

1" PGV & PGV JAR TOP

Inlet: 1" (25 mm)
Flow: 0.05 to 9 m³/hr; 0.7 to 150 l/min

FEATURES

- Size: 1" (25 mm)
- External and internal manual bleed allows quick and easy "at the valve" activation
- Double-beaded diaphragm seal design for superior 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: 66° C
- Warranty period: 2 years
- ▶ Flow control
- ▶ Accu-Sync® pressure regulation
- ▶ Optional reclaimed water ID

OPERATING SPECIFICATIONS

- Flow: 0.05 to 9 m³/hr; 0.7 to 150 l/min
- Recommended pressure range: 1.5 to 10 bar; 150 to 1,000 kPa

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 82*

* Accu-Sync product information on page 94



PGV-100G
Inlet Diameter: 1" (25 mm)
Height: 13 cm
Length: 11 cm
Width: 6 cm



PGV-101G
Inlet Diameter: 1" (25 mm)
Height: 13 cm
Length: 11 cm
Width: 6 cm



PGV-100JT - G
Inlet Diameter: 1" (25 mm)
Height: 14 cm
Length: 11 cm
Width: 8 cm



PGV-101JT - G
Inlet Diameter: 1" (25 mm)
Height: 14 cm
Length: 11 cm
Width: 8 cm

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)
PGV-100G = 1" (25 mm) Globe valve, without flow control PGV-101G = 1" (25 mm) Globe valve, with flow control PGV-100A = 1" (25 mm) Angle valve, without flow control PGV-101A = 1" (25 mm) Angle valve, with flow control	(blank) = NPT threads B = BSP threads	(blank) = No Option DC = DC latching solenoid LS = Valve without solenoid	(blank) = No option R = Reclaimed water ID handle (Except for PGV-100) CC = Solenoid conduit cover DC = DC latching solenoid AS-ADJ = Accu-Sync® adjustable pressure regulator AS-xx* = Accu-Sync pressure regulator 20 * = 1.4 bar, 30 * = 2.1 bar, 40 * = 2.8 bar 50 * = 3.5 bar, 70 * = 4.8 bar
PGV-100 = 1" (25 mm) Globe valve, without flow control PGV-101 = 1" (25 mm) Globe valve, with flow control	MM = Male x male (NPT) MMB = Male x male (BSP)		

Example:
 PGV-101G - B - DC = 1" (25 mm) Globe valve, with flow control, BSP threads, 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)
PGV-100JT = 1" (25 mm) Globe jar top valve, without flow control PGV-101JT = 1" (25 mm) Globe jar top valve, with flow control	GB = BSP threads MM = Male x male (NPT) MMB = Male x male (BSP)	(blank) = No option LS = Less solenoid DC = DC latching solenoid	(blank) = No option R = Reclaimed water ID handle (Except for PGV-100JT) CC = Solenoid conduit cover DC = DC latching solenoid AS-ADJ = Accu-Sync adjustable pressure regulator AS-xx* = Accu-Sync pressure regulator 20 * = 1.4 bar, 30 * = 2.1 bar, 40 * = 2.8 bar 50 * = 3.5 bar, 70 * = 4.8 bar

Examples:
 PGV-100JT - GB = 1" (25 mm) Globe jar top valve, without flow control, and BSP threads
 PGV-100JT - MMB = 1" (25 mm) Globe jar top valve, without flow control, and male BSP threads

PGV PRESSURE LOSS IN BAR	
Flow m ³ /hr	1"
0.3	0.1
1.0	0.1
2.5	0.1
3.5	0.1
4.5	0.2
5.5	0.3
6.5	0.4
8.0	0.8
9.0	1.0

PGV PRESSURE LOSS IN kPa	
Flow l/min	1"
4	8.2
20	9.7
40	13
55	11
75	22
95	31
115	62
135	112
150	139

PGV-100-G Installed



PGV

Inlet: **1½" (40 mm), 2" (50 mm)**
 Flow: **5 to 34 m³/hr; 75 to 570 l/min**

FEATURES

- Sizes: 1½" (40 mm), 2" (50 mm)
- External and internal manual bleed allows quick and easy "at the valve" activation
- Double-beaded diaphragm seal design assures leak-free performance
- Optional: DC latching solenoids enable Hunter's battery-powered controllers
- Captive bonnet bolts provide hassle-free valve maintenance
- Encapsulated 24 VAC solenoid with captive plunger for hassle-free service
- Temperature rating: 66° C
- Warranty period: 2 years
- ▶ Flow control
- ▶ Accu-Sync® pressure regulation
- ▶ Optional reclaimed water ID handle



PGV-151

Inlet Diameter: 1½" (40 mm)
 Height: 19 cm
 Length: 15 cm
 Width: 11 cm

PGV-201

Inlet Diameter: 2" (50 mm)
 Height: 20 cm
 Length: 17 cm
 Width: 13 cm

OPERATING SPECIFICATIONS

- Flow:
 - PGV-151: 5 to 27 m³/hr; 75 to 450 l/min
 - PGV-201: 5 to 34 m³/hr; 75 to 570 l/min
- Recommended pressure range: 1.5 to 10 bar; 150 to 1000 kPa

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 (P/N 607105)

▶ = *Advanced Feature descriptions on page 82*

PGV Installed



PGV 1.5" & 2" - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Inlet/Outlet	3 Options (Factory Installed)	4 Options (User Installed)
<p>PGV-151 = 1½" (40 mm) Globe/angle valve, with flow control PGV-201 = 2" (50 mm) Globe/angle valve, with flow control</p>	<p>(blank) = NPT threads B = BSP threads</p>	<p>(blank) = No Option DC = DC latching solenoid LS = Valve w/o solenoid</p>	<p>(blank) = No option R = Reclaimed water ID handle CC = Solenoid conduit cover DC = DC latching solenoid AS-ADJ = Accu-Sync® adjustable pressure regulator AS-xx* = Accu-Sync pressure regulator 20* = 1.4 bar, 30* = 2.1 bar 40* = 2.8 bar, 50* = 3.5 bar 70* = 4.8 bar</p>

Examples:

PGV-151 - B - AS-ADJ = 1½" (40 mm) Globe valve, with flow control, BSP threads, and Accu-Sync adjustable pressure regulator

Flow m³/hr	1" Globe	1" Angle	1½" Globe	1½" Angle	2" Globe	2" Angle
0.3	0.1	0.1				
1.0	0.1	0.1				
2.5	0.1	0.1				
3.5	0.2	0.1				
4.5	0.2	0.1	0.2	0.2	0.1	0.1
7.0	0.4	0.2	0.2	0.2	0.1	0.1
8.0			0.2	0.2	0.1	0.1
9.0			0.2	0.2	0.1	0.1
11.0			0.3	0.2	0.1	0.1
13.5			0.3	0.3	0.1	0.1
18.0			0.4	0.4	0.2	0.1
22.5			0.6	0.5	0.3	0.2
27.0			0.8	0.8	0.4	0.3
30.5					0.6	0.5
34.0					0.7	0.6

Flow l/min	1" Globe	1" Angle	1½" Globe	1½" Angle	2" Globe	2" Angle
4	8	7				
20	9.5	7				
40	13	7				
55	11	7				
75	22	14	20	22	4	9
95	31	16	20	21	5.5	9
115	43	21	21	21	7.5	9.5
135			22	21	9	10
150			25	23	12	11
200			27	24	14	12
325			47	41	26	19
400			65	59	33	24
500			96	92	43	32
625					56	45
775					74	64