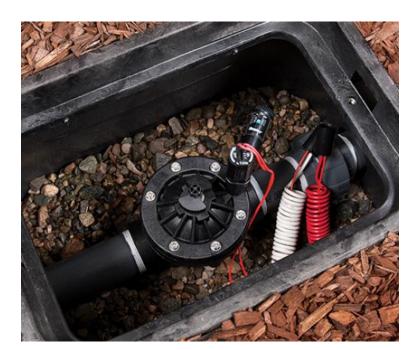
# **ICV**

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 leakfree 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 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)
- 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: 0.1 to 40 GPM
    ICV-151G: 0.1 to 150 GPM
    ICV-201G: 0.1 to 200 GPM
    ICV-301: 0.1 to 300 GPM
- Recommended pressure range: 20 to 220 PSI
- Temperature rating: 150°FWarranty period: 5 years

#### **ICV Pressure Loss in PSI**

**ICV Pressure Loss in PSI** 

Flow	1"	11/2"	2"	3"	3''
GPM	Globe	Globe	Globe	Globe	Angle
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	9.0	1.5			
40	20.0	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	1.9
175			13.3	3.0	2.4
200			17.7	4.1	3.3
225				5.3	4.3
250				6.7	5.5
275				8.3	6.9
300				10.1	8.5

## **Solenoid Specifications**

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

Animation: Valve Diaphragm Opperation

Sorry, your browser doesn't support embedded videos, but don't worry, you can <u>download it</u> and watch it with your favorite video player!

ICV PRESSURE LOSS IN PSI							
Flow GPM	1" Globe	1½" Globe	2'' Globe	3" Globe	3" Angle		
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	9.0	1.5					
40	20.0	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	1.9		
175			13.3	3.0	2.4		
200			17.7	4.1	3.3		
225				5.3	4.3		
250				6.7	5.5		
275				8.3	6.9		
300				10.1	8.5		

Copyright © 2025 Hunter Industries Inc. Hunter, the Hunter logo, and other marks are trademarks of Hunter Industries Inc., registered in the U.S. and certain other countries.

https://api.hunterirrigation.com/irrigation-product/valves/icv 121625