

Hunter®

PGV Commercial Valves



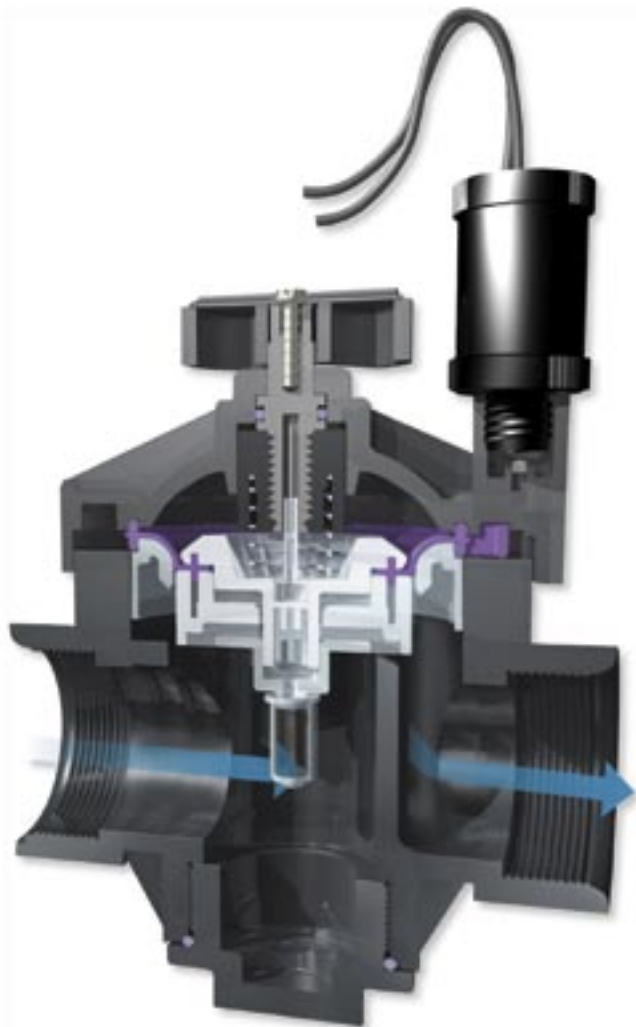
PGV

**Professional-Grade Valves
Designed to
Handle all
Landscape
Needs**

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 five 1" body configurations, in either female x female or male x male (in both conventional bonnet

style or "jar-top") and 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, 1,034 kPa (150 PSI) rating

Made of durable materials to resist wear

Internal manual bleed

Easy to use and 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



Models

- PGV-100JT – 1" plastic globe valve, Jar-Top Bonnet, no flow control
- PGV-101JT – 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-100G – 1" plastic globe valve, no flow control
- 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-151 – 1½" plastic globe/angle valve with flow control
- PGV-201 – 2" plastic globe/angle valve with flow control

Dimensions

- 1" globe: 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
- 1½" globe/angle: 19.1 cm H x 14.6 cm L x 10.8 cm W
- 2" globe/angle: 20.3 cm H x 17.1 cm L x 13.3 cm W

Operating Specifications

- Flow: 0.04 to 27.2 m³/hr; 0.7 to 454 l/min, (0.2 to 120 GPM)
- Pressure: 1.4 to 10.3 bars; 138 to 1034 kPa (20 to 150 PSI)
- Heavy-duty standard solenoid: 24VAC at 50 cycles, 475mA (11.4VA) inrush current, 230mA (5.5VA) holding current at 60 cycles, 370mA (8.9VA) inrush current, 190mA (4.5VA) holding current

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 1½" (40mm) and 2" (50mm) valve created exclusively for your needs. The PGV angle configuration actually boasts a flow characteristic that provides less friction loss than in a traditional globe version layout. Thus, the PGV angle can be an ideal choice for irrigation systems that have to operate off of low water pressure.



PGV Pressure Loss in Bars

m³/hr	1" Globe	1½" Globe	1½" Angle	2" Globe	2" Angle
0.23	0.08	<.05	<.05	<.05	<.05
1.14	0.13	<.05	<.05	<.05	<.05
2.27	0.13	<.05	<.05	<.05	<.05
3.41	0.11	<.05	<.05	<.05	<.05
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

PGV Pressure Loss in kPa

l/min	1" Globe	1½" Globe	1½" Angle	2" Globe	2" Angle
3.8	7.58	<5.0	<5.0	<5.0	<5.0
18.9	13.10	<5.0	<5.0	<5.0	<5.0
37.9	13.10	<5.0	<5.0	<5.0	<5.0
56.8	11.03	<5.0	<5.0	<5.0	<5.0
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 PGV	FEATURES	OPTIONS FACTORY INSTALLED	OPTIONS USER INSTALLED
	100G = 1" Globe Valve, no Flow Control	S = Slip x Slip (1" Models Only)	AS = Accu-Set™ Pressure Regulator (1" and 2" Models Only)
	101G = 1" Globe Valve, with Flow Control	B = BSP Threads	R = Reclaimed Water Identification Handle or Tag
	100MB = 1" Globe Valve, no Flow Control, Male Thread x Barb	DC = DC Latching Solenoid	CC = Conduit Cover
	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		
	100JT = 1" Globe Valve, Jar-Top Bonnet, no Flow Control		
	101JT = 1" Globe Valve, Jar-Top Bonnet, with Flow Control		
	100JT-MM = 1" Globe Valve, Jar-Top Bonnet, no Flow Control		
	101JT-MM = 1" Globe Valve, Jar-Top Bonnet, with Flow Control, Male x Male Thread		
	151 = 1" Globe/Angle Valve, with Flow Control		
	201 = 2" Globe/Angle Valve, with Flow Control		

