Hunter®
The Irrigation Innovators

PGV

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

1" Globe

1" Globe
Male x Male

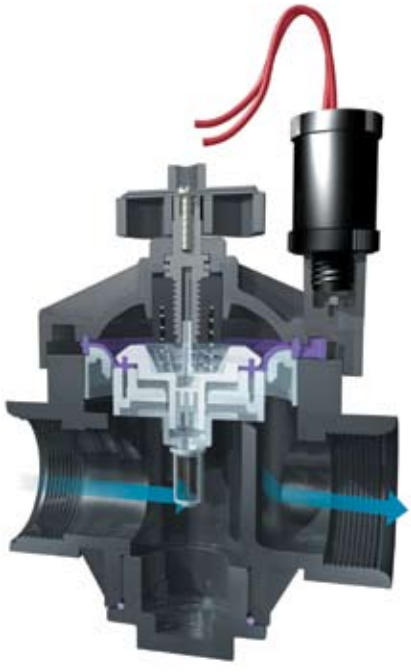
1" Globe
Male x Barb

1½" Globe/Angle

2" Globe/Angle

This hard working, heavy-duty performer offers you the best features of our top-of-the-line valves… more than enough 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, globe, male x male, or male x barb design. In turn, each model is available as 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, 10 Bars rating
Made of durable materials to resist wear

Internal and external manual bleed
Internal bleed keeps valve box dry

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

PGV Jar-Top

1" Globe

1" Globe
Male x Male

Now it's possible to service a Hunter valve without using any tools to gain access to the inner workings of the product. Product maintenance has never been easier! And with this simplicity, you don't give up any quality or performance as these valves boast more than enough features to handle the demands of whatever your site has to offer. All models feature durable, high-grade, corrosive- and UV-resistant PVC construction and a rugged double-beaded, leak-proof diaphragm with support to prevent stress failure. Plus, you'll find a fully-encapsulated solenoid that guarantees reliable operation time after time.

Models

PGV-100G – 1" plastic globe valve

PGV-101G – 1" plastic globe valve with flow control

PGV-100MB – 1" plastic globe valve, no flow control, male thread x barb

PGV-101MB – 1" plastic globe valve, with flow control, male thread x barb

PGV-100MM – 1" plastic globe valve, no flow control, male x male thread

PGV-101MM – 1" plastic globe valve, with flow control, male x male thread

PGV-100JT-G – 1" plastic globe valve, Jar-Top Bonnet, no flow control

PGV-101JT-G – 1" plastic globe valve, Jar-Top Bonnet, with flow control

PGV-100JT-S – 1" plastic globe valve, Jar-Top Bonnet, no flow control, female slip

PGV-101JT-S – 1" plastic globe valve, Jar-Top Bonnet, with flow control, female slip

PGV-100JT-MM – 1" plastic globe valve, Jar-Top Bonnet, no flow control, male x male thread

PGV-101JT-MM – 1" plastic globe valve, Jar-Top Bonnet, with flow control, male x male thread

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: 13 cm H x 11 cm L x 6 cm W
- 1" Male x Barb: 13 cm H x 14 cm L x 6 cm W
- 1" Globe Jar-Top: 13 cm H x 11 cm L x 6 cm W
- 1" Globe Jar-Top , Male x Male: 13 cm H x 14 cm L x 6 cm W
- 1½" Globe/Angle: 19 cm H x 15 cm L x 11 cm W
- 2" Globe/Angle:20 cm H x 17 cm L x 13 cm W

Operating Specifications

- Flow: 0.04 to 27.2 m^3/hr; 0.7 to 454 l/min
- Pressure: 1.4 to 10.3 bars; 138 to 1034 kPa
- Heavy-duty solenoid: 24VAC (475mA inrush current, 230mA holding current, 50 cycles) (370mA inrush current, 190mA holding current, 60 cycles)

Options Available

- Accu-Set™ pressure regulator
- Reclaimed water identification handle for PGV-101 models (part # 269205) and for PGV-151/201 models (part # 412705)
- DC latching solenoid (part # 458200), some models available less solenoid for DC solenoid applications
- Solenoid conduit cover (part # 464322)

Captive Bonnet Screws, Diaphragm, and Solenoid Plunger Mean 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 pressures anywhere from 1.4 to 7 bar, 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 easy-reading dial. No other pressure regulating device is as simple to use (just one more reason to choose Hunter).

PROVEN WATER SAVER

PGV Pressure Loss in Bars

m^3/hr	1" Globe	1½" Globe	1½" Angle	2" Globe	2" Angle
0.23	0.08				
1.14	0.13				
2.27	0.13				
3.41	0.11				
4.54	0.23	0.21	0.21	0.07	0.07
6.81	0.42	0.21	0.21	0.07	0.14
9.08		0.21	0.21	0.14	0.14
11.36		0.28	0.24	0.07	0.07
13.63		0.34	0.28	0.14	0.14
18.17		0.38	0.31	0.21	0.14
22.71		0.63	0.56	0.34	0.21
27.25		0.81	0.74	0.41	0.34
30.66				0.56	0.49
34.10				0.70	0.63

Charts based on full-open flow control position.

PGV Pressure Loss in kPa

l/min	1" Globe	1½" Globe	1½" Angle	2" Globe	2" Angle
3.8	7.58				
18.9	13.10				
37.9	13.10				
56.8	11.03				
75.7	22.75	20.70	20.70	6.90	6.90
113.5	42.06	20.70	20.70	6.90	13.80
151.4		20.70	20.70	13.80	13.80
189.3		27.60	24.10	6.90	6.90
227.1		34.50	27.60	13.80	13.80
302.8		37.90	31.00	20.70	13.80
378.5		63.00	56.00	34.50	20.70
454.2		80.50	74.00	41.40	34.50
662.4				56.00	49.00
757.0				70.70	63.00

Charts based on full-open flow control position.

SPECIFICATION GUIDE

EXAMPLE: **PGV - 100G - B - AS**

MODEL	FEATURES	OPTIONS FACTORY INSTALLED	OPTIONS USER INSTALLED
PGV	**100G** = 1" Globe Valve, no Flow Control **101G** = 1" Globe Valve, with Flow Control **100MB** = 1" Globe Valve, no Flow Control, Male Thread x Barb **101MB** = 1" Globe Valve, with Flow Control, Male Thread x 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 (1" Models Only) **B** = BSP Threads **DC** = DC Latching Solenoid	**AS** = Accu-Set™ Pressure Regulator (1½" and 2" Models Only) **R** = Reclaimed Water Identification Handle or Tag **CC** = Conduit Cover
	100JT = 1" Globe Valve, Jar-Top Bonnet, no Flow Control **101JT** = 1" Globe Valve, Jar-Top Bonnet, with Flow Control	**MM** = Male x Male Thread	

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