



- 01 **Hardworking:** Built to last in the elements and work flawlessly for years
- 02 **Versatile:** The PGV is available in an array of configurations to fit virtually any system
- 03 **Practical:** Low-flow capabilities allow use of Hunter micro-irrigation products

## PGV VALVE

### *Professional-Grade Valves Ready for All System Sizes*

This hardworking, heavy-duty valve offers the best features of Hunter's top-of-the-line valves. Built with enough durability to handle the rigors of residential and light commercial sites, the PGV is available in an array of configurations. For smaller landscape applications, the PGV is available in three 25 mm body configurations: angle, globe, or male x male design. In turn, each model is available in either a flow control or non-flow control version. For larger landscape applications, the PGV comes in both 40 mm and 50 mm globe/angle models (with flow control). All models feature durable high-grade construction and a rugged diaphragm with support to prevent stress failure.

#### PGV Jar-Top

All it takes is a simple twist of the wrist to unscrew the top of the valve, making PGV Jar-Top the industry's fastest valve service.



#### Accu-Sync®

Accu-Sync is a simple pressure regulator that is compatible with all of Hunter's control valves.



# PGV VALVE FEATURES & SPECIFICATIONS

## Features

- Application (PGV-100): Residential
- Application (PGV-101, 151, 201): Residential/light commercial
- Sizes: 1" (25 mm); 1½" (40 mm); 2" (50 mm)
- External and internal manual bleed allows quick and easy "at the valve" activation
- Double-beaded diaphragm seal design for superior leak-free performance
- 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: 151 F (66° C)
- Warranty period: 2 years

## Operating Specifications

- Flow rate:
  - PGV-100: 0.2 to 40 GPM (PGV-100: 0.05 to 9 m³/hr, 0.7 to 150 l/min)
  - PGV-101: 0.2 to 40 GPM (PGV-101: 0.05 to 9 m³/hr, 0.7 to 150 l/min)
  - PGV-151: 20 to 120 GPM (PGV-151: 5 to 27 m³/hr, 75 to 450 l/min)
  - PGV-201: 20 to 150 GPM (PGV-201: 5 to 34 m³/hr, 75 to 570 l/min)
- Recommended pressure range: 20 to 150 PSI (1.5 to 10 bar; 150 to 1000kPa)

## Solenoid Specifications

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

## PGV VALVES

| Model        | Description                                                                           |
|--------------|---------------------------------------------------------------------------------------|
| PGV-100G     | 1" (25 mm) plastic globe valve                                                        |
| PGV-101G     | 1" (25 mm) plastic globe valve with flow control                                      |
| PGV-100MM    | 1" (25 mm) plastic globe valve, no flow control, male thread x barb                   |
| PGV-101MM    | 1" (25 mm) plastic globe valve, with flow control, male thread x barb                 |
| PGV-100JT-G  | 1" (25 mm) plastic globe valve, Jar-Top Bonnet, no flow control                       |
| PGV-101JT-G  | 1" (25 mm) plastic globe valve, Jar-Top Bonnet, with flow control                     |
| PGV-100JT-S  | 1" (25 mm) plastic globe valve, Jar-Top Bonnet, no flow control, female slip          |
| PGV-101JT-S  | 1" (25 mm) plastic globe valve, Jar-Top Bonnet, with flow control, female slip        |
| PGV-100JT-MM | 1" (25 mm) plastic globe valve, Jar-Top Bonnet, no flow control, male x male thread   |
| PGV-101JT-MM | 1" (25 mm) plastic globe valve, Jar-Top Bonnet, with flow control, male x male thread |
| PGV-151      | 1½" (40 mm) plastic angle/globe valve with flow                                       |
| PGV-201      | 2" (50 mm) plastic angle/globe valve with flow                                        |

## PGV PRESSURE LOSS IN BAR

| Flow m³/hr | 1" (25 mm) Globe | 1½" (40 mm) Globe | 1½" (40 mm) Angle | 2" (50 mm) Globe | 2" (50 mm) Angle |
|------------|------------------|-------------------|-------------------|------------------|------------------|
| 0.3        | 0.1              |                   |                   |                  |                  |
| 1.0        | 0.1              |                   |                   |                  |                  |
| 2.5        | 0.1              |                   |                   |                  |                  |
| 3.5        | 0.2              |                   |                   |                  |                  |
| 4.5        | 0.2              | 0.2               | 0.2               | 0.1              | 0.1              |
| 7.0        | 0.4              | 0.2               | 0.2               | 0.1              | 0.1              |
| 8.0        | 1.0              | 0.2               | 0.2               | 0.1              | 0.1              |
| 9.0        | 1.0              | 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              |



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Helping our customers succeed is what drives us. While our passion for innovation and engineering is built into everything we do, it is our commitment to exceptional support that we hope will keep you in the Hunter family of customers for years to come.