

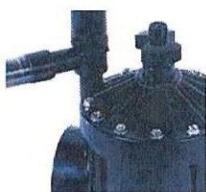
# VALVES



## VALVE COMPARISON CHART

QUICK SPECS		1" PGV & JAR-TOP	PGV	ICV	ICV FILTER SENTRY	IBV
SIZE		1"	1½", 2"	1", 1½", 2", 3"	1", 1½", 2", 3"	1", 1½", 2", 3"
FLOW GPM		0.2 to 40	20 to 150	0.1 to 300	0.1 to 300	0.1 to 300
FEATURES						
CAPTIVE BONNET BOLTS		●	●	●	●	
EPDM DIAPHRAGM AND SEAT				Standard	Standard	Standard
WARRANTY		2 Years	2 Years	5 Years	5 Years	5 Years
ADVANCED FEATURES						
FLOW CONTROL	Optional		●	●	●	●
FILTER SENTRY® MECHANISM				User-Installed	Factory-Installed	Factory-Installed
ACCU SYNC® CAPABLE	●	●	●	●	●	●
RECLAIMED WATER ID HANDLE	User-Installed	User-Installed	User-Installed	User-Installed	User-Installed	User-Installed
RECLAIMED WATER ID TAG				User-Installed	User-Installed	User-Installed
APPLICATIONS						
RESIDENTIAL	●	●	●			
COMMERCIAL		●	●	●	●	●
POTABLE WATER	●	●	●	●	●	●
RECLAIMED WATER				●	●	●
SECONDARY WATER					●	●
PRESSURE REGULATION	●	●	●	●	●	●
HIGH-PRESSURE SYSTEMS				●	●	●
LOW-PRESSURE SYSTEMS	●	●	●	●	●	●
HIGH-TEMPERATURE LOCATIONS				●	●	●
USE AS MASTER VALVE		●	●	●	●	●

## Advanced Features



### ACCU SYNC PRESSURE REGULATORS

Available on:  
PGV, ICV, IBV

Avoid sprinkler over-pressure conditions and gain significant water savings with Hunter's Accu Sync Pressure Regulator. This option is available in adjustable or fixed pressure models.



### FILTER SENTRY MECHANISM

For use with:  
ICV, IBV

The Filter Sentry Mechanism scours the filter clean twice during each valve cycle. Since it is attached to the diaphragm, the Filter Sentry feature can be easily added after a valve has been installed.



All Hunter valves are 100% water-tested to ensure reliable operation once installed. From residential to commercial

applications, high pressure to low pressure, and clean water to dirty water, Hunter valves keep systems running flawlessly day in and day out.

# 1" PGV AND PGV JAR-TOP



These versatile and robust valves offer simple serviceability.

## 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
- Triple-tool bonnet screws are compatible with standard or Phillips screwdrivers as well as a nut driver
- Jar-top models provide easy access without tools
- Encapsulated solenoid with captive plunger used on every Hunter valve provides hassle-free service
- Flow control maximizes efficiency and prolongs the life of the system

VALVE

## USER-INSTALLED OPTIONS

- Accu Sync® Pressure Regulator at the valve\*
- DC-Latching Solenoid for battery-operated controllers (P/N 458200)
- Solenoid conduit cover (P/N 464322)

## FACTORY-INSTALLED OPTIONS

- LS: Valve without solenoid
- DC: DC-Latching Solenoid for battery-operated controllers; **see page 84**
- JT: Jar-top models

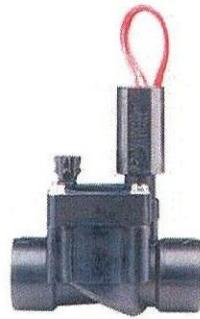
## OPERATING SPECIFICATIONS

- Flow: 0.2 to 40 GPM
- Recommended pressure range: 20 to 150 PSI
- Temperature rating: 150°F
- Warranty period: 2 years

## SOLENOID SPECIFICATIONS

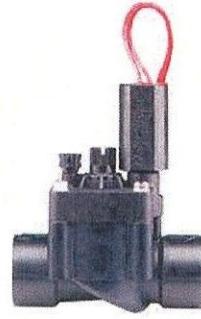
- 24 VAC solenoid
  - 350 mA inrush, 190 mA holding, 60 Hz
  - 370 mA inrush, 210 mA holding, 50 Hz

