

PGV-ASV

ROTORS SPRAYS VALVES CONTROLLERS SENSORS CENTRAL CONTROLS MICRO

Hunter®

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



Back in black. The new PGV-ASV is one tough customer. Totally redesigned to be the toughest valve in its class, the PGV-ASV boasts a six-bolt bonnet design and durable glass reinforced nylon. And as always, with the PGV-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. Of course, we still kept what makes the Hunter ASV great: A rugged diaphragm with a leak-proof seal; internal and external manual bleed; high-quality solenoid, and compatibility with DC solenoids and our WVC and SVC controllers; heavy duty PVC construction that is non-corroding and even more UV-resistant; and flow control, for precise adjustment of the flow and manual shutoff.



Features & Benefits

- Improved six-bolt bonnet design for superior strength
- New material provides greater strength and performance in high heat site conditions
- 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
- Compatibility with DC solenoids and Hunter WVC, SVC and XC Hybrid controllers
- More supporting ribs and a new body design provide stronger performance you can count on
- New Drip Control Zone Kit incorporates new valve design to provide superior performance for use with drip zones



PGV-ASV

Models

PGV-075-ASV – ¾" anti-siphon electric valve with flow control, NPT inlet/outlet

PGV-101-ASV – 1" anti-siphon electric valve with flow control, NPT inlet/outlet

PGV-075-ASV-S – ¾" anti-siphon electric valve with flow control, Slip inlet/outlet

PGV-101-ASV-S – 1" anti-siphon electric valve with flow control, Slip inlet/outlet

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

AVB-100 – 1" Atmospheric vacuum breaker, NPT inlet/outlet



¾" Anti-Siphon



1" Anti-Siphon

Dimensions

- PGV-075-ASV – 5½" H x 5¾" L x 2½" W (14 cm H x 11 cm L x 6 cm W)
- PGV-101-ASV – 5½" H x 6¼" L x 2½" W (14 cm H x 15.9 cm L x 6 cm W)

Operating Specifications

- Flow: 1 to 30 GPM (0.23 to 6.8 m³/hr; 3.8 to 114 l/min)
- Pressure: 20 to 150 PSI (1.4 to 10.3 bars; 138 to 1034 kPa)
- Ambient temperature: up to 125° F (52° C)
- Heavy-duty solenoid: 24 VAC, 370 mA inrush current, 190 mA holding current, 60 cycles; 475 mA inrush current, 230 mA 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)

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) 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 valve and enter the potable water supply. A backflow prevention device like the PGV-ASV contains an internal plunger which, during flow, prevents water from flowing out of the unit and, when the valve closes, 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 PGV-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 during service. The PGV-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.)



SPECIFICATIONBUILDER

MODEL	FEATURES	MODEL	OPTIONS USER INSTALLED
PGV	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	ASV = Threaded ASV-S = Slip	R = Reclaimed Water DC = Identification Handle CC = DC Latching Solenoid Solenoid Conduit Cover
ACZ	075 = ¾" PGV-ASV valve with ¾" HY075 filter system	25 = 25 PSI regulator 40 = 40 PSI regulator	

PGV-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.

EXAMPLE



PGV - 101 - ASV - S - DC

Note: Atmospheric Vacuum Breaker available as Model, AVB-100.