Slick Combo Set

Scope of Use / Specification Sheet

RMC’s Slick Combo is a purpose built control valve set, designed to simplify the installation of storage water heaters.

### Materials

<table>
<thead>
<tr>
<th>Bodies</th>
<th>Forged Brass or Cast Gunmetal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal Components</td>
<td>DZR Brass</td>
</tr>
<tr>
<td>Internal Seals</td>
<td>Viton® or Nitrile</td>
</tr>
<tr>
<td>Springs</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Tempering Valve Piston</td>
<td>Polysulfone</td>
</tr>
<tr>
<td>Fittings</td>
<td>DZR Brass</td>
</tr>
<tr>
<td>Circlips</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Face Seals</td>
<td>EPDM</td>
</tr>
</tbody>
</table>

### Features and Benefits

- All inlet controls in one box
- Fitted insulation
- Quick, easy and neat mounting for Plumbing Code conformance
- SharkBite® push-to-connect
- Easy alignment and connection of tempering valve cold water supply
- Tempering valve individually tested and calibrated to ensure higher quality and performance
- Integrated strainer protects the system for longer service life
- Dezincification resistant
- Meets Australian Standard for potable water supply
- Suitable for use with either 15mm or 20mm connecting pipework

### Standards and Approvals

- AS 3688 LIC WMKA0158 SAI GLOBAL
- AS 3688 LIC WM0000979 IAPMO R&T OCEANA
- AS 4032.2 LIC WMKA1593 SAI GLOBAL
- AS 1357.1/2 LIC WMKA21984 SAI GLOBAL
- AS 1357.2 LIC WMKA21984 SAI GLOBAL

### Warranty

Reliance Worldwide Corporation (Aust.) Pty. Ltd. (RWC) will either replace or repair any defective goods where the defect arose as a result of manufacture within the warranty period. You may contact RWC at the phone number, address or e-mail shown below for further information or to make a claim.


### Installation

Installation is subject to the requirements of the applicable regulatory authority, the National Construction Code Volume Three – Plumbing Code of Australia, associated reference standards as applicable at the time and AS/NZS 3500.1.
## Slick Combo Set

### Description

The Slick Combo includes a tempering valve, non-return valve, isolating valve and strainer, plus SharkBite® push-to-connect for the tempering valve cold water supply connection.

The Slick Combo inlet control valves prevent backflow of water from the water heater to the mains line. This protects the mains supply from contamination and the loss of water that has already been heated. The strainer protects the system from any debris and impurities that may be in the water supply. The tempering valve component mixes hot water with cold water to deliver tempered water at a constant temperature throughout the system.

The Slick Combo is supplied with insulation jackets fitted for each valve.

**Note:** Expansion control valve not included.

### Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Specification Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hot temperature supply range</td>
<td>60°C to 90°C</td>
</tr>
<tr>
<td>Cold temperature supply range</td>
<td>5°C to 30°C</td>
</tr>
<tr>
<td>Maximum supply pressure</td>
<td>1600kPa</td>
</tr>
<tr>
<td>Permitted supply pressure variation</td>
<td>2:1 (maximum)</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>40°C to 50°C</td>
</tr>
<tr>
<td>Factory set temperature range</td>
<td>Must be commissioned on site to achieve desired outlet temperature</td>
</tr>
<tr>
<td>Minimum temperature differential</td>
<td>15°C</td>
</tr>
<tr>
<td>Minimum flow rate</td>
<td>4 L/min</td>
</tr>
<tr>
<td>Maximum flow rate</td>
<td>50 L/min</td>
</tr>
</tbody>
</table>

### Flow Characteristics

![Flow Curve](#)

### Dimensions

**Note:** All measurements in mm unless otherwise stated.

#### Mixing Valve

- **Dimensions:**
  - Mixing Valve: 140mm
  - Mixing Valve – Reverse: 131mm

#### Non-Return Isolating Valve and Manifold

- **Dimensions:**
  - Non-Return Isolating Valve and Manifold: 85mm
  - Non-Return Isolating Valve and Manifold – Top: 100mm

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**Valves and Plumbing**

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Reliance Worldwide Corporation (Aust.) Pty. Ltd. reserves the right to change any product specification or information contained in this publication at any time and without notice. All diagrams are illustrative only. Please consult OEM instructions and AS/NZS 3500 for all installations. ABN 71 004 784 301 | © July 2020