**MV100 - Solenoid Valve**

Solenoid control valve with high flow and low pressure loss for use in drip, spray, and pop up sprinkler watering systems. Valve has been designed to utilise a minimum number of internal parts to ensure reliability and cost effectiveness.

**FEATURES**

- Body material natural Nylon 66 30% glass filled
- Solenoid outer casing natural Nylon 66 30% glass filled
- Stainless steel plunger with natural Nitrile elastomer tip
- Natural Nitrile elastomer diaphragm
- Flow control
- Internal manual bleed
- Female inlet / outlet bsp threads to AS1722

(Plumbing & drainage products - Solenoid valves)

**ELECTRICS**

- Solenoid encapsulant Nylon 66 (30%) Glass filled
- Magnetic stainless steel grade plunger
- Natural Nitrile elastomer plunger tip
- Stainless steel 302 plunger spring
- Voltage 24Vac 50Hz
- Voltage tolerance +10% or -10%
- Power consumption 4.5 VA
- Inrush current 400mA, Holding current 200mA

Electrical connections to field wires are made via the two flying leads protruding from valve using King One Step Dry Conn model 61135, 61235 or similar

**OPERATION**

The valve will operate correctly with the following conditions

- Ambient temperature 2° C to 60° C
- Relative Humidity 0% to 100%
- Temperature of water 2° C to 40° C
- Direction of flow markings on body (check before installing)
- Flow range 5lpm to 100lpm
- Minimum operating pressure 70kpa
- Maximum operating pressure 1250kpa
- Supply pipe velocity range 1.2 m/s to 6.5 m/s

For best performance valve should be installed in horizontal position with solenoid in an upright position.

**Built to Watermark standard allowing valve to be used as MASTER VALVE in WA domestic home watering systems (check local guides other states)**

**MODELS**

<table>
<thead>
<tr>
<th>Models</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>25mm male female thread inlet / outlet, with flow control and 24vac solenoid</td>
<td>MV100</td>
</tr>
</tbody>
</table>
Pressure Loss V’s Flow Rate

Flow Rate (Lpm) vs Pressure Loss (kPa)