

SOLAR NON-RETURN VALVES

RMC water
valves

The RMC Solar Non-Return Valve is a high temperature non-return suitable for use on solar water heater systems.

Catalogue Numbers

Model	Catalogue Number
Solar Non Return Valve	SNR505



Description

Solar Non-Return valves prevent the backflow of heated water from a water heater to the mains line. This serves the dual purpose of protecting the mains supply from contamination and prevents the loss of water that has already been heated.

Solar and uncontrolled heating systems present an increased hazard to downstream components as water can become superheated and potentially flash to steam. Only high temperature non-return valves such as the Solar Non-Return Valve should be used in these circumstances.

Features and Benefits

- Solid brass construction
- Robust and reliable components
- High temperature resistant internals
- Tolerant of extreme temperatures found in uncontrolled heat source applications
- Dezincification resistant
- Meets Australian Standard for potable water supply
- Suitable for horizontal or vertical installation

Application

The RMC Solar Non-Return valve should be installed such that the direction of flow allows unheated water to travel in one direction, whilst preventing the return flow of heated water.

RMC recommends the use of a Solar Non-Return Valve on any water heater system where an uncontrolled heat source is used, or where the supply temperature may exceed the rated supply temperature of a regular non- return valve.

Materials

Body	DZR Brass
Check Valve	Ultem
O-Ring	EPDM

Notes

Product is rated for use in water up to a maximum temperature of 170°C for no longer than 3 minutes duration, no more than once a day.

Note direction of flow when installing valve, as marked on the body.



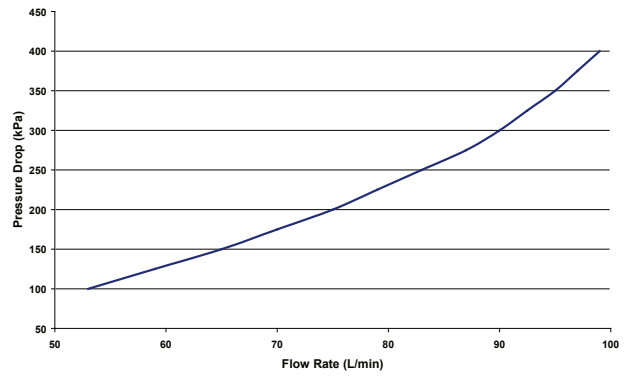
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Technical Specifications

Maximum Supply Temperature	170°C
Maximum Supply Pressure	1400 kPa
Flow Rate, Maximum	90 L/min
Threads	Inlet: ½" BSP Male Tapered Outlet: ¾" BSP Male Tapered
Body Finish	Machined Brass

Flow Characteristics



Dimensions

Model	Width (W)	Height (H)
SNR505	84	33

NB: All dimensions in millimetres unless otherwise stated.

