

# Hunter®



1" Globe



1½" Globe



2" Globe



3" Globe



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

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-Sync™ 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-Sync™ pressure regulator**  
Pressure regulation for precise system control on all IBV valves

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

Only Accu-Sync™ brings fixed or adjustable pressure regulation to any Hunter valve. The adjustable model enables the zone pressure to be customized from 20 to 100 PSI, while fixed models allow for easy installation at a set pressure.



# IBV Valve

## Models

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

## Dimensions

- IBV-101G:** 41/2" H x 33/4" L x 51/4" W  
(11.4 cm H x 9.3 cm L x 13.1 cm W)
- IBV-151G:** 61/4" H x 51/4" L x 61/8" W  
(15.7 cm H x 13.2 cm L x 16.3 cm W)
- IBV-201G:** 61/16" H x 51/4" L x 615/16" W  
(15.4 cm H x 13.2 cm L x 17.6 cm W)
- IBV-301G:** 95/16" H x 71/4" L x 91/8" 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 m<sup>3</sup>/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-Sync pressure regulator
- Reclaimed water tag: PN 700392
- DC Solenoid PN 458200

### IBV Pressure Loss in PSI

GPM	1"	1½"	2"	3"
0.1	2			
0.5	2			
1	2			
5	2.5			
10	3			
15	3			
20	3	1.5		
30	4	1.5		
40	7	1.7	0.8	
50		2.2	1.2	
60		3	1.7	
75		3.9	2.4	
90		5.5	3.2	
100		7	4.2	
120		10.9	6.5	
135		12.7	7.9	
150		16.2	9.8	2.5
175			13.3	3
200			17.7	4.1
225				5.3
250				6.7
275				8.3
300				10.1

Charts based on full-open flow control position



The factory-installed, reversible Filter Sentry™ tag indicates that the ICV valve can handle the rigors of reclaimed (purple side) or secondary water (yellow side).

## Accu-Sync™: Fixed or Adjustable Pressure Regulations for Any Zone

Only Accu-Sync™ brings fixed or adjustable pressure regulation to any Hunter valve. The adjustable model enables the zone pressure to be customized from 20 to 100 PSI, while fixed models allow for easy installation at a set pressure.



## 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 diaphragm can be added easily after the valve is installed. See the Filter Sentry™ Tags below.

## 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.



MODELS	INLET/OUTLET	OPTIONS FACTORY INSTALLED	OPTIONS USER INSTALLED
IBV-101G = 1" globe valve	(blank) = NPT threads B = BSP threads	(blank) = No option FS = Filter Sentry DC = DC latching solenoid	(blank) = No option R = Reclaimed water ID tag CC = Solenoid conduit cover DC = DC latching solenoid AS-ADJ = Accu-Sync adjustable pressure regulator AS-20 = Accu-Sync 20 PSI pressure regulator AS-30 = Accu-Sync 30 PSI pressure regulator AS-40 = Accu-Sync 40 PSI pressure regulator AS-50 = Accu-Sync 50 PSI pressure regulator AS-70 = Accu-Sync 70 PSI pressure regulator
IBV-151G = 1½" globe valve			
IBV-201G = 2" globe valve			
IBV-301G = 3" globe valve			

### EXAMPLES

<b>IBV-101G</b>	1" globe valve
<b>IBV-151G - FS - R</b>	1½" globe valve, NPT threads, Filter Sentry, and reclaimed water ID tag