

Heatguard® TMV-8 Thermostatic Mixing Valve

Thermostatically blends hot and cold water to a safe outlet temperature (TMV3 approved for healthcare).

Overview

Reliance Valves Heatguard TMV3-8 Thermostatic Mixing Valve blends hot and cold water to a constant and safe shower and bath outlet temperature to prevent scalding.

Regulating the storage temperature of water in healthcare, residential and commercial settings is increasingly common. To circulate water at a temperature of 60°C, water is typically stored and distributed at a high temperature to prevent Legionella.

The Heatguard TMV3-8 is designed to mix hot and cold water at the point of discharge to a safer and cooler temperature to prevent accidental scalding. If the cold water supply fails, the valve automatically shuts off the hot water to prevent unsafe temperatures from reaching the outlet.

Fully certified by the NSF, Heatguard TMV2-8 meets the NHS D08 specification for the TMV3 Scheme for basin, bidet, shower and high-pressure bath fill applications. It is therefore commonly specified in the healthcare sector to protect vulnerable people from scalding from high temperature water supply.

There are two options available: the 2-in-1 valve comes complete with strainers on both inlets and check valves, whereas the 4-in-1 also includes test ports and isolation valves.



Features & benefits

- NSF TMV3-approved for healthcare applications
- Large body allows for a reliable, stable blended temperature and higher flow rate
- Tamperproof cap to stop unauthorised tampering
- Works in larger systems with up to 10:1 pressure differences between the hot and cold water supplies, exceeding the industry standard of 5:1
- Features Viton seals instead of EPDM to significantly improve performance at higher temperatures
- Flat faced union connections on all ports for fast and easy maintenance
- Suitable for shower, bath, basin and bidet hot water applications
- Compatible with copper pipe only

Standards & approvals

WRAS Approved

TMV3 Approved

Complies with BS7942, NHS MES D08

Materials

Body	Gunmetal
Seals	Viton
Spring	Stainless steel
Fittings	DZR brass
Strainers	Stainless steel

Product code	Description	Size
HEAT160001	Heatguard TMV3-8: base valve only	
HEAT160015	Heatguard TMV3-8 2-in-1	15mm
HEAT160020	Heatguard TMV3-8 2-in-1	22mm
HEAT160030	Heatguard TMV3-8 4-in-1	15mm
HEAT160035	Heatguard TMV3-8 4-in-1	22mm



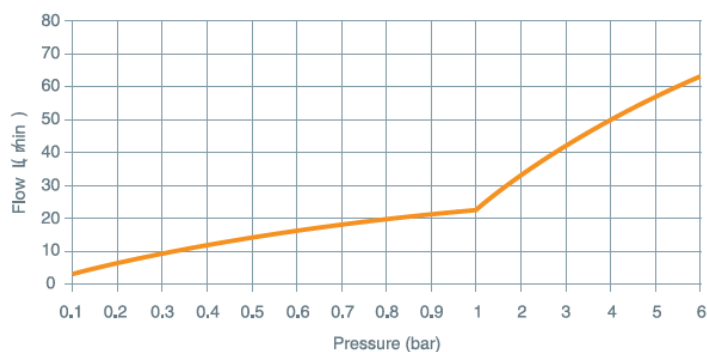
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Specifications

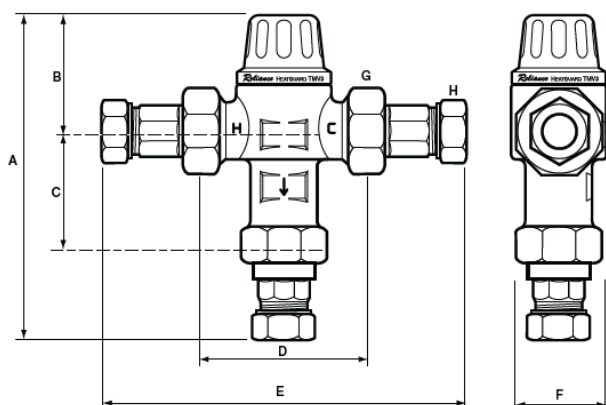
Factory temperature setting	38°C
Temperature setting range	38-46°C
Temperature, hot supply*	52-90°C
Temperature, cold supply	5-20°C
Minimum hot to mix differential temperature	10°C
Temperature stability	+2°C
Maximum static pressure	16.0 bar
Working pressure range, dynamic	0.1 - 5.0 bar
Maximum pressure loss ratio	10:1
Minimum flow rate	4L/min
Flow rate @ 1.0 bar pressure loss	21 L/min

*55°C-60°C is recommended

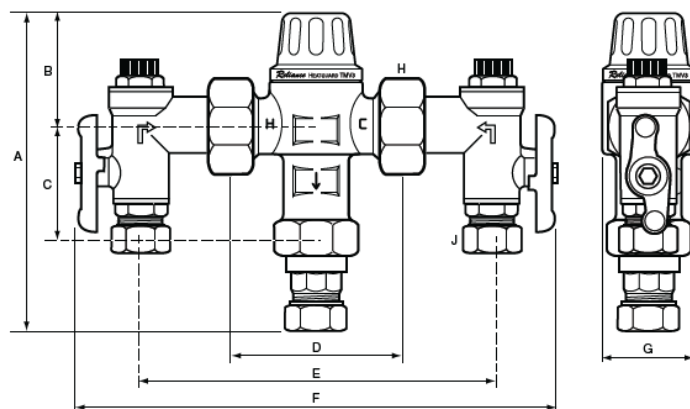
Flow rates



Dimensions – All measurements in mm unless otherwise stated



	A	B	C	D	E	F	G	H
HEAT160015	145	50	50	78	160	40	1" BSP	15
HEAT160020	145	50	50	78	160	40	1" BSP	22
HEAT160001	145	50	50	78	160	40	1" BSP	



	A	B	C	D	E	F	G	H	J
HEAT160030	145	50	50	78	157	220	40	1" BSP	15
HEAT160035	145	50	50	78	157	220	40	1" BSP	22