

Product Datasheet

THERMOSTATIC MIXING VALVE for Emergency Safety Showers and Eye/Face Washes Optional Fittings



The Thermostatic Mixing Valve provides highly accurate temperature regulation and point of use protection for emergency safety showers, combination showers and eye/facewash equipment.

The quick reaction thermostat and pressure balanced control valve regulator ensure the valve delivers a steady temperature of water despite varying pressure conditions.

- Cold water bypass to ensure operation if hot water supply is shut off or fails
- The hot water supply shuts off immediately for instant protection in case of cold water failure

Specifications

TECHNICAL DATA		
PRESSURE CLASS		PN10
RECOMMENDED OPERATING PRESSURE		Maximum 5.5 BAR G
DIFFERENTIAL PRESSURE		Mixing Maximum 3 BAR (40 PSI)
MEDIA TEMPERATURE		Maximum 95°C
COLD WATER BYPASS	- SHOWER VALVE	100 l/min at 2 Bar differential pressure
	- EYE/FACE WASH VALVE	20 l/min at 2 Bar differential pressure
TEMPERATURE STABILITY	- SHOWER VALVE	±3°C (Valid at unchanged hot/cold water pressure, minimum flow rate 9 litres/min). Minimum temperature difference between hot water inlet and mixed water outlet 10°C and recommended maximum difference between return water and mixed water outlet: 10°C).
	- EYE/FACE WASH VALVE	±1°C (Valid at unchanged hot/cold water pressure, minimum flow rate 4 litres/min). Minimum temperature difference between hot water inlet and mixed water outlet 10°C).
TEMPERATURE RANGE	- SHOWER VALVE	20-43°C
	- EYE/FACE WASH VALVE	20-40°C
CONNECTION	- SHOWER VALVE	External thread, ISO 228/1 1" BSP
	- EYE/FACE WASH VALVE	External thread, ISO 228/1 1/2" BSP
MATERIALS OF CONSTRUCTION		
VALVE HOUSING	- SHOWER VALVE	DZR brass CW602N (resistant to dezincification).
	- EYE/FACE WASH VALVE	DZR brass CW625N (resistant to dezincification).
PED 97/23/EC, ARTICLE 3.3		Pressure Equipment in conformity with PED 97/23/EC, article 3.3 (sound engineering practice). According to the directive the equipment shall not carry any CE-mark.
WEIGHTS and DIMENSIONS		
DIMENSIONS (WxDxH)	- SHOWER VALVE	182mm (7.2in) x 56mm (2.2in) x 115mm (4.5in)
	- EYE/FACE WASH VALVE	100mm (3.9in) x 46mm (1.8in) x 84mm (3.3in)
WEIGHT	- SHOWER VALVE	1.61kg
	- EYE/FACE WASH VALVE	0.92kg

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