

SOLAR TRANSFER VALVE



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

Catalogue Numbers

Solar Transfer Valve

MIX11091

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.

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.



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



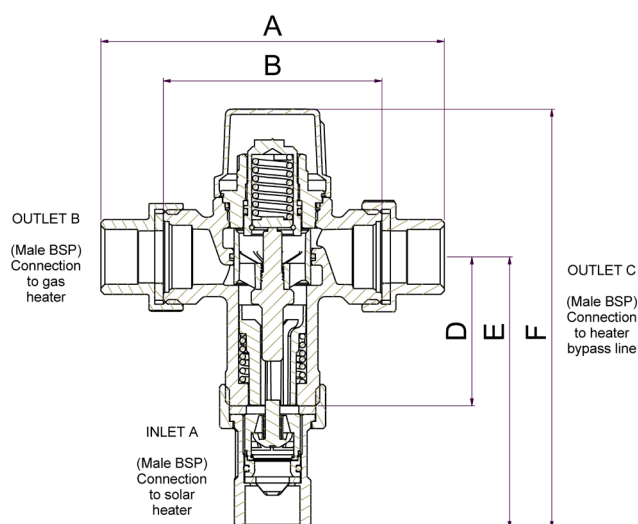
SOLAR TRANSFER VALVE



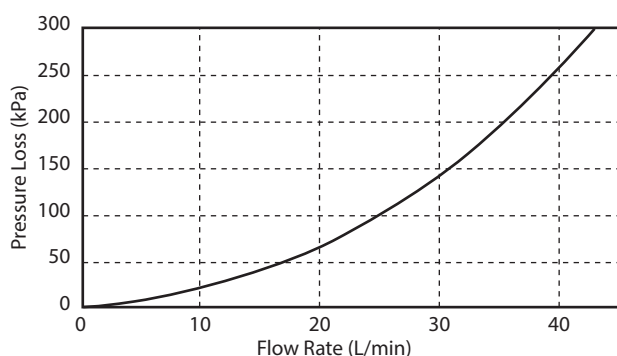
Transfer temperature range:	50°C - 70°C
Hot temperature supply range:	60°C - 99°C
Factory set transfer temperature:	60°C
Transition Zone: (Where water flows through both outlets)	±3° either side of set transfer temperature
Supply pressure, static:	1600 kPa maximum
Minimum flow rate:	4 litres/min.
Maximum flow rate:	43 litres/min.
Fittings supplied:	¾" Male BSP Thread

Dimensions

Model	A	B	C	D	E	F
Solar Transfer Valve	118	77	42	53	95	146



Flow Characteristics



Materials

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