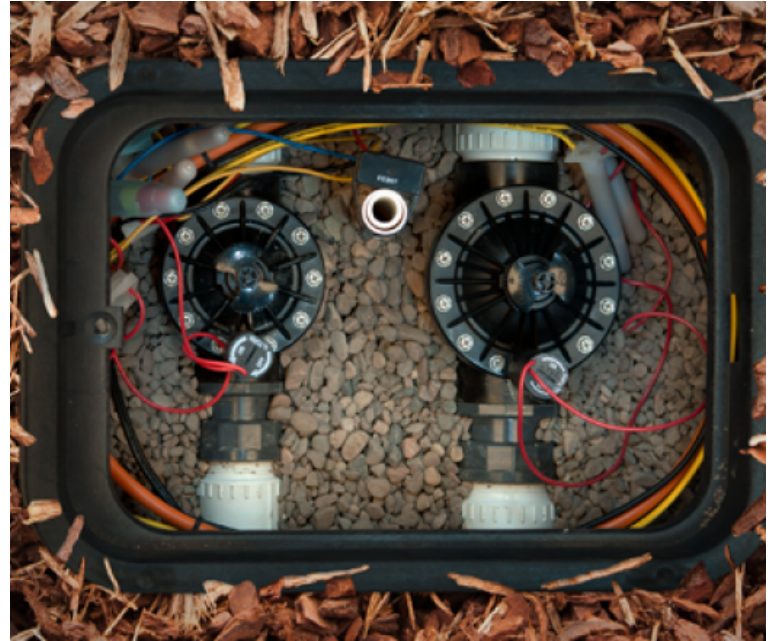


## 1½" and 2" PGV

These reliable valves provide long-lasting performance for larger systems

### KEY BENEFITS

- External/internal manual bleed allows for quick and easy activation at the valve
- Double-beaded diaphragm seal design ensures leak-free performance
- Captive bonnet screws eliminate the possibility of lost parts during disassembly
- Flow control maximises efficiency and prolongs the life of the system
- Triple-tool bonnet screws are compatible with standard or Phillips screwdrivers as well as a nut driver
- Each valve available with globe or angle configuration for convenient placement
- Encapsulated solenoid with captive plunger used on every Hunter valve provides hassle-free service



### User-Installed Options

- Accu Sync™ pressure regulation at the valve\*
- DC-latching solenoid for battery-powered controllers (P/N 458200)
- Solenoid conduit cover (P/N 464322)
- Reclaimed flow control handle (P/N 607105)

### Factory-Installed Options

- LS: Valve without solenoid
- DC: DC-latching solenoid for battery-powered controllers

### 1" (25 mm) PGV Operating Specifications

- Flow: 0.05 to 9 m<sup>3</sup> /hr; 0.7 to 150 l/min
- Recommended pressure range: 1.5 to 10 bar; 150 to 1,000 kPa
- Temperature rating: 66°C
- Warranty period: 2 years
- View more details for [1" PGV >](#)

### 1½" (40 mm) And 2" (50 mm) PGV Operating Specifications

- Flow:
  - PGV-151: 5 to 27 m<sup>3</sup> /hr; 75 to 450 l/min
  - PGV-201: 5 to 34 m<sup>3</sup> /hr; 75 to 570 l/min
- Recommended pressure range: 1.5 to 10 bar; 150 to 1000 kPa
- Temperature rating: 66°C
- Warranty period: 2 years

