**MV80 - Mini Solenoid Valve**

An economical micro control valve with high flow and low pressure loss for use in drip, spray, and pop up sprinkler watering systems. Ideally suited to residential use to meet standard water meter flows. Also available with a Viton diaphragm option, suitable for chemical spray application.

**FEATURES**

- Body material Nylon 66 30% glass filled
- Natural Nitrile elastomer diaphragm, or optional Viton diaphragm
- Bonnet screws stainless steel 304
- 304 Stainless steel 40 mesh screen (on inlet side of valve)

**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 or optional 12vac
- Voltage tolerance +10% or -10%
- Power consumption 8 VA
- Inrush current 320mA
- Holding current 260mA

**OPERATION**

The valve will operate correctly with in the following conditions:

- Ambient temperature 2° C to 60° C
- Relative Humidity 0% to 100%
- Temperature of water 2° C to 80° C
- Direction of flow markings on body (check before installing)
- Minimum operating pressure 20kpa
- Maximum operating pressure 1250kpa
- Supply pipe velocity range 1.2 m/s to 6.5 m/s
- Opening speed 1 sec
- Closing speed 1 sec

**MODELS**

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<tr>
<td>MV80</td>
<td>20mm male thread inlet / outlet and 24vac solenoid</td>
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<tr>
<td>MV80B</td>
<td>20mm male inlet / 19mm ld poly barb outlet and 24vac solenoid</td>
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<td>MV80-V-24VAC</td>
<td>20mm male thread inlet / outlet with viton diaphragm, plunger and 24vac solenoid</td>
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<td>MV80-V-12VDC</td>
<td>20mm male thread inlet / outlet with viton diaphragm, plunger and 12vdc solenoid</td>
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<td>MV80-240</td>
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<td>MV80BC</td>
<td>20mm male thread inlet / outlet, 24vac solenoid and barcode 9314538052129</td>
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<td>MV80BBC</td>
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MV80

Litres Per Minute

KPA

0 20 40 60 80 100 120 140

0 5 10 15 20 25 30 35 40 45 50 55 60