

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-Set™ pressure regulator compatible:** Dial setting pressure regulation for precise system control

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-Set™ 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)

PGV Pressure Loss in PSI

GPM	1" Globe	1" Angle	1½" Globe	1½" Angle	2" Globe	2" 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

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-Set™: Finally, a Pressure Regulator That's Easy to Set

With the added option of Accu-Set on a Hunter PGV 1½" or 2" valve, you can reliably adjust and regulate pressure anywhere from 20 to 100 PSI, and be certain the setting you select will never waver. Accu-Set can be field installed to PGV-151 or PGV-201 valve in seconds, without tools. Plus, the best part is the ease of setting the unit—just turn to the pressure you want on the top-adjustable dial. No other pressure regulating device is as simple to use (just one more reason to choose Hunter).



The PCZ101 is a pre-assembled 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.

SPECIFICATION BUILDER

MODEL	FEATURES	OPTIONS FACTORY INSTALLED	OPTIONS USER INSTALLED
PGV	100G = 1" Globe Valve, no Flow Control 101G = 1" Globe Valve, with Flow Control 100A = 1" Angle Valve, no Flow Control 101A = 1" Angle Valve, with Flow Control 100MB = 1" Globe Valve, no Flow Control, Male Thread x 1" Barb 100MB125 = 1" Globe Valve, no Flow Control, Male Thread x 1¼" Barb 101MB = 1" Globe Valve, with Flow Control, Male Thread x Barb 101MB125 = 1" Globe Valve, with Flow Control, Male Thread x 1¼" Barb 100MM = 1" Globe Valve, no Flow Control, Male x Male 101MM = 1" Globe Valve, with Flow Control, Male x Male 151 = 1½" Globe/Angle Valve, with Flow Control 201 = 2" Globe/Angle Valve, with Flow Control	S = Slip x Slip B = BSP Threads DC = DC Latching Solenoid LS = Less Solenoid (or leave blank)	AS = Accu-Set™ Pressure Regulator (1½" and 2" Models Only) R = Reclaimed Water Identification Handle CC = Conduit Cover
▶ PGV	▶ 100G	▶ S (or leave blank)	▶ AS (or leave blank)

EXAMPLE

▶ PGV - 100G - S - AS