

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
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

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

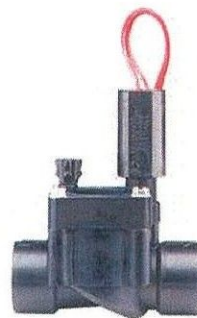
OPERATING SPECIFICATIONS

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

SOLENOID SPECIFICATIONS

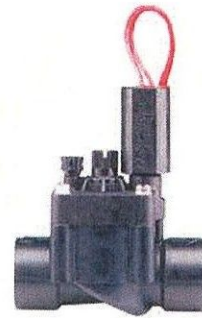
- 24 VAC solenoid
 - 350 mA inrush, 190 mA holding, 60 Hz
 - 370 mA inrush, 210 mA holding, 50 Hz

* 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
PGV-100 = 1"	Globe valve, without flow control, threaded inlet/outlet	G = Female threaded inlet/ outlet	DC = DC-Latching Solenoid for battery-operated controllers	AS-ADJ = Adjustable Accu Sync Pressure Regulator
PGV-101 = 1"	Globe valve, with flow control, threaded inlet/outlet	G-S = Slip inlet /outlet MB = Male NPT inlet/ 1" poly barb outlet MB-075 = Male NPT inlet/ ¾" poly barb outlet MB-125 = Male NPT inlet/ 1¼" poly barb outlet MM = Male NPT inlet/ Male NPT outlet	LS = Less solenoid Blank = No options	458200 = DC-Latching Solenoid for battery-operated controllers 269205 = Reclaimed flow control handle LIT-700 = Reclaimed ID tag
PGV-100-A = 1"	Angle valve, without flow control, threaded inlet/outlet	Blank = No options	Blank = No options	
PGV-101-A = 1"	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
PGV-100-JT = 1"	Globe valve, without flow control, threaded inlet/outlet	G = Female threaded inlet/ outlet	DC = DC-Latching Solenoid for battery-operated controllers	AS-ADJ = Adjustable Accu Sync Pressure Regulator
PGV-101-JT = 1"	Globe valve, with flow control, threaded inlet/outlet	G-S = Slip inlet /outlet MB = Male NPT inlet/1" poly barb outlet MB-075 = Male NPT inlet/ ¾" poly barb outlet MB-125 = Male NPT inlet/ 1¼" poly barb outlet MM = Male NPT inlet/ Male NPT outlet	LS = Less solenoid	458200 = DC-Latching Solenoid for battery-operated controllers 269205 = Reclaimed flow control handle LIT-700 = 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