IBV

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

KEY BENEFITS

- Factory-installed Filter Sentry™ Mechanism 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 Regulator at the valve*
- DC-Latching Solenoid for battery-operated controllers (P/N 458200)

FACTORY-INSTALLED OPTIONS

- DC: DC-Latching Solenoid for battery-operated controllers

OPERATING SPECIFICATIONS

- Flow rate:
  - IBV-101G-FS: 0.03 to 9 m^3/hr; 0.4 to 150 l/min
  - IBV-151G-FS: 0.03 to 34 m^3/hr; 0.4 to 568 l/min
  - IBV-201G-FS: 0.03 to 45 m^3/hr; 0.4 to 757 l/min
  - IBV-301G-FS: 0.03 to 68 m^3/hr; 0.4 to 1,135 l/min
- Recommended pressure range: 1.5 to 15 bar; 150 to 1,500 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



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



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



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



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



IBV 1", 1½", 2" & 3" – SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Standard Features	3 Feature Options	4 User-Installed Options
IBV-101G-B-FS = 1" (25 mm) BSP **IBV-151G-B-FS** = 1-½" (40 mm) BSP **IBV-201G-B-FS** = 2" (50 mm) BSP **IBV-301G-B-FS** = 3" (80 mm) BSP	Brass globe valve with flow control, Filter Sentry Mechanism	**(blank)** = No Option **R** = Purple reclaimed Filter Sentry Mechanism and ID tag **DC** = DC-Latching Solenoid for battery-operated controllers **LS** = Less solenoid	**AS-ADJ** = Adjustable Accu Sync Pressure Regulator **458200** = DC-Latching Solenoid for battery-operated controllers **607105** = Reclaimed flow control handle **LIT-700** = Reclaimed ID tag

Example:
IBV-201G-B-FS-AS-ADJ = 2" (50 mm) BSP IBV brass globe valve with flow control, Filter Sentry mechanism, user-installed adjustable Accu Sync Pressure Regulator



IBV PRESSURE LOSS (AT OPTIMAL FLOWS) IN BAR

Flow m^3/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