

# 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

## 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\*

▶ = *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-100JT-G**  
Inlet Diameter: 1"  
Height: 5½"  
Length: 4½"  
Width: 3¼"



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

### PGV Jar Top



VALVES

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

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

**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)
<p><b>PGV-100JT</b> = 1" Globe jar top valve, without flow control</p> <p><b>PGV-101JT</b> = 1" Globe jar top valve, with flow control</p>	<p><b>G</b> = Female NPT</p> <p><b>GS</b> = Slip x Slip</p> <p><b>MM</b> = Male x male (NPT)</p> <p><b>MB</b> = Male NPT x 1" Barb</p> <p><b>MB075</b> = Male NPT x ¾" Barb</p> <p><b>MB125</b> = Male NPT x 1¼" Barb</p>	<p><b>(blank)</b> = No option</p> <p><b>LS</b> = Valve without solenoid</p> <p><b>DC</b> = DC latching solenoid</p>	<p><b>(blank)</b> = No option</p> <p><b>CC</b> = Solenoid conduit cover</p> <p><b>DC</b> = DC latching solenoid</p> <p><b>AS-ADJ</b> = Accu Sync adjustable pressure regulator</p> <p><b>AS-xx*</b> = Accu Sync pressure regulator  <b>20*</b> = 20 PSI, <b>30*</b> = 30 PSI, <b>40*</b> = 40 PSI, <b>50*</b> = 50 PSI  <b>70*</b> = 70 PSI</p>

**Examples:**  
 PGV-101JT-G = 1" Globe jar top valve, with flow control, and 1" female  
 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-100G Installed



VALVES