

Micro Solenoid Valve MV80

Application:

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.

Specifications:

- 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)
- WATERMARK approval ATS 5200.030-2004

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

Electrical:

- 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



Description	Code
20mm BSPM 24 VAC	MV80 - 24
20mm BSPM 12 VDC	MV80 - 12
20mm BSPM 240 VAC	MV80 - 240