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## **Inta solar thermostatic mixing valve for HP DWS**

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## Function

The Solarmix thermostatic mixing valve is designed to reduce the water temperature to a safer level. Unlike the under basin, or bath/shower type valves we are familiar with, the Solarmix is designed to function continuously at high temperatures, something a standard TMV2 valve cannot cope with.

Fitted close to the HW outlet from the cylinder, the Solarmix blends the high temperature hot water with cold, to provide safe water supplies.

Flow rates are also greater on these valves and are suitable for use on pressurised systems (although they may not be suitable for use on some LP gravity DHWS). Most importantly, Solarmix thermostatic mixing valves should not be installed instead of TMV2 or TMV3 valves, as they are used in a different context to these valves.

## Materials

body	DZR Brass EN 12165 CW602N, chrome plated
shutter	Brass or brass PTFE coated
springs	Stainless Steel
seals	EPDM

## Temperatures and pressures

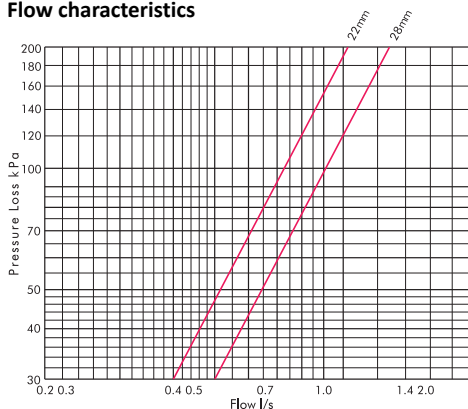
Temp. setting range	30 - 65°C
Min. flow rate to ensure stable temp.	0.083l/s = 5l/m
Accuracy	± 2°C
Max. working pressure	14 bar - static 5 bar - dynamic
Min. working pressure	0.2 bar - dynamic
Max. inlet temperature	110°C
Max. inlet pressure ratio (H/C or C/H)	2:1

Min. temperature difference between hot water inlet and mixed water outlet for optimum performance 15°C

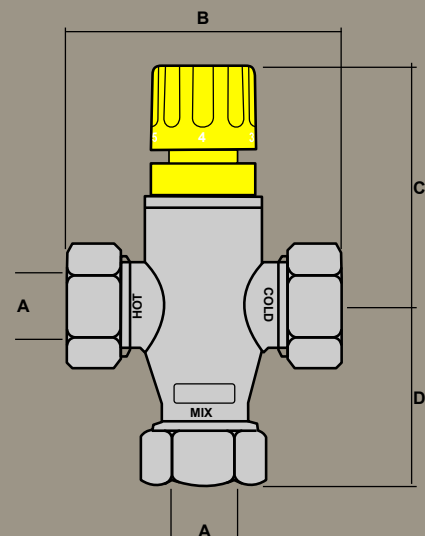
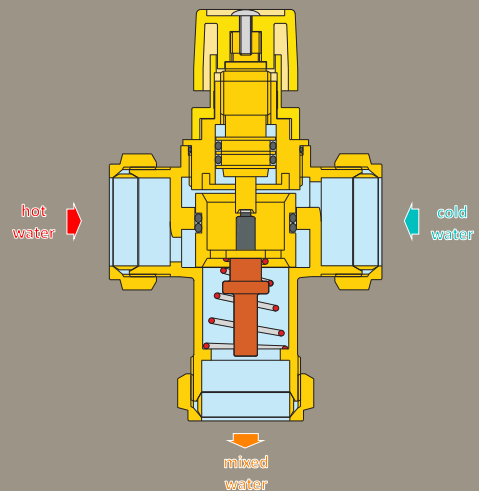
Connections 22mm & 28mm compression for copper pipe

Note: Use BS EN 1057 R250 (half hard) copper pipe with compression joints to BS EN 1254-2

## Flow characteristics



size (mm)	22	28
Kv m³/hr	2.6	3.3



Size	A	B	C	D	kg
22mm	22mm	92	81	60	0.88
28mm	28mm	93	72	66	0.76

connection/type	size (mm)	code
Compression Cu x Cu x Cu	22	50022SR
Compression Cu x Cu x Cu	28	50028SR

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