

Low Flow Valves

Valves designed exclusively for the low flow rates of a drip irrigation system (0.2 - 10.0 gpm; 0.6 to 37.8 l/m)

Features

- The only valves in the industry made specifically for drip irrigation systems, making these the only valves that can effectively handle particles at low flow rates – patented design
- These valves contain all of the features of reliable Rain Bird DV valves, coupled with a unique diaphragm design that allows particles to pass through at extremely low flow rates, thereby preventing weeping of the valve
- Allows the filter to be safely placed downstream of the valve since these valves handle all sizes of particles
- Unique “double-knife” diaphragm coupled with ½" diameter seat for flawless operation at low flow rates
- Low Flow Valve is available in ¾" In-line model
- Double-filtered pilot flow design for maximum reliability
- External bleed to manually flush the system of dirt and debris during installation and system start-up
- Internal bleed for spray-free manual operation.

Operating Range

- Flow: 0.20 to 10.0 gpm (0.6 to 37.8 l/m)
- Pressure: 15 to 150 psi (1.0 to 10.3 bar)

Electrical Specifications

- 24 VAC 50/60 Hz (cycles/sec) solenoid
- Inrush current: 0.30 (7.2 VA) at 50/60 Hz
- Holding current: 0.19 A (4.56 VA) at 50/60 Hz

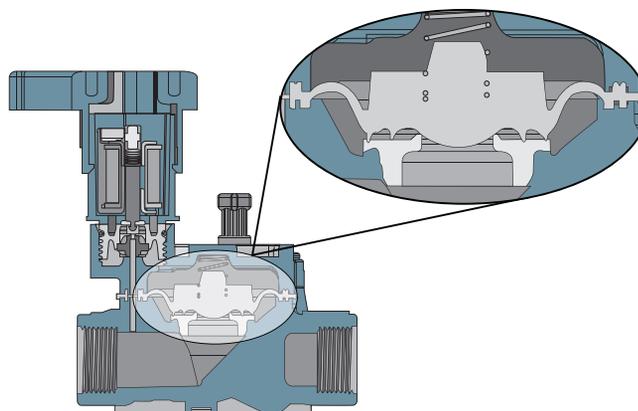
Models

- LFV-075: ¾" Low Flow DV Valve
- LFV-100*: 1" Low Flow DV Valve

*Available with BSP threads

Pressure Loss Characteristics		
Flow gpm	LFV-075 psi	LFV-100 psi
0.2	3.0	3.0
1.0	3.2	3.4
2.0	3.3	3.8
4.0	3.6	5.0
6.0	4.2	6.4
8.0	6.8	7.5

Pressure Loss Characteristics		METRIC
Flow l/m	LFV-075 bar	LFV-100 bar
0.6	0.21	0.21
3.6	0.22	0.23
7.8	0.23	0.26
15.0	0.25	0.34
22.8	0.28	0.44
30.0	0.47	0.52



Unique Diaphragm Design



LFV-075

Note: Also available as part of XCZLF-100-PRF (p. 154)