

PGV

APPLICATION

Residential/Light Commercial

SIZE

25 mm, 40 mm, 50 mm
(1", 1½", 2" BSP)

FLOW RATE

0.05 to 34 m³/hr
0.7 to 570 l/min

THESE PROFESSIONAL GRADE VALVES ARE READY FOR ALL SYSTEM SIZES.

FEATURES

- Application (PGV100): Residential
- Application (PGV101, 151, 201): Residential/light commercial
- Sizes: 25 mm, 40 mm, 50 mm (1" BSP, 1½" BSP, 2" BSP)
- External and internal manual bleed allows quick and easy "at the valve" activation
- Double-beaded diaphragm seal design for superior leak-free performance
- Captive bonnet bolts provide

ADVANCED FEATURES

- Flow control (PGV-101, 151, and 201 only)
- Accu-Sync capable
- Reclaimed water ID handle (PGV-101, 151, and 201 only)
- = Detailed descriptions on pages 54 and 55

OPERATING SPECIFICATIONS (PGV-100, 101)

Flow rate: 0.05 to 7 m³/hr; 0.7 to 115 l/min
Recommended pressure range: 1.5 to 10 bar;
150 to 1000 kPa

OPERATING SPECIFICATIONS (PGV-151, 201)

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

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 for PGV-101 models
(P/N 269205) and PGV-151/201 models (P/N 607105)

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
- DC latching solenoids enable Hunter's battery-powered controllers

PGV Pressure Loss in kPa

l/min	25 mm Globe	25 mm Angle	40 mm Globe	40 mm Angle	50 mm Globe	50 mm Angle
4	8.2	6.8				
20	9.7	6.8				
40	13	6.8				
55	11	6.8				
75	22	14	20	22	4.0	8.8
95	31	16	20	21	5.7	9.2
115	43	21	21	21	7.3	9.6
135			22	21	9.0	10
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

PGV Pressure Loss in Bar

m ³ /hr	25 mm Globe	25 mm Angle	40 mm Globe	40 mm Angle	50 mm Globe	50 mm Angle
0.25	0.10	0.07				
1	0.10	0.07				
2.50	0.12	0.08				
3.50	0.16	0.09				
4.50	0.22	0.12	0.21	0.22	0.08	0.08
7	0.44	0.22	0.22	0.21	0.08	0.08
9			0.24	0.21	0.09	0.09
11			0.26	0.23	0.11	0.09
13.50			0.31	0.26	0.14	0.10
18			0.44	0.37	0.21	0.14
22.50			0.62	0.53	0.31	0.22
27			0.84	0.75	0.44	0.33
30.50					0.56	0.45
34					0.70	0.59



VALVES

SPECIFICATIONBUILDER

www.hunterindustries.com/PGV

MODELS	INLET/OUTLET	OPTIONS FACTORY INSTALLED	OPTIONS USER INSTALLED
PGV-100G = 25 mm (1" BSP) Globe valve, no flow control	(blank) = Female NPT	(blank) = No option	(blank) = No option
PGV-101G = 25 mm (1" BSP) Globe valve, with flow control	S = Slip x slip (excludes PGV-151 and PGV-201)	DC = DC latching solenoid	R = Reclaimed water ID handle (except PGV-100G)
PGV-100A = 25 mm (1" BSP) Angle valve, no flow control	B = BSP threads	LS = Valve without solenoid	CC = Solenoid conduit cover
PGV-101A = 25 mm (1" BSP) Angle valve, with flow control			DC = DC latching solenoid
PGV-151 = 40 mm (1½" BSP) Globe/angle valve, with flow control			AS-ADJ = Accu-Sync adjustable pressure regulator
PGV-201 = 50 mm (2" BSP) Globe/angle valve, with flow control			AS-20 = Accu-Sync 20: 1.4 bar pressure regulator
PGV-100 = 25 mm (1" BSP) Globe valve, no flow control	MB = Male thread x 25 mm barb		AS-30 = Accu-Sync 30: 2.1 bar pressure regulator
PGV-101 = 25 mm (1" BSP) Globe valve, with flow control	MM = Male x Male (NPT)		AS-40 = Accu-Sync 40: 2.8 bar pressure regulator
			AS-50 = Accu-Sync 50: 3.5 bar pressure regulator
			AS-70 = Accu-Sync 70: 4.8 bar pressure regulator

EXAMPLES

PGV-101G - B - DC	25 mm (1" BSP) Globe valve, with flow control, BSP threads, and DC latching solenoid
PGV-151 - B - AS	40 mm (1½" BSP) Globe/angle valve, BSP threads, and an Accu-Sync pressure regulator
PGV-201 - B	50 mm (2" BSP) Globe/angle valve, with flow control, and BSP threads

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