

# 1" PGV & PGV JAR TOP

Size: **1"**  
Flow: **0.2 to 40 GPM**

## FEATURES

- External and internal manual bleed allows quick and easy “at the valve” activation
- Double-beaded diaphragm seal design assures leak-free performance
- Durable glass-filled nylon threaded bonnet ring allows easy access without tools (Jar Top)
- Optional: DC latching solenoids enable Hunter’s battery-powered controllers
- Captive bonnet bolts provide hassle-free valve maintenance
- Low flow capability allows use of Hunter’s micro irrigation products
- Encapsulated 24 VAC solenoid with captive plunger for hassle-free service
- Temperature rating: 150° F
- Warranty period: 2 years
- ▶ Flow control
- ▶ Accu-Sync® pressure regulation
- ▶ Optional reclaimed water ID handle

## OPERATING SPECIFICATIONS

- Flow:
  - PGV-100: 0.2 to 40 GPM
  - PGV-101: 0.2 to 40 GPM
- Recommended pressure range: 20 to 150 PSI

## SOLENOID SPECIFICATIONS

- 24 VAC solenoid
  - 350 mA inrush, 190 mA holding, 60 Hz
  - 370 mA inrush, 210 mA holding, 50 Hz

## FACTORY INSTALLED OPTIONS

- Valve without solenoid
- DC latching solenoid

## USER INSTALLED OPTIONS

- Solenoid conduit cover (P/N 464322)
- DC latching solenoid (P/N 458200)
- Accu-Sync pressure regulator\*
- Reclaimed water ID handle for PGV-101 models (P/N 269205)

▶ = *Advanced Feature descriptions on page 71*

\* Accu-Sync product information on page 79



**PGV-100G**  
Inlet Diameter: 1"  
Height: 5"  
Length: 4½"  
Width: 2½"



**PGV-101G**  
Inlet Diameter: 1"  
Height: 5"  
Length: 4½"  
Width: 2½"



**PGV-100JTG**  
Inlet Diameter: 1"  
Height: 5½"  
Length: 4½"  
Width: 3¼"



**PGV-101JTG**  
Inlet Diameter: 1"  
Height: 5½"  
Length: 4½"  
Width: 3¼"

PGV Jar Top



**PGV 1" - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4**

1 Model	2 Inlet/Outlet	3 Options (Factory Installed)	4 Options (User Installed)
<b>PGV-100G</b> = 1" Globe valve, without flow control <b>PGV-101G</b> = 1" Globe valve, with flow control <b>PGV-100A</b> = 1" Angle valve, without flow control <b>PGV-101A</b> = 1" Angle valve, with flow control	<b>(blank)</b> = NPT threads  <b>S</b> = Slip x Slip <i>(only available in 100G and 101G models)</i>	<b>(blank)</b> = No Option  <b>DC</b> = DC latching solenoid  <b>LS</b> = Valve without solenoid	<b>(blank)</b> = No option  <b>R</b> = Reclaimed water ID handle <i>(Except for PGV-100)</i>  <b>CC</b> = Solenoid conduit cover  <b>DC</b> = DC latching solenoid  <b>AS-ADJ</b> = Accu-Sync® adjustable pressure regulator  <b>AS-xx*</b> = Accu-Sync pressure regulator 20 * = 20 PSI, 30 * = 30 PSI, 40 * = 40 PSI 50 * = 50 PSI, 70 * = 70 PSI
<b>PGV-100</b> = 1" Globe valve, without flow control <b>PGV-101</b> = 1" Globe valve, with flow control	<b>MM</b> = Male x male (NPT)  <b>MB</b> = Male NPT x 1" Barb  <b>MB125</b> = Male NPT x 1¼" Barb		

**Example:**  
 PGV-101G - S - DC = 1" Globe valve, with flow control, slip x slip, and DC latching solenoid

**PGV JAR TOP - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4**

1 Model	2 Inlet/Outlet	3 Options (Factory Installed)	4 Options (User Installed)
<b>PGV-100JT</b> = 1" Globe jar top valve, without flow control  <b>PGV-101JT</b> = 1" Globe jar top valve, with flow control	<b>G</b> = Female NPT <b>GS</b> = Slip x Slip  <b>MM</b> = Male x male (NPT) <b>MB</b> = Male NPT x 1" Barb <b>MB075</b> = Male NPT x ¾" Barb <b>MB125</b> = Male NPT x 1¼" Barb	<b>(blank)</b> = No option  <b>LS</b> = Valve without solenoid  <b>DC</b> = DC latching solenoid	<b>(blank)</b> = No option  <b>R</b> = Reclaimed water ID handle <i>(Except for PGV-100JT)</i>  <b>CC</b> = Solenoid conduit cover <b>DC</b> = DC latching solenoid <b>AS-ADJ</b> = Accu-Sync adjustable pressure regulator  <b>AS-xx*</b> = Accu-Sync pressure regulator 20 * = 20 PSI, 30 * = 30 PSI, 40 * = 40 PSI, 50 * = 50 PSI 70 * = 70 PSI

**Examples:**  
 PGV-101JT - G = 1" Globe jar top valve, with flow control, and 1" female  
 PGV-101JT - GS - R = 1" Globe jar top valve, with flow control, slip x slip, and reclaimed water ID handle  
 PGV-101JT - G - R = 1" Globe jar top valve, with flow control, 1" female, and reclaimed water ID handle  
 PGV-100JT - MB075 - DC = 1" Globe jar top valve, without flow control, with 1" male x ¾" barb, and DC latching solenoid

PGV PRESSURE LOSS IN PSI	
Flow GPM	1" Globe
1	1.1
5	1.6
10	1.9
15	2.3
20	3.3
30	9.0
35	16
40	20

PGV-100-G Installed



VALVES