

IBV

Inlet: **1" (25 mm), 1½" (40 mm)**
2" (50 mm), 3" (80 mm)
 Flow: **0.06 to 68 m³/hr; 0.4 to 1,135 l/min**

FEATURES

- Factory-installed Filter Sentry™ diaphragm
- External and internal manual bleed allows quick and easy “at the valve” activation
- Double-beaded diaphragm seal design assures leak-free performance
- Fabric-reinforced EPDM diaphragm and EPDM seat ensure superior performance in all conditions
- Optional DC latching solenoids enable Hunter’s battery-powered controllers
- Low flow capability allows use of Hunter’s micro irrigation products
- Encapsulated 24 VAC solenoid with captive plunger for hassle-free service
- Temperature rating: 66° C
- Warranty period: 5 years
- ▶ **Heavy-duty flow control**
- ▶ **Accu-Sync® pressure regulation**

OPERATING SPECIFICATIONS

- Flow rate:
 - IBV-101G-FS: 0.06 to 9 m³/hr; 0.4 to 150 l/min
 - IBV-151G-FS: 4 to 34 m³/hr; 75 to 568 l/min
 - IBV-201G-FS: 9 to 45 m³/hr; 150 to 757 l/min
 - IBV-301G-FS: 34 to 68 m³/hr; 570 to 1,135 l/min
- Recommended pressure range: 1.5 to 15 bar; 150 to 1500 kPa

SOLENOID SPECIFICATIONS

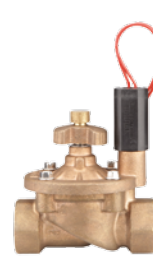
- 24 VAC solenoid
 - 350 mA inrush, 190 mA holding, 60 Hz
 - 370 mA inrush, 210 mA holding, 50 Hz

FACTORY INSTALLED OPTIONS

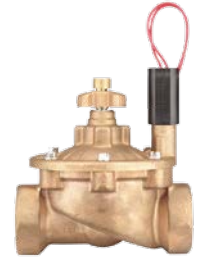
- DC latching solenoid

USER INSTALLED OPTIONS

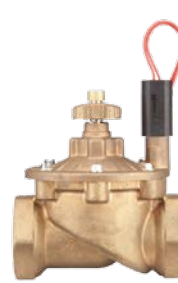
- Solenoid conduit cover (P/N 464322)
- DC latching solenoid (P/N 458200)
- Accu-Sync pressure regulator
- Reclaimed water ID tag (P/N 700392)
- ▶ = *Advanced Feature descriptions on page 82*



IBV-101G-FS
 Inlet Diameter: 1" (25 mm)
 Height: 11.5 cm
 Length: 9 cm
 Width: 13 cm



IBV-151G-FS
 Inlet Diameter: 1½" (40 mm)
 Height: 16 cm
 Length: 13 cm
 Width: 16 cm



IBV-201G-FS
 Inlet Diameter: 2" (50 mm)
 Height: 15 cm
 Length: 13 cm
 Width: 17 cm



IBV-301G-FS
 Inlet Diameter: 3" (80 mm)
 Height: 24 cm
 Length: 23 cm
 Width: 18 cm

Filter Sentry



IBV – SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Inlet/Outlet	3 Options (Factory Installed)	4 Options (User Installed)
IBV-101G-FS = 1" (25 mm) Globe valve IBV-151G-FS = 1½" (40 mm) Globe valve IBV-201G-FS = 2" (50 mm) Globe valve IBV-301G-FS = 3" (80 mm) Globe/Angle valve	B = BSP threads	(blank) = No option 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-xx* = Accu-Sync pressure regulator 20 * = 1.4 bar, 30 * = 2.1 bar 40 * = 2.8 bar, 50 * = 3.5 bar 70 * = 4.8 bar

Examples:

IBV-151G - B - FS - R = 1½" (40 mm) Globe valve, BSP threads, Filter Sentry, and reclaimed water ID tag
IBV-201G - B - FS = 2" (50 mm) Globe valve, BSP threads, Filter Sentry

IBV PRESSURE LOSS IN BAR				
Flow m³/hr	1" Globe	1½" Globe	2" Globe	3" 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 IN kPa				
Flow l/min	1" Globe	1½" Globe	2" Globe	3" 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