

DV-SERIES

Plastic Electric Valves - The Right Choice in Valves.

- Double-filtered pilot-flow design for maximum reliability
- Balanced-pressure diaphragm for long life
- Energy-efficient, low-power encapsulated solenoid with captured plunger and 200 micron solenoid filter

FEATURES

• Ease of Service

- Flow control mechanism on 100-DVF model
- Manual ON/OFF control with 1/4-turn of solenoid.
- Internal bleed for spray-free manual operation
- External bleed screw to manually flush system of dirt and debris during installation and system start-up

• Versatility

- Globe (DV, DVF and DV-MM models) configurations
- Available in male x male configuration: 1" BSP 100-DV-MM, 1" BSP 100-DV-MM-9V
- Also available in 9V solenoid configuration: 3/4" 075-DV-9V, 1" BSP 100-DV-9V, 1" BSP 100-DV-MM- 9V
- Operates in low-flow and Xerigation® applications when the RBY filter is installed upstream.

• Reliability

- Rugged PVC body
- Stainless steel phillips head screws

SPECIFICATIONS

Flow: 075-DV: 0.24 to 4,5 m³/h

Note: For flows below 0.75 m³/h or any low volume irrigation application, use PRF-075-RBY filters installed upstream

100-DV, 100-DVF and 100-DV-MM:

0.24 to 9.0 m³/h

Note: DV male x male not recommended for flows exceeding 6,8 m³/h

Pressure: 1 to 10.4 bar (23° C)

Temperature: up to 43°C

ELECTRICAL SPECIFICATIONS

Solenoid: 24 VAC - 50 Hz

Inrush current: 0.30 A (7.2 VA)

Holding current: 0.19 A (4.6 VA)

Not for use with decoder system

DIMENSIONS

075-DV and 100-DV: Height: 11.4 cm
Length: 11.1 cm
Width: 8.4 cm

100-DVF: Height: 14.2 cm
Length: 11.1 cm
Width: 8.4 cm

100-DV-MM: Height: 11.4 cm
Length: 13.6 cm
Width: 8.4 cm

MODELS

075-DV : 3/4" (20/27) female threaded inlet and outlet

075-DV-9V: 3/4" (20/27) female threaded inlet and outlet, latching solenoid

100-DV : 1" (26/34) BSP female threaded inlet and outlet

100-DV-9V : 1" (26/34) BSP female threaded inlet and outlet, latching solenoid

100-DVF : 1" (26/34) BSP female threaded inlet and outlet with flow control mechanism

100-DV-MM : 1" (26/34) BSP male threaded inlet and outlet

100-DV-MM-9V : 1" (26/34) BSP male threaded inlet and outlet, latching solenoid

ACCESSORIES

MTT-100: Fitting used to build a 1" (26/34) BSP valve manifold

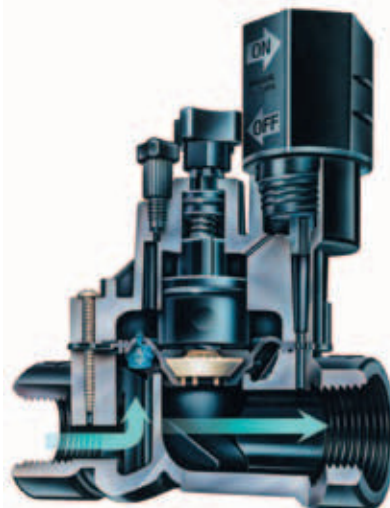
DB, DBR/Y-6, DBM, KING wire connectors

PRF-075-RBY

PERFORMANCE: Valve pressure loss (bar)

m ³ /h	075-DV	100-DV 100-DVF	100-DV-MM
0,24	0,22	0,23	0,22
0,60	0,26	0,24	0,24
1,20	0,29	0,26	0,26
3,60	0,45	0,32	0,37
4,50	0,53	0,35	0,42
6,00	-	0,41	0,53
9,00	-	0,59	0,87

Pressure loss values are with flow control fully open.



100-DV



100-DV-MM-9V

How to specify

100- DVF- MM

Model
male threaded
inlet and outlet

Model
DV: female threaded
inlet and outlet
DVF: Flow Control

Size
075: 3/4" (20/27)
100: 1" (26/34)