

Product Datasheet

Thermostatic Mixing Valve

The thermostatic mixing valve is designed for emergency safety showers and eye washes where high precision of water temperature regulation, anti-scalding and continuous access to water is required.

Features and benefits:

- Dynamic cold water bypass to ensure operation if hot water supply is shut off or fails
- Anti-scalding safety function is released in case of uncontrolled hot water temperature overshooting
- Safety function to prevent undesired temperature setting changes



Specifications

MATERIALS OF CONSTRUCTION		
VALVE HOUSING	- SHOWER VALVE	DZR brass CW625N (resistant to dezincification)
	- EYE/FACE WASH VALVE	DZR brass CW625N (resistant to dezincification).
PED 2014/68/EU, ARTICLE 4.3		Pressure equipment in conformity with PED 2014/68/EU, article 4.3 (sound engineering practice) According to the directive the equipment shall not carry any CE-mark.
SERVICES		
PRESSURE CLASS		PN10
RECOMMENDED OPERATING PRESSURE		Maximum 5.5 BAR G / 78 PSI
DIFFERENTIAL PRESSURE		Mixing Maximum 3 BAR / 40 PSI
MEDIA TEMPERATURE		Maximum 95C / 203F
COLD WATER BYPASS	- SHOWER VALVE	90 L per minute / 24 US gal per minute at 2 Bar differential pressure
	- EYE/FACE WASH VALVE	20 L per minute / 5 US gal per minute at 2 Bar differential pressure
TEMPERATURE STABILITY	- SHOWER VALVE	Valid at same pressure in hot water inlet, and mixed water outlet, minimum flow rate 9 litres/min (2 US gal/min). Minimum temperature difference between hot water inlet and mixed water outlet 10C / 50F
	- EYE/FACE WASH VALVE	Valid at same pressure in hot water inlet, and cold water inlet, minimum flow rate 4 litres/min (1 US gal/min). Minimum temperature difference between hot water inlet and mixed water outlet 10C / 50F
TEMPERATURE RANGE	- SHOWER VALVE	22C / 72F - 28C / 82F
	- EYE/FACE WASH VALVE	22C / 72F - 28C / 82F
CONNECTION	- SHOWER VALVE	External thread, ISO 228/1 1" BSP Male
	- EYE/FACE WASH VALVE	External thread, ISO 228/1 1/2" BSP Male
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 / 3.5lb
	- EYE/FACE WASH VALVE	0.92kg / 2lb