



PRODUCT SPECIFICATION

VALVES

MICRO SOLENOID VALVE - MV80 RANGE

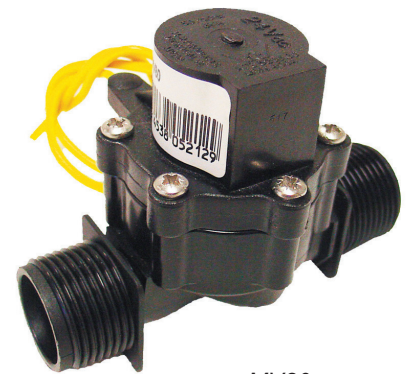
An economical micro control valve with high flow and low pressure loss for use in drip, spray and pop up sprinkler watering systems. Ideally suited to residential use to meet standard water meter flows. Also available with a Viton diaphragm option, suitable for chemical spray application.

FEATURES

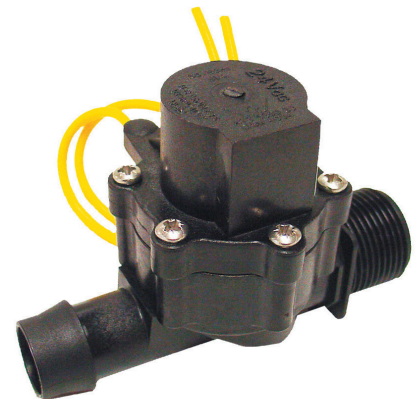
- Body material Nylon 66 30% glass filled
- Natural Nitrile elastomer diaphragm, or optional Viton diaphragm
- Bonnet screws stainless steel 304
- 304 Stainless steel 40 mesh screen (on inlet side of valve)
- WATERMARK approval ATS 5200.030-2004

ELECTRICAL SPECIFICATIONS

- 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 8VA
- Inrush current 320mA
- Holding current 260mA



MV80



MV80B

MODELS	CODE
20mm Male BSP inlet / outlet and 24vac solenoid	MV80
20mm Male BSP inlet / 19mm LD poly barbed outlet and 24vac solenoid	MV80B
20mm Male BSP inlet / outlet with viton diaphragm, plunger and 24vac solenoid	MV80-V-24VAC
20mm Male BSP inlet / outlet with viton diaphragm, plunger and 12vac solenoid	MV80-V-12VDC
20mm Male BSP inlet / outlet and 240vac solenoid	MV80-240V
20mm Male BSP inlet / outlet and 12vdc solenoid	MV80-12VDC
20mm Male BSP inlet / outlet and 12vdc solenoid normally open	MV80-12VDCN/O

Note: For use in cold water irrigation systems only, for all other applications please consult HR Products
Images are a guide only and may not represent final product



VALVES_MV80_V1.10-20

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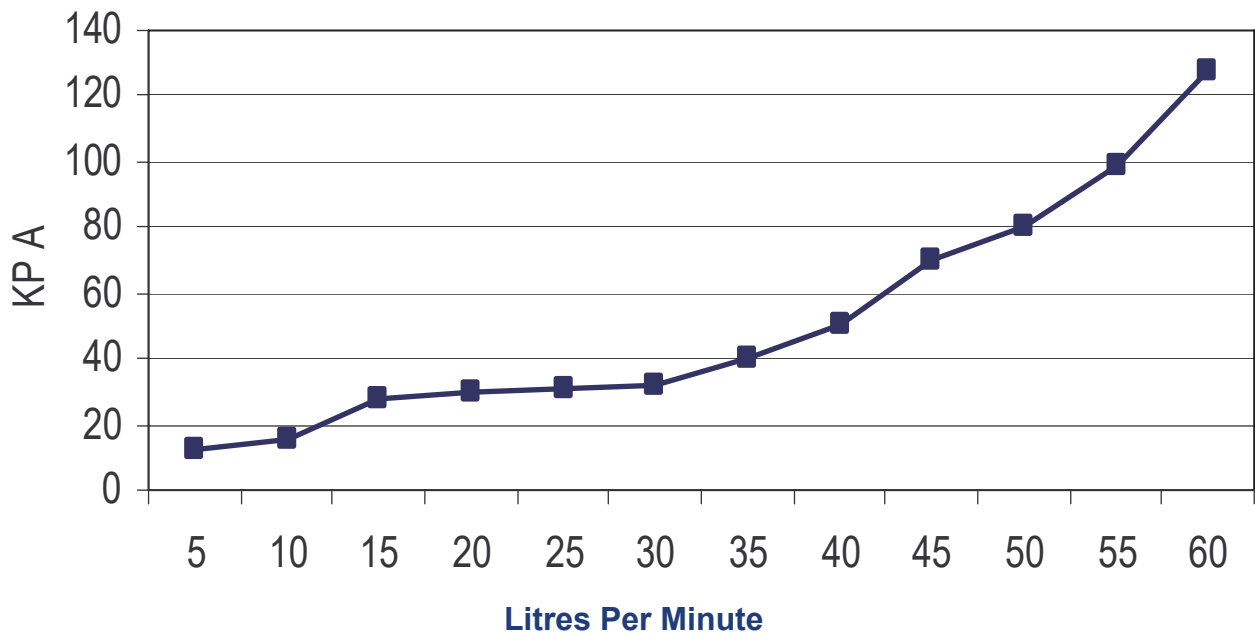
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OPERATION

The valve will operate correctly 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 1.2m/s to 6.5m/s
- Opening Speed 1 sec
- Closing Speed 1 sec

Flow vs Pressure Loss



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