

Hunter®



A complete line-up of rugged, professional-grade valves designed to handle the full range of landscape needs.

This hard working, heavy-duty performer offers you the best features you'll need to handle the rigors of whatever your site has to offer. For smaller landscape applications, the PGV is available in four 1" body configurations, in either an angle, female threaded and slip, male x male, or male x barb design. In turn, each model is available with either flow control or non-flow control versions. For larger landscape applications, the PGV comes in both 1½" and 2" globe/angle models (with flow control). All models feature durable high-grade construction and a rugged diaphragm with a support to prevent stress failure.

Features & Benefits

- **Heavy-duty Hunter solenoid** Provides dependable operation and long life
- **High grade construction, 150 PSI rating** Made of durable materials to resist wear
- **Internal and external manual bleed** Two options for manual operation
- **Flow control with non-rising handle** Adjust the flow of each zone on a system
- **Rigid diaphragm support** Works to prevent stress failure in tough conditions
- **Globe and angle configurations** Easy to use in any application
- **Captive bonnet bolts and solenoid plunger** No lost parts during servicing
- **Accu-Sync™ pressure regulator compatible:** Pressure regulation for precise system control on all PGV models

A Valve for Those with a Different Slant on Installations

If your system's main line is deeper than its lateral line, Hunter has a valve created exclusively for your needs. The angle version of the PGV offers all the great features that you've come to expect in a Hunter valve, plus a design equipped to handle the special configurations of your installations. While many would consider the use of such a product to be somewhat non-traditional, the PGV angle actually boasts a flow characteristic that provides less friction loss than you'll find in a globe version valve in a more "traditional" system layout. Thus, the PGV angle can be an ideal choice for irrigation systems that have to operate with low water pressure.



PGV Valve

Models

- PGV-100G – 1" plastic globe valve, female thread
- PGV-101G – 1" plastic globe valve with flow control, female thread
- PGV-100A – 1" plastic angle valve
- PGV-101A – 1" plastic angle valve with flow control
- PGV-100MB – 1" plastic globe valve, male thread x 1" barb
- PGV-100MB125 – 1" plastic globe valve, male thread x 1¼" barb
- PGV-101MB – 1" plastic globe valve, with flow control, male thread x 1" barb
- PGV-101MB125 – 1" plastic globe valve, with flow control, male thread x 1¼" barb
- PGV-100MM – 1" plastic globe valve, male x male thread
- PGV-101MM – 1" plastic globe valve, with flow control, male x male thread
- PCZ10125 – 1" drip control zone kit, 25 PSI regulator
- PCZ10140 – 1" drip control zone kit, 40 PSI regulator
- PGV-151 – 1½" plastic angle/globe valve with flow control
- PGV-201 – 2" plastic angle/globe valve with flow control

Dimensions

- 1" Globe and Male x Male (H x L x W): 5" x 4½" x 2½" (13 cm x 11 cm x 6 cm)
- 1" Male x Barb (H x L x W): 5" x 5½" x 2½" (13 cm x 14 cm x 6 cm)
- 1" Angle (H x L x W): 5½" x 3½" x 2¾" (14 cm x 9 cm x 7 cm)
- 1½" Globe/Angle (H x L x W): 7½" x 5¾" x 4½" (19 cm x 15 cm x 11 cm)
- 2" Globe/Angle (H x L x W): 8" x 6¾" x 5¼" (20 cm x 17 cm x 13 cm)

Operating Specifications

- Flow: 0.2 to 120 GPM (0.04 to 27.2 m³/hr; 0.7 to 454.2 l/min)
- Pressure: 20 to 150 PSI (1.4 to 10.3 bars; 138 to 1034 kPa)
- 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

Options Available

- Accu-Sync™ pressure regulator
- Reclaimed water identification handle for PGV-101 models (part # 269205) and for PGV-151/201 models (part # 607105)
- DC latching solenoid (part # 458200), some models available less solenoid for DC solenoid applications
- Solenoid conduit cover (part # 464322)
- Drip Irrigation Valve Kit (part # PCZ10125 or PCZ10140)

Captive Bonnet Screws, Diaphragm, and Solenoid Plunger Means No Lost Parts During Servicing

When servicing is required, the PGV is the valve that makes it easy. The screws, captive within the bonnet, are designed to be removed by a nut driver, Phillips, or slotted screwdriver. All parts are captive within the solenoid (a great feature in a valve, assuring those parts will not be lost in the mud). The PGV also features screw through-holes in the valve body for trouble-free screw placement. If dirt gets into these holes it's no problem: 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.)



Accu-Sync™: Fixed or Adjustable Pressure Regulation for Any Zone

Only Accu-Sync™ brings fixed or adjustable pressure regulation to any Hunter valve. The adjustable model enables the zone pressure to be customized from 20 to 100 PSI, while fixed models allow for easy installation at a set pressure.



The PCZ101 is a preassembled, factory water-tested kit that brings together the PGV valve with both a filter and a pressure regulator, providing you with a complete control zone for drip applications.

GPM	PGV Pressure Loss in PSI		1-1/2" Globe		1-1/2" Angle		2" Globe		2" Angle	
	1" Globe	1" Angle								
1	1.1	1.0								
5	1.9	1.0								
10	1.9	1.0								
15	1.6	1.0								
20	3.3	2.0	3.0	3.0	1.0	1.0				
30	6.1	3.0	3.0	3.0	1.0	2.0				
40			3.0	3.0	2.0	2.0				
50			4.0	3.5	1.0	1.0				
60			5.0	4.0	2.0	2.0				
80			5.5	4.5	3.0	2.0				
100			9.0	8.0	5.0	3.0				
120			11.5	10.5	6.0	5.0				
135					8.0	7.0				
150					10.0	9.0				

MODELS	INLET/OUTLET	OPTIONS FACTORY INSTALLED	OPTIONS USER INSTALLED
PGV-100G = 1" Globe valve, no flow control	(blank) = Female NPT	(blank) = No option	(blank) = No options
PGV-101G = 1" Globe valve, with flow control	S = Slip x slip (excludes PGV-151 and PGV-201)	DC = DC latching solenoid	R = Reclaimed water ID handle (except PGV-100G)
PGV-100A = 1" Angle valve, no flow control	B = BSP threads	LS = Valve without solenoid	CC = Solenoid conduit cover
PGV-101A = 1" Angle valve, with flow control			DC = DC latching solenoid
PGV-151 = 1½" Globe/angle valve, with flow control			AS-ADJ = Accu-Sync adjustable pressure regulator
PGV-201 = 2" Globe/angle valve, with flow control			AS-20 = Accu-Sync 20 PSI pressure regulator
PGV-100 = 1" Globe valve, no flow control	MB = Male thread x 1" barb		AS-30 = Accu-Sync 30 PSI pressure regulator
PGV-101 = 1" Globe valve, with flow control	MB125 = Male thread x 1¼" barb		AS-40 = Accu-Sync 40 PSI pressure regulator
	MM = Male x male (NPT)		AS-50 = Accu-Sync 50 PSI pressure regulator
			AS-70 = Accu-Sync 70 PSI pressure regulator
EXAMPLES			
PGV-101G - S - DC	1" Globe valve, with flow control, slip x slip, and DC latching solenoid		
PGV-100 - MB - AS	1" Globe valve, no flow control, male thread x 1" barb, and Accu-Sync™ pressure regulator		
PGV-151 - DC - R	1½" Globe/angle valve, with flow control, DC latching solenoid, and reclaimed water ID handle		