

ICV

Top-of-the-line valve for high-pressure commercial systems, built to work seamlessly with the most demanding systems.

KEY BENEFITS

- Optional Filter Sentry™ scours the filter screen in dirty water conditions
- External/internal manual bleed allows for quick and easy activation at the valve
- Glass-filled nylon 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
- Captive bonnet screws eliminate the possibility of lost parts during disassembly
- 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)
- Filter Sentry easily added to an installed valve
- Solenoid conduit cover (P/N 464322)

Factory-Installed Options

- LS: Valve without solenoid
- DC: DC-latching solenoid for battery-powered controllers
- FS: Filter Sentry
- FS-R: Reclaimed option with Filter Sentry, purple control knob, and purple chlorine-resistant diaphragm

Operating Specifications

- Flow:
 - ICV-101G: 0.03 to 9 m³ /hr; 0.4 to 150 l/min
 - ICV-151G: 0.03 to 34 m³ /hr; 0.4 to 568 l/min

- ICV-201G: 0.03 to 45 m³ /hr; 0.4 to 757 l/min
- ICV-301: 0.03 to 68 m³ /hr; 0.4 to 1,135 l/min
- Recommended pressure range: 1.5 to 15.0 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

Animation: Valve Diaphragm Operation

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ICV Pressure Loss Charts (bar/kPa)

ICV Pressure Loss in Bar

Flow	1"	1½"	2"	3"	
m ³ /hr	Globe	Globe	Globe	Globe	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	1"	1½"	2"	3"	
l/min	Globe	Globe	Globe	Globe	Angle
1	14				

2	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		104	57	16	12
660			79	22	17
750			103	29	23
850				38	30
950				47	38
1050				58	47
1135				69	56

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