

*Constructed from solid brass to provide years of trouble-free operation in any water condition*



1" Globe



1½" Globe



2" Globe



3" Globe

It's rugged. It's reliable. It's constructed of solid brass. It's the Hunter IBV, a valve created for the fiercest conditions found on a commercial site. Featuring a brass body and bonnet—built to handle up to 220 PSI—the IBV also boasts a sturdy stainless steel flow control stem. The IBV was designed from the ground up to incorporate many of the industry-leading features found in Hunter valves including the solenoid and ICV

diaphragm. Add in a pair of options and provide the IBV with an even higher degree of dependable performance: the Accu-Set™ pressure regulator maintains constant downstream pressure and the Filter Sentry™ system keeps the valve free of debris found in reclaimed water or ponds. The IBV. Built to withstand the rigors of high pressure situations and provide years of reliable operation.

### Features & Benefits



#### Solid brass construction

220 PSI rated for maximum strength

#### Fabric reinforced EPDM diaphragm and EPDM seat

Provides reliable operation in all water conditions

#### Stainless steel flow control stem

Maximum strength and durability

#### Internal and external manual bleed

Two options for manual operation

#### Heavy-duty Hunter solenoid

Shares the solenoid with all Hunter valves

#### Compatible with Hunter battery-powered systems

For maximum flexibility and site expansion

#### Accu-Set™ pressure regulator

Simple to use and install

## Models

- IBV-101G – 1" brass globe valve
- IBV-151G – 1½" brass globe valve
- IBV-201G – 2" brass globe valve
- IBV-301G – 3" brass globe

## Dimensions

- IBV-101G  
4½" H x 3¾" L x 5¼" W  
(11.4 cm H x 9.3 cm L x 13.1 cm W)
- IBV-151G  
6¼" H x 5¼" L x 6⅞" W  
(15.7 cm H x 13.2 cm L x 16.3 cm W)
- IBV-201G  
6⅞" H x 5¼" L x 6⅞" W  
(15.4 cm H x 13.2 cm L x 17.6 cm W)
- IBV-301G  
9⅝" H x 7¼" L x 9⅞" W  
(23.6 cm H x 18.3 cm L x 23 cm W)
- Female inlet/outlet: 1", 1½", 2" & 3" NPT or BSP

## Operating Specifications

- Flow: 0.10 to 300 GPM (0.06 to 68.10 m³/hr; 0.9 to 1,135.5 l/min)
- Pressure: 20 to 220 PSI (1.4 to 15.0 bars; 138 to 1500 kPa)
- Temperature: up to 150°F (66°C)
- Heavy-duty solenoid: 24VAC, 370mA inrush current, 190mA holding current, 60 cycles; 475mA inrush current, 230mA holding current, 50 cycles
- Accu-Set: 20 PSI (1.4 bars, 138 kPa) minimum operating pressure. Regulates from 20 to 100 PSI (1.4 to 7.0 bars; 138 to 689 kPa)

## Options Available

- Accu-Set pressure regulator

### IBV Pressure Loss in PSI

GPM	1"	1½"	2"	3"
0.1	2.0			
0.5	2.0			
1.0	2.0			
5.0	4.0			
10.0	3.0			
15.0	3.0			
20.0	3.0	1.5		
30.0	4.0	1.5		
40.0	7.0	1.7	0.8	
50.0		2.2	1.2	
60.0		3.0	1.7	
75.0		3.9	2.4	
90.0		5.5	3.2	
100.0		7.0	4.2	
120.0		10.9	6.5	
135.0		12.7	7.9	
150.0	16.2	9.8	2.5	
175.0		13.3	3.0	
200.0		17.7	4.1	
225.0			5.3	
250.0			6.7	
275.0			8.3	
300.0			10.1	

Charts based on full-open flow control position.

## Filter Sentry™: A Superior Self-cleaning System

Many traditional valve filters could become clogged by small debris commonly found in reclaimed water, wells, or in lakes and ponds. But with Filter Sentry, the filter is scoured clean by a wiper that slides up and strokes the full length of the filter when the valve opens. When the valve closes, the Filter Sentry scours the full length of the filter again. For your convenience, a Filter Sentry diaphragm can be added easily after the valve is installed.



## Accu-Set™: Finally, a Pressure Regulator That's Easy to Set

With the added option of Accu-Set on a Hunter IBV valve, you can reliably adjust and regulate pressures from 20 to 100 PSI, and be certain the setting you select will never waver. Accu-Set can be field installed to any ICV valve in seconds, without tools. Plus, the best part is the ease of setting the unit—just turn to the pressure you want on the easy-reading dial. No other pressure regulating device is as simple to use (just one more reason to choose Hunter).



## Works with Hunter's Battery-Operated Controllers

Dealing with an installation that lacks standard electrical power or where field wiring is simply not practical? Attach the IBV to either the Wireless Valve System or Smart Valve Controller and your power-restricted site gets Hunter's most rugged valve as well as all of the benefits of automatic irrigation.



## SPECIFICATION GUIDE

EXAMPLE: **IBV - 201G - FS - AS**

MODEL	FEATURES	OPTIONS FACTORY INSTALLED	OPTIONS USER INSTALLED
IBV	<b>101G</b> = 1" Globe Valve <b>151G</b> = 1½" Globe Valve <b>201G</b> = 2" Globe Valve <b>301G</b> = 3" Globe Valve	<b>FS</b> = Filter Sentry™ <b>B</b> = BSP Threads <b>DC</b> = DC Latching Solenoid	<b>AS</b> = Accu-Set™ Pressure Regulator <b>R</b> = Reclaimed Water Identification Handle <b>CC</b> = Conduit Cover

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