

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 maximizes 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:
 - IBV-101G: 0.1 to 40 GPM
 - IBV-151G: 0.1 to 150 GPM
 - IBV-201G: 0.1 to 200 GPM
 - IBV-301G: 0.1 to 300 GPM
- Recommended pressure range: 20 to 220 PSI
- Temperature rating: 150°F
- Warranty period: 5 years

SOLENOID SPECIFICATIONS

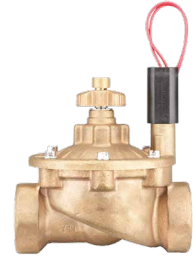
- 24 VAC solenoid
- 350 mA inrush, 190 mA holding, 60 Hz
- 370 mA inrush, 210 mA holding, 50 Hz

* Accu Sync product information on [page 83](#)

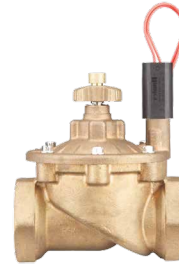
IBV	
Model	Description
IBV-101G-FS	1" NPT brass globe valve, with flow control, with factory-installed Filter Sentry diaphragm
IBV-151G-FS	1½" NPT brass globe valve, with flow control, with factory-installed Filter Sentry diaphragm
IBV-201G-FS	2" NPT brass globe valve, with flow control, with factory-installed Filter Sentry diaphragm
IBV-301G-FS	3" NPT brass globe valve, with flow control, with factory-installed Filter Sentry diaphragm
IBV-151G-FS-R	1½" NPT brass globe valve with purple ID tag, Filter Sentry, and chlorine-resistant purple diaphragm
IBV-201G-FS-R	2" NPT brass globe valve with purple ID tag, Filter Sentry, and chlorine-resistant purple diaphragm



IBV-101G-FS
 Inlet diameter: 1"
 Height: 5¼"
 Length: 4½"
 Width: 3"



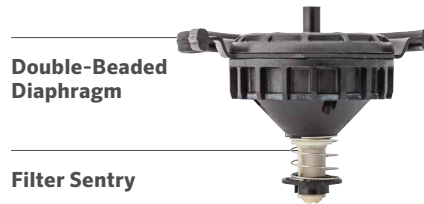
IBV-151G-FS
 Inlet diameter: 1½"
 Height: 6½"
 Length: 6"
 Width: 5¼"



IBV-201G-FS
 Inlet diameter: 2"
 Height: 7"
 Length: 6"
 Width: 5¼"



IBV-301G-FS
 Inlet diameter: 3"
 Height: 9"
 Length: 8½"
 Width: 7"



Double-Beaded Diaphragm

Filter Sentry

IBV PRESSURE LOSS (AT OPTIMAL FLOWS) IN PSI

Flow GPM	1" Globe	1½" Globe	2" Globe	3" Globe
0.1	2.0			
0.5	2.0			
1	2.0			
5	2.5			
10	3.0			
15	3.0			
20	3.0	1.5		
30	4.0	1.5		
40	7.0	1.7	0.8	
50		2.2	1.2	
60		3.0	1.7	
75		3.9	2.4	
90		5.5	3.2	
100		7.0	4.2	
120		10.9	6.5	
135		12.7	7.9	
150		16.2	9.8	2.5
175			13.3	3.0
200			17.7	4.1
225				5.3
250				6.7
275				8.3
300				10.1

Note:

Charts based on full-open flow-control position