

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

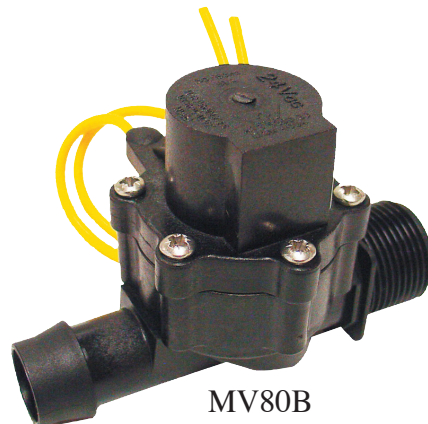
- Body material Nylon 66 30% glass filled
- Natural Nitrile elastomer diaphragm, or optional Viton diaphragm
- Bonnet screws stainless steel 304
- 304 Stainless steel 40 mesh screen (on inlet side of valve)
- WATERMARK approval ATS 5200.030-2004.

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	CODE
20mm male thread inlet / outlet and 24vac solenoid	MV80
20mm male inlet / 19mm ld poly barb outlet and 24vac solenoid	MV80B
20mm male thread inlet / outlet with viton diaphragm, plunger and 24vac solenoid	MV80-V-24VAC
20mm male thread inlet / outlet with viton diaphragm, plunger and 12vdc solenoid	MV80-V-12VDC
20mm male thread inlet / outlet and 240vac solenoid	MV80-240
20mm male thread inlet / outlet , 24vac solenoid and barcode 9314538052129	MV80BC
20mm male inlet / 19mm ld poly barb outlet, 24vac solenoid and barcode 9314538052136	MV80BBC

PERTH

PH: 08 9455 1677
FAX: 08 9455 1680
hrproducts@bigpond.com.au

SYDNEY

PH: 02 9725 5733
FAX: 02 725 5283
nsw_hrproducts@bigpond.com

MELBOURNE

PH: 03 9457 7500
FAX: 03 9457 7400
vic_hrproducts@bigpond.com

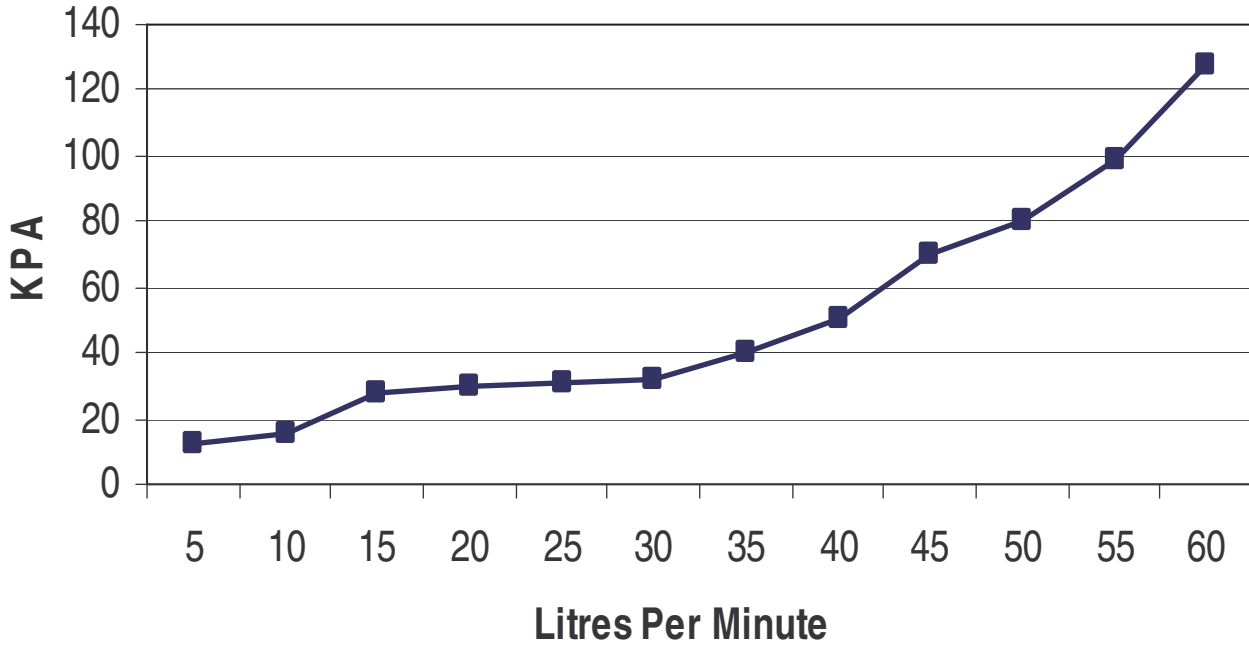
BRISBANE

PH: 07 3290 1200
FAX: 07 3808 4997
qld_hrproducts@bigpond.com

ADELAIDE

PH: 08 8341 0008
FAX: 08 8341 0707
sa_hrproducts@bigpond.com

MV80



PERTH

PH: 08 9455 1677
FAX: 08 9455 1680
hrproducts@bigpond.com.au

SYDNEY

PH: 02 9725 5733
FAX: 02 725 5283
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PH: 03 9457 7500
FAX: 03 9457 7400
vic_hrproducts@bigpond.com

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PH: 07 3290 1200
FAX: 07 3808 4997
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