

## ASVF Series

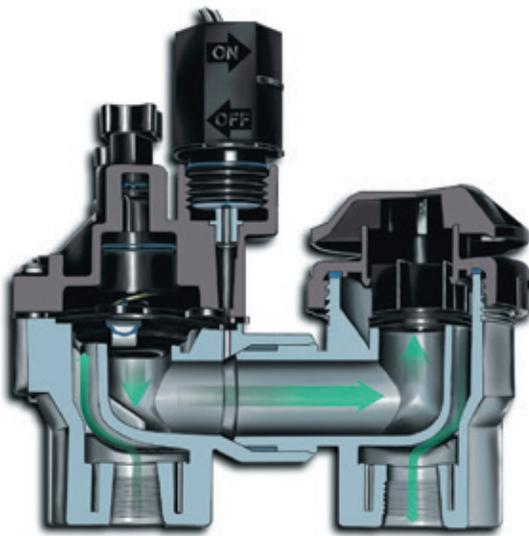
Anti-siphon Valve with Flow Control – The Industry Leader for Over 20 Years

### Features

- Combination of the reliable DVF Angle valve and atmospheric backflow preventer in one unit
- Incorporates all features of DV/DVF Series valves
- **Not recommended for use with two-wire control systems**

### Specifications

- Pressure: 15 to 150 psi (1,0 to 10,4 bar)
- 075-ASVF Flow: 0.2 to 22 GPM (0,05 to 5,0 m<sup>3</sup>/h; 0,01 to 1,39 l/s). For flows below 3 GPM (0,68 m<sup>3</sup>/h; 0,19 l/s) or any Landscape Drip products application, use a 200 mesh filter installed upstream
- 100-ASVF Flow: 0.2 to 40 GPM (0,05 to 9,085 m<sup>3</sup>/h; 0,01 to 2,52 l/s). For flows below 3 GPM (0,68 m<sup>3</sup>/h; 0,19 l/s) or any Landscape Drip products application, use a 200 mesh filter installed upstream
- Water temperature: Up to 110° F (43° C)
- Ambient air temperature: Up to 125° F (52° C)
- 24 VAC 50/60 Hz (cycles per second) solenoid power requirement: 0.450A inrush current; 0.250A holding current
- Solenoid coil resistance: 38 Ohms



ASVF Cutaway

### Installation Notes

- Anti-siphon valve must be installed upright
- Anti-siphon unit must be installed at least 6" (15,2 cm) above the highest point of water in the pipe and sprinklers it serves
- No valve can be located downstream of the anti-siphon valve
- Anti-siphon valves must not be subjected to operating pressure for more than twelve (12) hours in any twenty-four (24) hour period
- Uniform Plumbing Code Table 603.2 Consult local codes

### Dimensions

- Height: 6 1/4" (15.8 cm)
- Length: 6 1/10" (15.5 cm)
- Width: 3 1/5" (8.1 cm)

### Models

- 075-ASVF: 3/4"
- 100-ASVF: 1"

Models available in NPT threads only

### 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.**



100-ASVF

### ASVF Valve Pressure Loss (psi)

Flow gpm	075-ASVF 3/4" psi	100-ASVF 1" psi
1	2.8	2.9
3	3.4	3.1
5	3.8	3.3
10	4.6	3.9
20	6.5	5.0
30	-	7.8
40	-	13.4

### ASVF Valve Pressure Loss (bar)

Flow m <sup>3</sup> /h	METRIC		
	l/m	075-ASVF 3/4" bar	100-ASVF 1" bar
0.23	3.8	0.19	0.20
0.6	10	0.23	0.21
1.2	20	0.26	0.23
3.6	60	0.39	0.31
4.5	75	0.45	0.34
6.0	100	-	0.47
9.0	150	-	0.91

\* Rain Bird recommends flow rates in the supply line not to exceed 7.5 ft/sec (2.3 m/s) in order to reduce the effects of water hammer