

ART 521928

mixcal III group thermostatic mixing valve

SD 007 07-10-2026

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 mixcal III group thermostatic mixing valve has been designed especially for centralised systems which demand high flow rates, for example with multiple outlets such as shower and wash basins.

Operating Principle

The controlling element of the mixing valve is a temperature sensor fully immersed in the mixed water outlet port, which expands or contracts, continually maintaining the correct proportion of hot and cold water entering the valve.

Even when the supply pressures drop, due to draw off of hot and cold water by other users on the same system, or variations in the incoming water temperatures, the mixing valve automatically responds and maintains the mixed outlet water at the required temperature.

BS EN1287

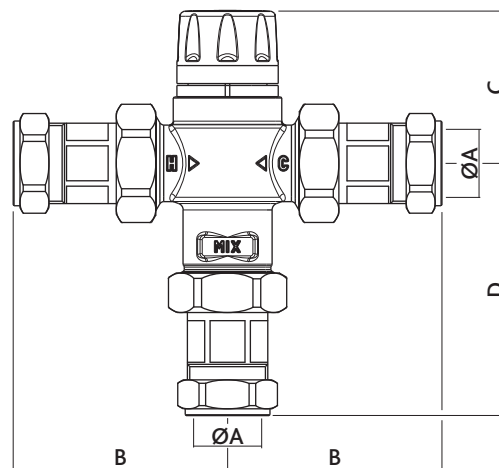
The valve has been specifically designed and manufactured to meet the requirements of BS EN 1287: 2017.

Construction Details

Component	Material	Grade
Body	DZR - chrome plated	BS EN 12165 CW602N
Shutter	Polymer	PPS G40
Springs	Stainless steel	
Seals	EPDM	

Ref No	Size	Connection	Type
521928	28 mm	compression	Cu x Cu x Cu

Dimensions

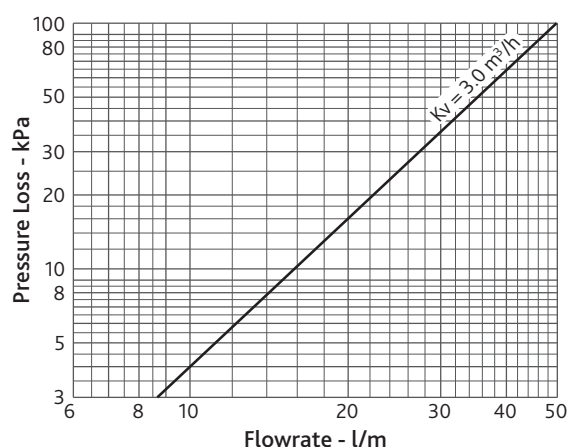


Ref No	ØA	B	C	D	kg
521928	28	95	68	113	1.30

Technical Data

Max. working pressure:	14 bar - Static 5 bar - Dynamic
Max. inlet temperature:	90°C
Max. inlet pressure ratio (H/C or C/H):	2:1
Accuracy:	±2°C
Setting Range:	35 to 50°C
Compression ends:	BS EN 1254-2
WRAS approved product:	
Complete with check valve and strainer in the inlet tailpieces.	

Hydraulic Characteristics & Kv Value



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