaterMark
AS4032.2 LIC WMKA 1593
SAI GLOBAL

Uniquely Australian

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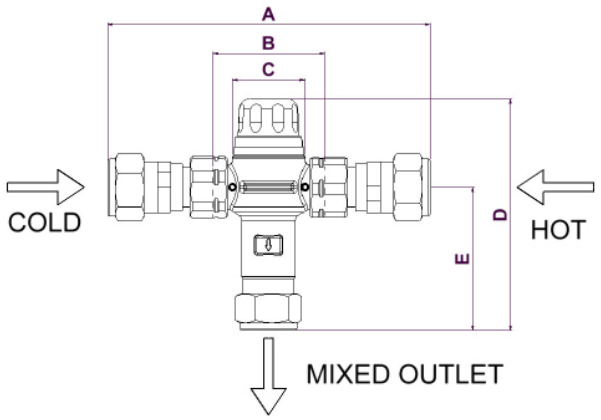
Cold water supply temperature:	5°C - 30°C
Hot water supply temperature:	60°C - 90°C [1]
Optimum outlet temperature range:	40°C - 50°C [2]
Set temperature:	Must be commissioned on site to achieve desired outlet
Accuracy of outlet temperature:	± 3°C - tested to AS4032.2 between 40°C and 50°C
Minimum temperature differential: (Between hot supply and outlet temperature)	15°C [3]
Supply pressure, static:	1600 kPa maximum
Supply pressure imbalance, dynamic: (At time of commissioning)	2 : 1 maximum[4]
Maximum permitted pressure variation in either supply, in order to control outlet temperature to ± 3°C: (From supply pressure at commissioning)	± 10% maximum[5]
Minimum flow rate:	4 litres/minute
Compression Fittings Supplied:	Nuts, Olives, Strainers & Non-Return Checks included

Notes:

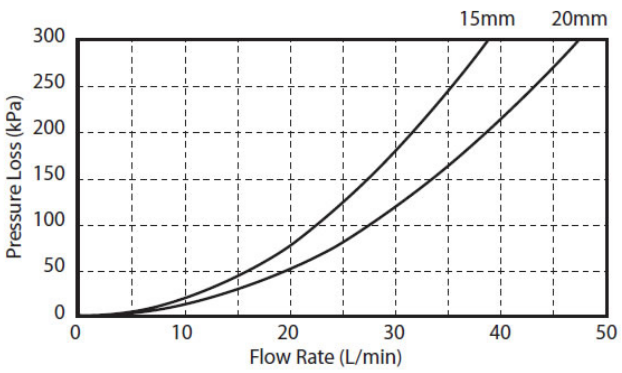
1. AS/NZS 3500.4 Clause 1.9 requires the minimum hot water storage temperature to be 60°C.
2. For applications outside the requirements of AS/NZS 3500 and AS4032.2, it may be possible to set the valve as high as 55°C or as low as 35°C, depending on site conditions.
3. The is the minimum difference required to ensure shut-off of 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.
4. 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.
5. The maximum permitted variation in either supply pressure from the pressure at commissioning in order to control the outlet temperature to ± 3°C.

Dimensions

Model	A	B	C	D	E
HEATGUARD INSULATED 15	142	58	37	118	72
HEATGUARD INSULATED 20	164	58	37	121	75



Flow Characteristics



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