



Built of solid brass, this valve can power through the fiercest irrigation conditions.

## KEY BENEFITS

- Factory-installed Filter Sentry™ scours the filter screen in dirty water conditions
- External/internal manual bleed allows for quick and easy activation at the valve
- Heavy-duty brass construction provides high pressure rating and reliability
- Double-beaded diaphragm seal design ensures leak-free performance
- Fabric-reinforced EPDM diaphragm and seat ensure greater performance in all water conditions
- Triple-tool bonnet screws are compatible with standard or Phillips screwdrivers as well as a nut driver
- Encapsulated solenoid with captive plunger used on every Hunter valve provides hassle-free service
- Flow control maximises efficiency and prolongs the life of the system

## 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)

## FACTORY-INSTALLED OPTIONS

- DC: DC-latching solenoid for battery-powered controllers

## OPERATING SPECIFICATIONS

- Flow rate:
  - IBV-101G-FS: 0.03 to 9 m<sup>3</sup>/hr; 0.4 to 150 l/min
  - IBV-151G-FS: 0.03 to 34 m<sup>3</sup>/hr; 0.4 to 568 l/min
  - IBV-201G-FS: 0.03 to 45 m<sup>3</sup>/hr; 0.4 to 757 l/min
  - IBV-301G-FS: 0.03 to 68 m<sup>3</sup>/hr; 0.4 to 1,135 l/min
- Recommended pressure range: 1.5 to 15 bar; 150 to 1500 kPa
- Temperature rating: 66°C
- Warranty period: 5 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 94](#)



**IBV-101G-FS**  
Inlet diameter: 1" (25 mm)  
Height: 14 cm  
Length: 12 cm  
Width: 8 cm



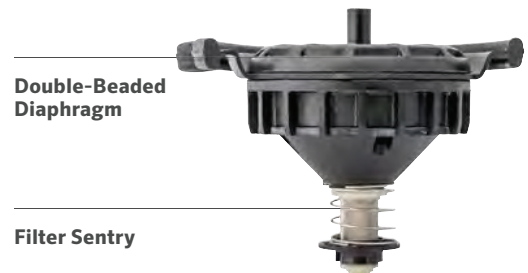
**IBV-151G-FS**  
Inlet diameter: 1½" (40 mm)  
Height: 17 cm  
Length: 15 cm  
Width: 15 cm



**IBV-201G-FS**  
Inlet diameter: 2" (50 mm)  
Height: 18 cm  
Length: 15 cm  
Width: 15 cm



**IBV-301G-FS**  
Inlet diameter: 3" (80 mm)  
Height: 23 cm  
Length: 22 cm  
Width: 18 cm



**Double-Beaded Diaphragm**

**Filter Sentry**

IBV	
Model	Description
IBV-101G-B-FS	1" (25 mm) BSP brass globe valve, with flow control, with factory-installed Filter Sentry diaphragm
IBV-151G-B-FS	1½" (40 mm) BSP brass globe valve, with flow control, with factory-installed Filter Sentry diaphragm
IBV-201G-B-FS	2" (50 mm) BSP brass globe valve, with flow control, with factory-installed Filter Sentry diaphragm
IBV-301G-B-FS	3" (80 mm) BSP brass globe valve, with flow control, with factory-installed Filter Sentry diaphragm
IBV-151G-FS-R	1½" (40 mm) BSP brass globe valve, with flow control, purple ID tag, Filter Sentry, and chlorine-resistant purple diaphragm
IBV-201G-FS-R	2" (50 mm) BSP brass globe valve, with flow control, purple ID tag, Filter Sentry, and chlorine-resistant purple diaphragm



**Double-Beaded Chlorine-Resistant Diaphragm**

**Filter Sentry**

IBV PRESSURE LOSS (AT OPTIMAL FLOWS) IN BAR				
Flow m <sup>3</sup> /hr	1" (25 mm) Globe	1½" (40 mm) Globe	2" (50 mm) Globe	3" (80 mm) Globe
0.05	0.1			
0.1	0.1			
0.3	0.1			
1.0	0.2			
2.5	0.2			
3.5	0.2			
4.5	0.2	0.1		
7.0	0.4	0.1		
9.0	1.0	0.1	0.1	
11.0		0.2	0.1	
13.5		0.2	0.1	
17.0		0.3	0.2	
20.5		0.4	0.2	
23.0		0.5	0.3	
27.0		0.7	0.4	
30.5		0.9	0.5	
34.0			0.6	0.2
40.0				0.2
45.5				0.3
51.0				0.3
57.0				0.4
62.5				0.5
68.0				0.6

IBV PRESSURE LOSS (AT OPTIMAL FLOWS) IN kPa				
Flow l/min	1" (25 mm) Globe	1½" (40 mm) Globe	2" (50 mm) Globe	3" (80 mm) Globe
0.1	14			
0.5	14			
4	14			
20	17			
40	20			
60	20			
75	20	9.6		
115	62	10		
150	139	12	5	
190		15	7	
225		18	9.3	
280		26	14	
340		37	20	
380		46	26	
450		65	36	
510		84	47	
565			57	16
660				22
750				29
850				38
950				47
1,050				58
1,135				69