

5213 merchant

thermostatic mixing valves



altecnic
CALEFFI group

5213 merchant thermostatic mixing valve



Application

Thermostatic mixing valves are used to maintain the domestic hot water supplied to the user at a constant and safe temperature, when variations in the hot and cold water supply conditions and draw off flow rates occur.

The failsafe design shuts off the mixed water flow automatically in the event of disruption in the hot or cold water supply to the valve.

TMV2 & TMV3

The merchant range of fail-safe thermostatic mixing valves (Art 5213) have been designed and manufactured to meet the requirements of BS 7942:2000 and the National Health Service model engineering specification D08 for use in healthcare premises, hospitals, care homes, and schools.

The elderly, young children and the disabled are at particular risk of life-threatening scalds due to a potential lack of mobility, skin sensitivity or the ability to communicate with their carer.

The valve has been independently tested and approved as a TMV2 and TMV3 valves under the industry schemes.

The (Art 5213) valves complies with the requirements of BS EN 1111: 1999 and BS EN 1287: 1999 standards for TMV2 with domestic applications and as a TMV3 valve for use in healthcare applications, under The DoH: Health Technical Memorandum 04-01: Supplement Performance specification D 08: thermostatic mixing valves (healthcare premises) 2017 standard

Construction Details

Component	Material	Grade
Body	DZR - chrome plated	BS EN 12165 CW602N
Springs	Stainless steel	
Seals	EPDM	

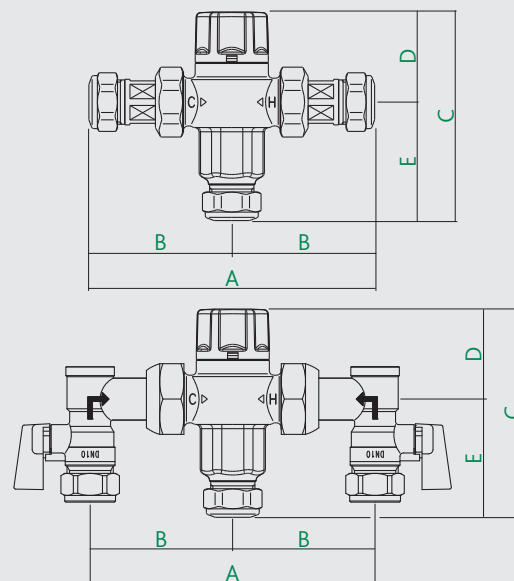
Product Code	Size	Connection	Lever Colour
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5213 Range

CA-100822	15 mm	compression	-
CA-100824	22 mm	compression	-
CA-100827	15 mm	compression with MX valves	black
CA-100828	22 mm	compression with MX valves	black
101-2101	15 mm	compression with MX valves	red & blue
101-2102	22 mm	compression with MX valves	red & blue



Dimensions

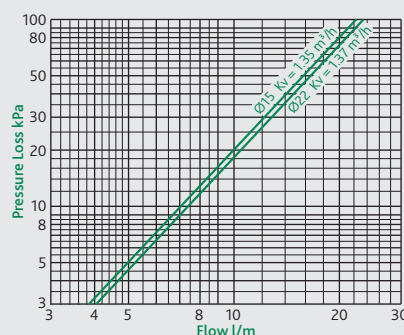


Prod Code	A	B	C	D	E	kg
CA-100822	141	67.5	99	43	56	0.5
CA-100824	150	75	100	43	57	0.6
CA-10082 101-2101	120	60	99	43	56	0.65
CA-100828 101-2102	136	68	100	43	57	0.75

Technical Data

Max. working pressure:	10 bar - Static
Min. working pressure:	0.2 Bar : Dynamic
Max. inlet temperature:	85°C
Inlet temperature range - hot supply:	52 - 65°C
- cold supply:	0.5 - 20°C
D08 working pressure - low pressure:	0.2 - 1.0
- high pressure:	1.0 - 5.0
Max. inlet pressure ratio (H/C or C/H):	5:1
Accuracy:	±2°C
Setting Range:	30 to 50°C
Min. temperature difference between inlet hot water and outlet mixed water:	10°C
Min. flow for stable operation	4 l/m

Kv Value & Flowrate



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