

Technical Data

Rain Bird > Electrovalves

> DV/DVF Series



DESCRIPTION:

- Double-filtered (diaphragm and solenoid) pilot-flow design for maximum reliability and grit resistance
- Buna-N, balanced pressure diaphragm with self-cleaning 90 mesh (200 micron) pilot water filter and captive spring
- Energy-efficient, low-power encapsulated solenoid with captured plunger and 90-mesh (200 micron) solenoid filter
- Unique, easy-to-turn pressure assisted flow control mechanism (DVF models only)
- External bleed to manually flush system of dirt and debris during installation and system start-up
- Internal bleed for spray-free manual operation
- Accepts Rain Bird TBOS latching solenoid for use with most batteryoperated controllers
- Operates in low-flow and landscape drip application when a 200 mesh filter is installed upstream
- Not recommended for use with two-wire control systems

Features

Specifications

- Pressure: 1,0 to 10,4 bar
- 075-DV Non-Flow Control Model: 0,05 to 5,0 m³/h; for flows below 0,68 m³/h or any landscape drip application, use a 200 mesh filter installed upstream
- 100-DV Non-Flow Control Model: 0,05 to 9,085 m³/h; for flows below 0,68 m³/h or any landscape drip application, use a 200 mesh filter installed upstream
- 100-DVF Flow Control Model: 0,05 to 9,085 m³/h; for flows below 0,68 m³/h or any landscape drip application, use a 200 mesh filter installed upstream
- Water Temperature: Up to 43° C
- Ambient air temperature: Up to 52° C
- 24 V AC 50/60 Hz (cycles per second) solenoid power requirement: 0,450 A inrush current; 0,250 A holding current
- Solenoid coil resistance: 38 Ohms

Dimensions

- DV valves:
Height: 11,4 cm
Length: 11,1 cm
Length (MB): 14,6 cm
Width: 8,4 cm
- DVF valves:
Height: 14,2 cm
Length: 11,1 cm
Length (MB): 14,6 cm
Width: 8,4 cm

Pressure drop (bar) of the DV and DVF valves

100-DV/100-DVF 1" flow range

m ³ /h	l/min	bar
0,23	4	0,23
0,6	10	0,24
1,2	20	0,26
3,6	60	0,32
4,5	75	0,35
6	100	0,41
9	150	0,59

Note: the DV / DVF Male x Plug (MxB) models are not suitable for flow rates above 6,81 m³/h (113,56 l/min)



100-DV



100-DVF



100-DVF Cutaway

DV 24 V AC SERIES

Code	Mod.	Coup.	Ø	PN	Q _{max} m ³ /h	Box
OVA160	B72110	F/F	¾"	10	4,5	20
OVA163	B70211	F/F	1"	10	9,0	20
OVA166	B70500	M/M	1"	10	9,0	20

DV 9 V DC SERIES

Code	Mod.	Coup.	Ø	PN	Q _{max} m ³ /h	Box
OVA167	B70240	F/F	1"	10	9,0	20
OVA165	B70540	M/M	1"	10	9,0	20

DVF 24 V AC SERIES

Code	Mod.	Coup.	Ø	PN	Q _{max} m ³ /h	Box
OVA164	B70311	F/F	1"	10	9,0	20