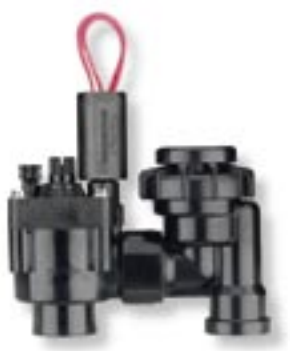
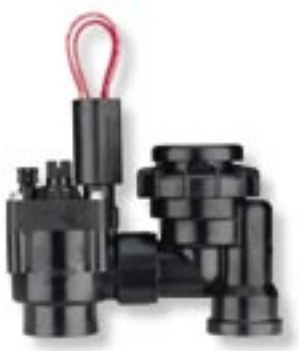
Hunter®
The Irrigation Innovators

ASV

Atmospheric backflow prevention in an economical valve designed for residential and light commercial use



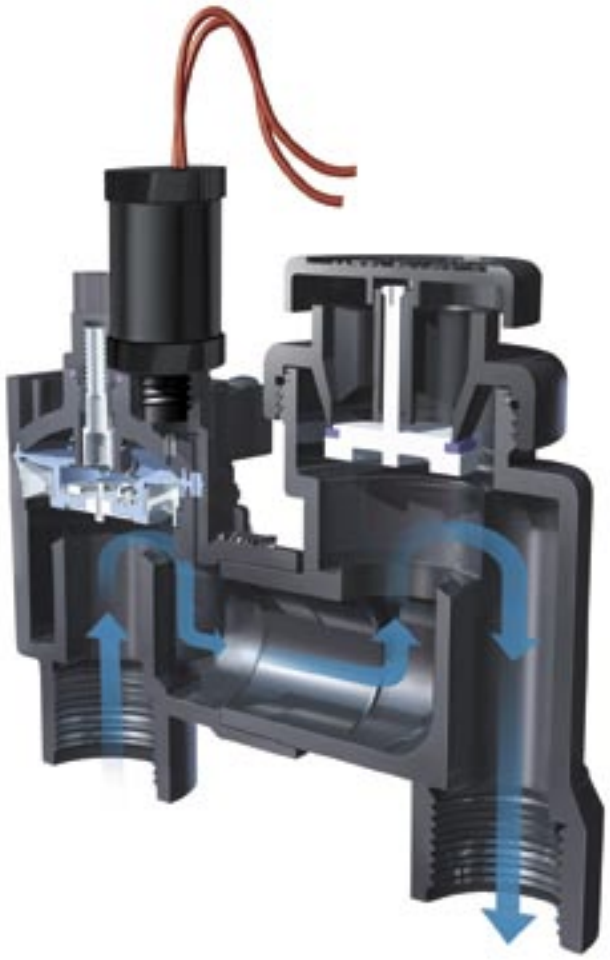
¾" Anti-Siphon



1" Anti-Siphon

With the ASV, irrigation systems that require backflow prevention for every zone can enjoy simple operation and trouble-free performance without the need to install a separate backflow preventer. This convenient all-in-one unit offers a host of features that professionals expect from a Hunter valve–a rugged diaphragm that provides a leak-proof seal, internal bleed for manual operation, stainless steel hardware and springs, stainless steel bonnet screws, and heavy-duty PVC construction that is both corrosion- and UV-resistant. The valve also includes flow control, allowing precise adjustment of the flow plus manual shutoff. For proven reliability in an anti-siphon/electric valve, depend on the ASV.

Features & Benefits



Heavy-duty Hunter solenoid
Provides dependable operation and long life

High grade construction
Made of durable PVC and stainless steel to resist wear

Internal and external manual bleed
Easy to use, internal manual bleed keeps valve area dry

Standard flow control
Adjust the flow of each zone on a system

Optional slip configuration
Permits direct solvent connection to PVC pipe

Rigid diaphragm support
Works to prevent stress failure in tough conditions

Captive solenoid plunger and anti-siphon poppet
No lost parts during routine service

Models

ASV-075 – ¾" anti-siphon electric valve with flow control, NPT inlets

ASV-101 – 1" anti-siphon electric valve with flow control, NPT inlets

ASV-075-S – ¾" anti-siphon electric valve with flow control, Slip inlets

ASV-101-S – 1" anti-siphon electric valve with flow control, Slip inlets

PACZ-075 – ¾" anti-siphon drip control zone kit

AVB-100 – 1" Atmospheric vacuum breaker, NPT inlets

Dimensions

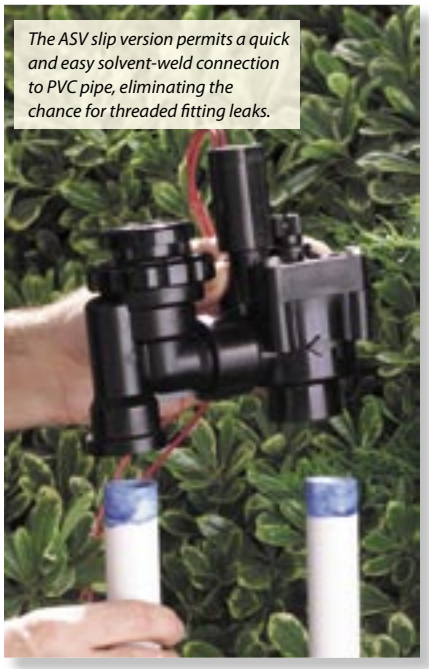
- ASV-075 – 5½" H x 5¾" L x 2½" W
  (14 cm H x 11 cm L x 6 cm W)
  Female inlet/outlet: ¾" NPT or Slip
- ASV-101 – 5½" H x 6¼" L x 2½" W
  (14 cm H x 15.9 cm L x 6 cm W)
  Female inlet/outlet: 1" NPT or Slip

