

Solar Transfer Valve

Description

The Reliance *Solar Transfer Valve* is used to regulate the flow of water within a solar water heater system with a booster heater.

The Reliance *Solar Transfer Valve* is suitable for domestic applications and has been specially engineered to withstand the extreme thermal demands of solar heating applications. When solar heated water is below a set temperature, the valve will redirect flow to a booster heater. Water that has reached the set temperature will be distributed through the system as normal.

Solar Transfer Valve is available in a 20 mm configuration.



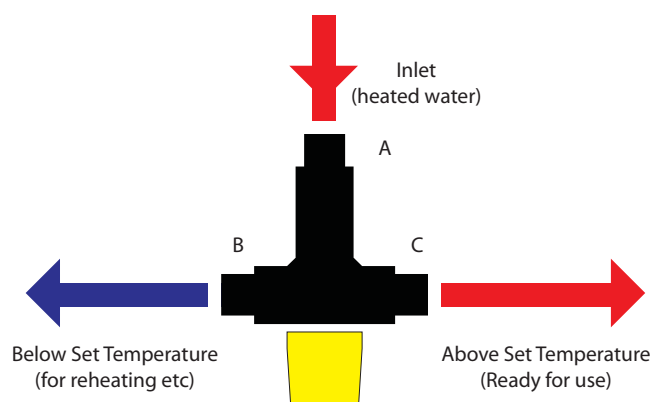
Features and Benefits

- ❖ High thermal endurance
 - » Will endure the extreme temperatures present in solar installations
- ❖ Performance and Safety
 - » Ensures that water will always be heated to a minimum temperature
- ❖ Integrated non-return valves
 - » Prevents cross-flow of water through outlet lines
- ❖ Union Connections
 - » Valve easy to install and easy to remove for servicing of strainers
- ❖ Strainers upstream of checks
 - » Protects valve and check valves from impurities in the water supply
- ❖ Tamper-proof adjustment
 - » Special adjuster key eliminates chances of accidental adjustment
- ❖ Dezincification resistant
 - » Meets Australian Standard for potable water supply

Application

The Reliance *Solar Transfer Valve* should be installed in solar water heater installations where a booster heater is included to ensure that water is heated to a minimum temperature. The Reliance *Solar Transfer Valve* redirects water which has not been heated adequately to a booster heater, while allowing water which has reached a set minimum temperature to enter the supply line.

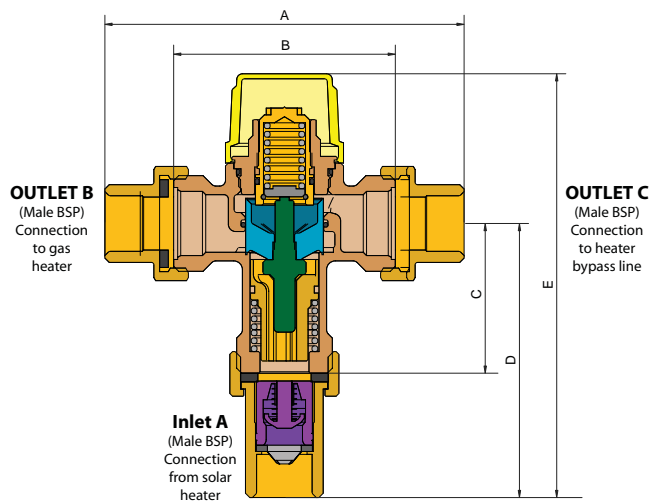
For Solar Water Heater: Domestic Building



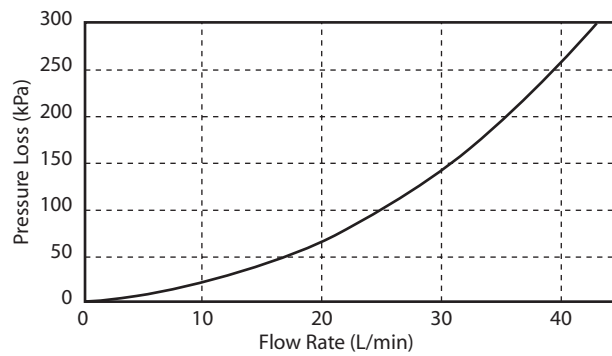
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Specification

Transfer Temperature Range:	50° C - 70° C
Hot Temperature Supply Range	60° C - 130° C ¹
Factory Set Transfer Temperature:	60° C
Transition zone: (Where water flows through both outlets)	±3° C either side of set transfer temperature
Supply pressure, static:	1600 kPa maximum
Minimum flow rate:	4 litres/min.
Maximum flow rate:	43 litres/min.
Fittings supplied:	¾" Male BSP Thread



Flow Characteristics



Dimensions

A	B	C	D	E
118	77	52	95	146

All dimensions are in millimetres unless otherwise stated.

Catalogue Numbers

Model	Catalogue Number
Solar Transfer Valve	MIX11091

Materials

Body:	Forged brass
Internal Components:	DZR Brass
Seals:	Viton
Springs:	Stainless steel
Piston:	Polysulphone
Fittings:	DZR brass
Strainers:	Stainless Steel
Non-Return Cartridges:	PPO-GF (Noryl®)