### 1" (25 mm) PGV Pressure Loss

| 1" (25 mm) PGV Pressure Loss in Bar |                      |
|-------------------------------------|----------------------|
| Flow<br>m <sup>3</sup> /hr          | Pressure Loss<br>bar |
| 0.3                                 | 0.08                 |
| 1.0                                 | 0.11                 |
| 2.5                                 | 0.13                 |
| 3.5                                 | 0.16                 |
| 4.5                                 | 0.23                 |
| 5.5                                 | 0.43                 |
| 6.5                                 | 0.62                 |
| 8.0                                 | 1.10                 |
| 9.0                                 | 1.48                 |

| 1" (25 mm) PGV Pressure Loss in KPa |                      |
|-------------------------------------|----------------------|
| Flow<br>l/min                       | Pressure Loss<br>kPa |
| 4                                   | 8                    |
| 20                                  | 11                   |
| 40                                  | 13                   |
| 55                                  | 16                   |
| 75                                  | 23                   |
| 95                                  | 43                   |
| 115                                 | 62                   |
| 135                                 | 110                  |
| 150                                 | 148                  |

1½" (40 mm) and 2" (50 mm) PGV Pressure Loss

| PGV Pressure Loss in Bar   |                      |                      |                     |                     |
|----------------------------|----------------------|----------------------|---------------------|---------------------|
| Flow<br>m <sup>3</sup> /hr | 1½" (40 mm)<br>Globe | 1½" (40 mm)<br>Angle | 2" (50 mm)<br>Globe | 2" (50 mm)<br>Angle |
| 4.5                        | 0.2                  | 0.2                  | 0.1                 | 0.1                 |
| 5.5                        | 0.2                  | 0.2                  | 0.1                 | 0.1                 |
| 6.5                        | 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                 |

| PGV Pressure Loss in kPa |                      |                      |                     |                     |
|--------------------------|----------------------|----------------------|---------------------|---------------------|
| Flow<br>l/min            | 1½" (40 mm)<br>Globe | 1½" (40 mm)<br>Angle | 2" (50 mm)<br>Globe | 2" (50 mm)<br>Angle |
| 75                       | 20                   | 22                   | 4                   | 9                   |
| 95                       | 20                   | 21                   | 5.5                 | 9                   |
| 115                      | 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                  |

Solenoid Specifications

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

| 1" (25 MM) PGV VALVE       |                      |
|----------------------------|----------------------|
| Flow<br>m <sup>3</sup> /hr | Pressure Loss<br>bar |
| 0.3                        | 0.08                 |
| 1.0                        | 0.11                 |
| 2.5                        | 0.13                 |
| 3.5                        | 0.16                 |
| 4.5                        | 0.23                 |
| 5.5                        | 0.43                 |
| 6.5                        | 0.62                 |
| 8.0                        | 1.10                 |
| 9.0                        | 1.48                 |

1" (25 MM) PGV VALVE

| Flow<br>l/min | Pressure Loss<br>kPa |
|---------------|----------------------|
| 4             | 8                    |
| 20            | 11                   |
| 40            | 13                   |
| 55            | 16                   |
| 75            | 23                   |
| 95            | 43                   |
| 115           | 62                   |
| 135           | 110                  |
| 150           | 148                  |

PGV PRESSURE LOSS IN BAR

| Flow<br>m <sup>3</sup> /hr | 1½" (40 mm) | 1½" (40 mm) | 2" (50 mm) | 2" (50 mm) |
|----------------------------|-------------|-------------|------------|------------|
|                            | Globe       | Angle       | Globe      | Angle      |
| 4.5                        | 0.2         | 0.2         | 0.1        | 0.1        |
| 5.5                        | 0.2         | 0.2         | 0.1        | 0.1        |
| 6.5                        | 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        |

PGV PRESSURE LOSS IN KPA

| Flow<br>l/min | 1½" (40 mm)<br>Globe | 1½" (40 mm)<br>Angle | 2" (50 mm)<br>Globe | 2" (50 mm)<br>Angle |
|---------------|----------------------|----------------------|---------------------|---------------------|
| 75            | 20                   | 22                   | 4                   | 9                   |
| 95            | 20                   | 21                   | 5.5                 | 9                   |
| 115           | 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                  |

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<https://api.hunterirrigation.com/en-metric/irrigation-product/valves/1-12-and-2-pgv>  
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