

22mm Solar Mixing Valves with interchangeable cartridge

Connection: 22mm

Model: IN50022SR

Materials:

Body: DZR Brass EN 12165 CW602N, Chrome Plated
Shutter: Brass or brass PTFE coated
Springs: Stainless Steel
Seals: EPDM



Temperatures and pressures:

Temperature range settings:	30 – 65 °C
Minimum 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 ration (H/C or C/H)	2:1
Min. temperature difference between hot water inlet and mixed water outlet for optimum performance.	15 °C

Function:

High temperature water burns and it is the industries and the home owner's duty of care to consider how they may safeguard against accidents that may occur by using extremely hot water. This mixing valve is designed to work at the extreme end of the temperature range and provide a level of protection should other safety switches fail.

Storing energy from the sun in the form of hot water, can lead to water arriving at the taps at a higher than normal temperature. In some cases, the cylinder maximum store temperature can be raised to as high as 80 °C, which is delivered through a tap or any outlet, would present a severe danger of possible scalding.

The Solar Thermostatic Mixing valve is designed to temper the water temperature to a safer level. Unlike the under basin, or bath/shower type valves we are familiar with on the market, the Solarmix is designed to function continuously at high temperatures, something a standard TMV2 valve could not code 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 pressurized systems (please note though, they may not be suitable for use on some LP gravity DHWS)

Solar thermostatic mixing valves should not be installed instead of TMV2 OR TMV3 valves, and are used in a different context to these valves!