\* Accu Sync product information on **page 81**



**PGV-100G VALVE**

Inlet diameter: 1" Height: 5" Length: 4½" Width: 2½"



**PGV-101G VALVE**

Inlet diameter: 1" Height: 5" Length: 4½" Width: 2½"



**PGV-100JT-G VALVE**

Inlet diameter: 1" Height: 5½" Length: 4½" Width: 3¼"



**PGV-101JT-G VALVE**

Inlet diameter: 1" Height: 5½" Length: 4½" Width: 3¼"



**Double-Beaded Diaphragm**

**Captive Bonnet Bolts**



**PGV - SPECIFICATION BUILDER : ORDER 1 + 2 + 3 + 4 + 5**

1 Model	2 Standard Features	3 Feature Options	4 Options	5 User-Installed Options
<b>PGV-100 = 1"</b>	Globe valve, without flow control, threaded inlet/outlet	<b>G</b> = Female threaded inlet/outlet	<b>DC</b> = DC-Latching Solenoid for battery-operated controllers	<b>AS-ADJ</b> = Adjustable Accu Sync Pressure Regulator
<b>PGV-101 = 1"</b>	Globe valve, with flow control, threaded inlet/outlet	<b>G-S</b> = Slip inlet/outlet  <b>MB</b> = Male NPT inlet/1" poly barb outlet  <b>MB-075</b> = Male NPT inlet/3/4" poly barb outlet  <b>MB-125</b> = Male NPT inlet/1/4" poly barb outlet  <b>MM</b> = Male NPT inlet/Male NPT outlet	<b>LS</b> = Less solenoid  <b>Blank</b> = No options	<b>458200</b> = DC-Latching Solenoid for battery-operated controllers  <b>269205</b> = Reclaimed flow control handle  <b>LIT-700</b> = Reclaimed ID tag
<b>PGV-100-A = 1"</b>	Angle valve, without flow control, threaded inlet/outlet	<b>Blank</b> = No options	<b>Blank</b> = No options	
<b>PGV-101-A = 1"</b>	Angle valve, with flow control, threaded inlet/outlet			

**Example:**
**PGV-101-MM = 1" PGV globe valve, with flow control, with male NPT inlet and outlet**
**PGV JAR-TOP - SPECIFICATION BUILDER : ORDER 1 + 2 + 3 + 4 + 5**

1 Model	2 Standard Features	3 Feature Options	4 Options	5 User-Installed Options
<b>PGV-100-JT = 1"</b>	Globe valve, without flow control, threaded inlet/outlet	<b>G</b> = Female threaded inlet/outlet	<b>DC</b> = DC-Latching Solenoid for battery-operated controllers	<b>AS-ADJ</b> = Adjustable Accu Sync Pressure Regulator
<b>PGV-101-JT = 1"</b>	Globe valve, with flow control, threaded inlet/outlet	<b>G-S</b> = Slip inlet/outlet  <b>MB</b> = Male NPT inlet/1" poly barb outlet  <b>MB-075</b> = Male NPT inlet/3/4" poly barb outlet  <b>MB-125</b> = Male NPT inlet/1/4" poly barb outlet  <b>MM</b> = Male NPT inlet/Male NPT outlet	<b>LS</b> = Less solenoid	<b>458200</b> = DC-Latching Solenoid for battery-operated controllers  <b>269205</b> = Reclaimed flow control handle  <b>LIT-700</b> = Reclaimed ID tag

**Example:**
**PGV-101-JT-MM = 1" PGV globe valve, with jar-top bonnet, with flow control, with male NPT inlet and outlet**
**PGV PRESSURE LOSS IN PSI**

GPM	Globe	Angle	Male x Male	Male x Barb
1	3	1	2	2
5	4	1	2	2
10	4	1	2	2
15	5	1	3	3
20	5	2	4	4
25	6	2	7	6
30	8	3	10	10
40	14	5	18	16

**PGV-100G Valve Installed**
