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

Catalogue Numbers

<table>
<thead>
<tr>
<th>Model</th>
<th>Catalogue Number</th>
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</thead>
<tbody>
<tr>
<td>Solar Non Return Valve</td>
<td>SNR505</td>
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</table>

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

Materials

<table>
<thead>
<tr>
<th>Body</th>
<th>DZR Brass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check Valve</td>
<td>Ultem</td>
</tr>
<tr>
<td>O-Ring</td>
<td>EPDM</td>
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</tbody>
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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.
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

Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>Width (W)</th>
<th>Height (H)</th>
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</thead>
<tbody>
<tr>
<td>SNR505</td>
<td>84</td>
<td>33</td>
</tr>
</tbody>
</table>

NB: All dimensions in millimetres unless otherwise stated.

Flow Characteristics