Operating Specifications

- Flow: 1 to 30 GPM
  (0.23 to 6.8 m^3/hr; 3.8 to 114 l/min)
- Pressure: 20 to 150 PSI
  (1.4 to 10.3 bars; 138 to 1034 kPa)
- Heavy-duty solenoid: 24VAC, 370mA inrush current, 190mA holding current, 60 cycles; 475mA inrush current, 230mA holding current, 50 cycles
- IAPMO, ASSE 1001 and City of Los Angeles approved

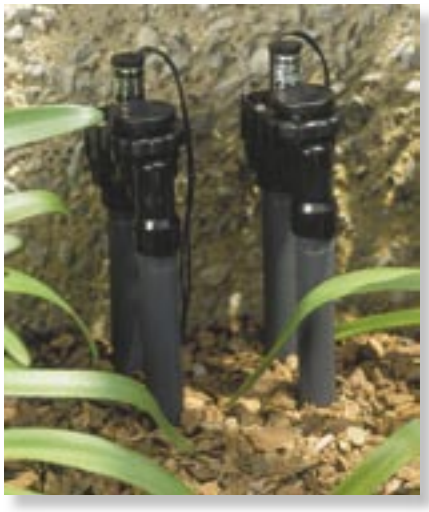
Options Available

- Reclaimed water identification handle (part # 269205)
- DC latching solenoid (part # 458200)
- Some models available less solenoid (LS) for DC solenoid applications
- Solenoid conduit cover (part # 464322)



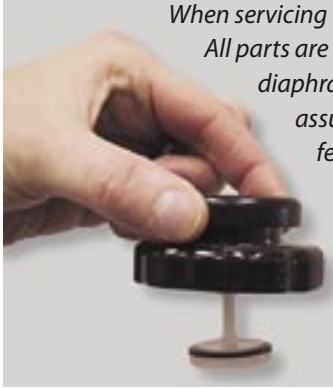
The ASV slip version permits a quick and easy solvent-weld connection to PVC pipe, eliminating the chance for threaded fitting leaks.

What is Backflow and Why Do I Need to Prevent It?



Backflow is an undesirable reversal of the flow of water and other unwanted substances (e.g., reclaimed water, lawn chemicals, fertilizer, etc.) from any source into the distribution pipes of a potable water system. At a typical residential or commercial installation, the actual problem is called backsiphonage. Because sprinkler heads are located below ground level, water which may have been in contact with fertilizers or other potentially toxic applications can be siphoned back through a leaky valve and enter the potable water supply. A backflow prevention device like the ASV contains a moving element inside which, during flow, keeps water from spilling from the unit and, during cessation of flow, drops down to provide a vent opening. The result is safe, uncontaminated water where you expect it.

Captive Parts Prevent Lost Pieces and Frustration

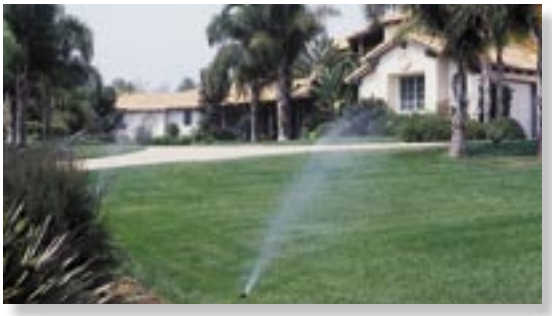


When servicing is required, the ASV is the valve that makes it easy. All parts are captive within the valve, including the screws, diaphragm, solenoid plunger, and antisiphon poppet, assuring nothing will be lost in the mud. The ASV also features screw through-holes in the valve body for trouble-free screw placement. If dirt gets into these holes it's not a problem because as the screw is turned into the body, the dirt comes out the bottom. (It sounds simple, but other brands actually require removal of the valve to clean out the debris.)

ASV Pressure Loss in PSI

GPM	¾"	1"
1	1.0	1.0
5	2.0	2.0
10	2.0	2.0
15	3.0	3.0
20	6.0	6.0
25		6.0
30		9.0

Charts based on full-open flow control position.



SPECIFICATION GUIDE

EXAMPLE: **ASV - 101 - S - DC**

MODEL	FEATURES	OPTIONS FACTORY INSTALLED	OPTIONS USED INSTALLED
ASV	**075** = ¾" Anti-Siphon Valves with Flow Control **075LS** = ¾" Anti-Siphon Valves with Flow Control Less Solenoid **101** = 1" Anti-Siphon Valve with Flow Control **101LS** = 1" Anti-Siphon Valve with Flow Control Less Solenoid	**S** = Slip x Slip (ASV Only)	**R** = Reclaimed Water Identification Handle **DC** = DC Latching Solenoid **CC** = Solenoid Conduit Cover
AVB	**100** = 1" Atmospheric Vacuum Breaker		

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