

DV / DVF Series (cont.)

Dimensions

DV Valves

- Height: 4½" (11.4 cm)
- Height (Angle): 5½" (14 cm)
- Length: 4¾" (11.1 cm)
- Length (Angle): 3¾" (9.5 cm)
- Length (MB): 5¾" (14.6 cm)
- Width: 3½" (8.4 cm)

DVF Valves

- Height: 5¾" (14.2 cm)
- Length: 4¾" (11.1 cm)
- Length (MB): 5¾" (14.6 cm)
- Width: 3½" (8.4 cm)

Models

- 075-DV: ¾" NPT
- 100-DV: 1" NPT female x female*
- 100-DV-SS: 1" slip x slip
- 100-DV-A: 1" NPT female x female
- 100-DV-MB: 1" male x barb
- 100-DVF: 1" NPT female x female*
- 100-DVF-SS: 1" slip x slip
- 100-DVF-MB: 1" male x barb

* Available with BSP threads

Recommendations

1. Rain Bird recommends flow rates that result in discharge velocities in the supply line not to exceed 7.5 ft/sec (2.3 m/s) in order to reduce the effects of water hammer.
2. Rain Bird residential valves cannot be used with PRS pressure regulating modules.
3. **Not recommended for use with two-wire systems.**

DV and DVF Valve Pressure Loss (psi)		
Flow gpm	075-DV ¾" psi	100-DV/100-DVF 1" psi
1	3.2	3.3
3	3.9	3.6
5	4.2	3.8
10	5.0	3.8
20	7.7	5.1
30	-	6.4
40	-	8.6

DV and DVF Valve Pressure Loss (bar)			METRIC
Flow m³/h	l/m	075-DV ¾" bar	100-DV/100-DVF 1" bar
0.23	4	0.22	0.23
0.60	10	0.26	0.24
1.20	20	0.29	0.26
3.60	60	0.45	0.32
4.50	75	0.53	0.35
6.00	100	-	0.41
9.00	150	-	0.59

100-DV Angle, MxB Valve Pressure Loss (psi)		
Flow gpm	075-DV ¾" psi	100-DV/100-DVF 1" psi
1	2.8	2.5
3	3.0	2.9
5	3.2	3.0
10	3.9	3.1
20	4.3	4.3
30	5.4	7.4
40	8.2	12.7

100-DV Angle, MxB Valve Pressure Loss (bar)			METRIC
Flow m³/h	l/m	075-DV ¾" bar	100-DV/100-DVF 1" bar
0.23	4	0.19	0.17
0.60	10	0.20	0.19
1.20	20	0.22	0.21
3.60	60	0.28	0.26
4.50	75	0.30	0.30
6.00	100	0.35	0.44
9.00	150	0.56	0.86

Note: DV/DVF Male x barb not recommended for flows exceeding 30 gpm (6.81 m³/h, 113.56 l/m)