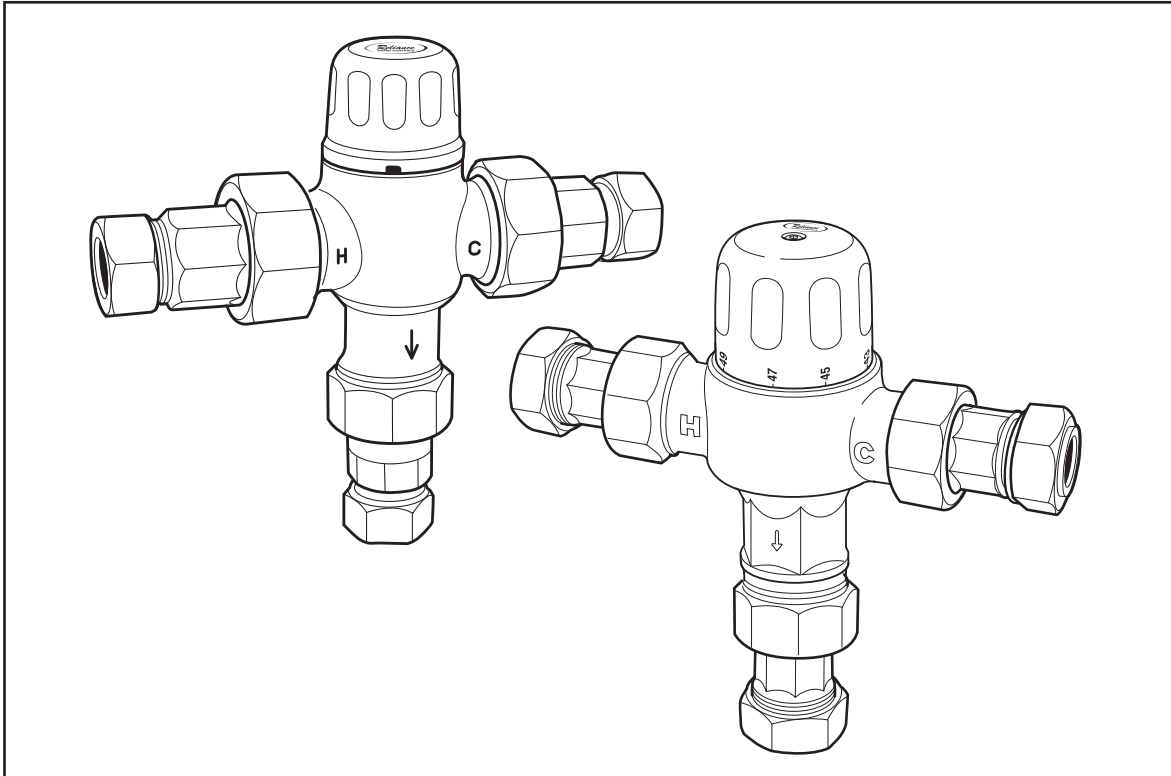




Product Specification Sheet

Solar Tempering Valves



The market leading Solar Tempering Valve for high flow rates. In solar hot water distribution systems.

Product Features and Benefits

- High endurance - will endure the extreme temperatures present in solar installations.
- High flow design - designed especially for use on high flow, large capacity systems with reduced head loss.
- Union connections, easy to install and remove for servicing of strainers
- Strainers upstream of checks - protect valve and check valves from impurities in the water supply
- Tamper-proof adjustment - special adjuster key eliminates chances of accidental adjustment.
- Individually tested and calibrated to ensure higher quality and performance.

Solar Tempering Valves

Description

Solar highflow and universal tempering valves, mix hot water with cold water to deliver a tempered water at a constant temperature throughout an entire house, building or system. These valves have been specifically engineered to withstand the extreme thermal demands of solar heating applications.

The Solar Highflow is suitable for high flow, large capacity applications and for low pressure environments. The Highflow is suited for low pressure, high flow environments such as gravity fed and tank supplied solar water heater installations.

The Solar Universal, is suitable for domestic applications. It is ideal for use in installations where there are fluctuations in supply conditions and in solar hot water installations where a booster pump is used.

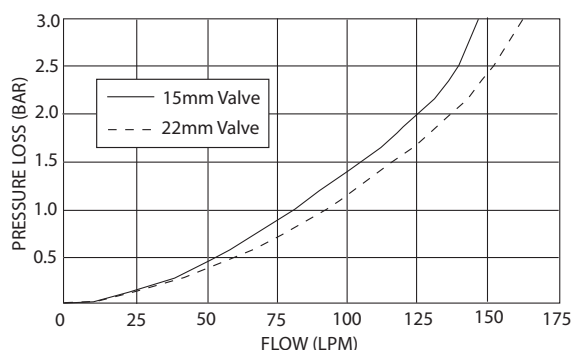
Product Range

Solar Tempering Valves -

HEAT 115 090 22mm compression Solar Highflow

HEAT 110 092 15/22mm compression Solar Universal

Performance



Materials

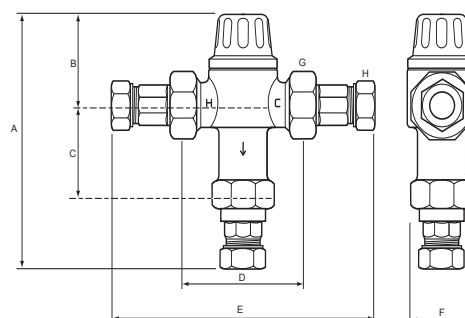
Body:	Cast gunmetal, nickel plated
Internal components:	DZR brass
Seals:	Nitrile elastomer
Spring:	Stainless steel
Piston:	Polysulfone polymer
Fittings:	DZR brass
Strainers:	Stainless steel

How to Specify

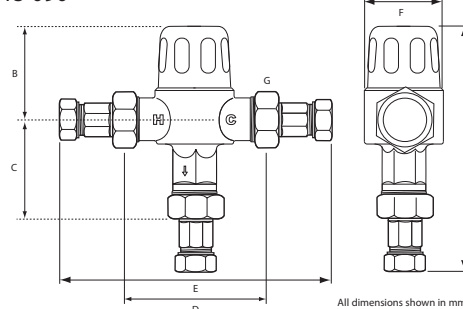
Tempering valve suitable for installations where there are extreme thermal demands in particular solar heating applications. Complete with integral line strainers and check valves. (Select appropriate range code)

Dimensions

HEAT 110 092



HEAT 115 090



All dimensions shown in mm unless otherwise stated

	A	B	C	D	E	F	G	H
HEAT 110 092	142	47	53	77	162	40	1" BSP	15/22mm Univ.
HEAT 115 090	183	65	58	82	184	57	1" BSP	22mm Comp.

Specifications

Adjustable temperature range:	30-65°C
Optimum outlet temperature range:	40 - 50°C
	Must be commissioned on site to achieve desired outlet temperature
Temperature, hot supply:	60 - 99°C
Temperature, cold supply:	5 - 30°C
Minimum temperature differential:	10°C min.
Temperature stability (nominal):	±3°C
Static pressure:	16 bar max.
Operating pressure:	0.2 to 5.0 bar
Max. pressure loss ratio:	10:1 (either supply)
Minimum flow rate:	4 litres/min

Guarantee

All Reliance products undergo strict performance tests prior to despatch, and are guaranteed against faulty materials and workmanship for one year from date of purchase. This is in addition to any statutory right.

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