

# ICV

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

- Inlet: 1" (25 mm), 1½" (40 mm), 2" (50 mm), 3" (80 mm)
- External and internal manual bleed allows quick and easy "at the valve" activation
- Glass-filled nylon construction resulting in the highest pressure rating
- Double-beaded diaphragm seal design assures leak-free performance
- Fabric-reinforced EPDM diaphragm and EPDM seat ensure greater performance in all conditions
- Optional: DC latching solenoids enable Hunter's battery-powered controllers
- Captive bonnet bolts provide hassle-free valve maintenance
- 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
- ▶ Flow control
- ▶ Filter Sentry™
- ▶ Accu Sync® pressure regulation
- ▶ Optional reclaimed water ID

## OPERATING SPECIFICATIONS

- Flow:
  - ICV-101G: 0.06 to 9 m³/hr; 0.4 to 150 l/min
  - ICV-151G: 4 to 34 m³/hr; 75 to 568 l/min
  - ICV-201G: 9 to 45 m³/hr; 150 to 757 l/min
  - ICV-301: 34 to 68 m³/hr; 570 to 1,135 l/min
- Recommended pressure range: 1.5 to 15.0 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
- Filter Sentry

## USER INSTALLED OPTIONS

- Solenoid conduit cover (P/N 464322)
- DC latching solenoid (P/N 458200)
- Accu Sync pressure regulator
- Reclaimed water ID handle for ICV101, 151, 201 (P/N 561205) and 301 (P/N 515005)
- Reclaimed water ID Tag for all ICV valves (P/N 700392) (Included on Filter Sentry Models)

▶ = *Advanced Feature descriptions on page 88*



**ICV-101G**  
 Inlet Diameter: 1" (25 mm)  
 Height: 14 cm  
 Length: 12 cm  
 Width: 10 cm



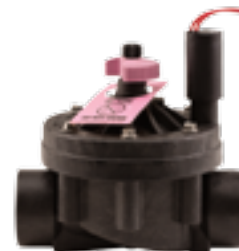
**ICV-151G**  
 Inlet Diameter: 1½" (40 mm)  
 Height: 18 cm  
 Length: 17 cm  
 Width: 14 cm



**ICV-201G**  
 Inlet Diameter: 2" (50 mm)  
 Height: 18 cm  
 Length: 17 cm  
 Width: 14 cm



**ICV-301**  
 Inlet Diameter: 3" (80 mm)  
 Height: 27 cm  
 Length: 22 cm  
 Width: 19 cm



**ICV-R**  
 Inlet Diameter: 1½" (40 mm) and 2" (50 mm)  
 Height: 18 cm  
 Length: 17 cm  
 Width: 14 cm

## Filter Sentry



**ICV – SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4**

1 Model	2 Inlet/Outlet	3 Options (Factory Installed)	4 Options (User Installed)
<b>ICV-101G</b> = 1" (25 mm) Globe valve	<b>(blank)</b> = NPT threads	<b>(blank)</b> = No option <b>DC</b> = DC latching solenoid	<b>(blank)</b> = No option <b>R</b> = Reclaimed water ID handle
<b>ICV-151G</b> = 1½" (40 mm) Globe valve	<b>B</b> = BSP threads	<b>FS</b> = Filter Sentry™ <b>FS-R</b> = Reclaimed water ID tag, purple flow control knob, Filter Sentry and purple chlorine resistant diaphragm	<b>CC</b> = Solenoid conduit cover <b>DC</b> = DC latching solenoid <b>AS-ADJ</b> = Accu Sync® adjustable pressure regulator
<b>ICV-201G</b> = 2" (50 mm) Globe valve			<b>AS-xx*</b> = Accu Sync pressure regulator <i>20 * = 1.4 bar, 30 * = 2.1 bar</i> <i>40 * = 2.8 bar, 50 * = 3.5 bar</i> <i>70 * = 4.8 bar</i>
<b>ICV-301</b> = 3" (80 mm) Globe/Angle valve			

**Examples:**

**ICV-101G** = 1" (25 mm) Globe valve, NPT threads

**ICV-151G - FS - R** = 1½" (40 mm) Globe valve, Filter Sentry, purple flow control knob, purple chlorine resistant diaphragm, and reclaimed water ID tag

**ICV-301-B** = 3" (80 mm) Globe/Angle valve, BSP threads

**ICV PRESSURE LOSS IN BAR**

Flow m³/hr	1" Globe	1½" Globe	2" Globe	3" Globe	3" Angle
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	0.1		
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		1.2	0.6	0.2	0.1
40.0			0.9	0.2	0.2
45.5			1.2	0.3	0.2
51.0				0.3	0.3
57.0				0.4	0.4
62.5				0.5	0.5
68.0				0.6	0.6

**ICV PRESSURE LOSS IN kPa**

Flow l/min	1" Globe	1½" Globe	2" Globe	3" Globe	3" Angle
1	14				
2	14				
4	14				
20	17				
40	20				
60	20				
75	20	9.6			
115	62	10			
150	139	12	5.0		
190		15	7.0		
225		18	9.3		
280		26	14		
340		37	20		
380		46	26		
450		65	36		
510		84	47		
565		104	57	16	12
660			79	22	17
750			103	29	23
850				38	30
950				47	38
1,050				58	47
1,135				69	56