



- 01 **Reliable:** Can consistently with stand pressure of up to 220 PSI
- 02 **Durable:** Built with glass-filled nylon that results in extremely sturdy construction
- 03 **Flow Control:** Allows for the fine-tuning of flow and pressure for each zone

ICV VALVE

Top-of-the-Line Valve for High-Pressure Commercial Systems

The commercial-grade ICV is built to work seamlessly with the most demanding systems. It boasts an array of reliable features like a fabric reinforced EPDM diaphragm and seat, glass-filled nylon construction, and flow control. It can consistently operate at up to 220 PSI, and will continue working through difficult circumstances like high velocities, fluctuating flow rates, and challenging water conditions. In addition to its unmatched reliability, the ICV is also exceptionally easy to maintain. Its captive bonnet fasteners can be loosened and tightened using a variety of common contractor tools. A Filter Sentry™ option is also available for applications that involve dirty water. The Filter Sentry system keeps the diaphragm filter screen free of debris found in treated or secondary water sources. The valve is also available in a dedicated reclaimed water model, the ICV-R. For the ultimate reliability in high pressure and challenging water quality situations, the ICV is clearly the professional's ultimate choice.



HAJI SONS INTERNATIONAL

IRRIGATION LANDSCAPING SOLAR SYSTEM LASER LAND LEVELER SEEDS

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ICV VALVE FEATURES & SPECIFICATIONS

Features

- Application: Commercial/municipal
- Glass-filled nylon construction results in the highest pressure rating
- External and internal manual bleed allows quick and easy “at the valve” activation
- Double-beaded diaphragm bead design for superior leak-free performance
- Fabric reinforced EPDM diaphragm and EPDM seat ensure superior performance in all water conditions
- Optional: DC latching solenoids enable Hunter’s battery-powered controllers
- Captive bonnet bolts provide hassle-free valve maintenance
- Low-flow capability allows for use with Hunter's micro irrigation products
- Encapsulated 24 VAC solenoid with captive plunger for hassle-free service
- Temperature rating: 150°F
- Warranty period: 5 years

Operating Specifications

- Flow rate
 - ICV-101G: 0.1 to 40 GPM
 - ICV-151G: 20 to 135 GPM
 - ICV-201G: 40 to 150 GPM
 - ICV-301: 150 to 300 GPM
- Recommended pressure range: 20 to 220 PSI

Solenoid Specification

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

Models



ICV-101G
Inlet Diameter: 1"
Height: 5½"
Length: 4¾"
Width: 4"



ICV-151G
Inlet Diameter: 1 ½"
Height: 7⅛"
Length: 6⅞"
Width: 5½"



ICV-151G-FS-R
Inlet Diameter: 1 ½"
Height: 7⅛"
Length: 6⅞"
Width: 5½"



ICV-201G-FS-R
Inlet Diameter: 2"
Height: 7⅛"
Length: 6⅞"
Width: 5½"



ICV-201G
Inlet Diameter: 2"
Height: 7⅛"
Length: 6⅞"
Width: 5½"



ICV-301
Inlet Diameter: 3"
Height: 10¾"
Length: 9"
Width: 7¾"

Website hunterindustries.com | **Customer Support** 1-800-383-4747 | **Technical Service** 1-760-591-7383

Helping our customers succeed is what drives us. While our passion for innovation and engineering is built into everything we do, it is our commitment to exceptional support that we hope will keep you in the Hunter family of customers for years to come.

Gregory R. Hunter, President of Hunter Industries



This dependable valve works seamlessly with highly 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 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°F
- 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

* Accu Sync product information on **page 83**



ICV-101G

Inlet diameter: 1"
Height: 5½"
Length: 4¾"
Width: 4"



ICV-151G

Inlet diameter: 1½"
Height: 7½"
Length: 6¾"
Width: 5½"



ICV-201G

Inlet diameter: 2"
Height: 7½"
Length: 6¾"
Width: 5½"



ICV-301

Inlet diameter: 3"
Height: 10¾"
Length: 9"
Width: 7¾"



ICV-R

Inlet diameter: 1", 1½", 2", and 3"
Height: 7½"
Length: 6¾"
Width: 5½"

Double-Beaded Diaphragm

Filter Sentry



ICV	
Model	Description
ICV-101G	1" globe valve with flow control
ICV-101G-FS	1" globe valve with flow control, Filter Sentry
ICV-101G-DC	1" globe valve with flow control, DC solenoid
ICV-101G-LS	1" globe valve with flow-control-less solenoid
ICV-101G-FS-DC	1" globe valve with flow control, Filter Sentry, DC solenoid
ICV-101G-FS-LS	1" globe valve with flow control, Filter Sentry-less solenoid
ICV-101G-FS-R	Reclaimed 1" globe valve with flow control, Filter Sentry
ICV-151G	1½" globe valve with flow control
ICV-151G-FS	1½" globe valve with flow control, Filter Sentry
ICV-151G-DC	1½" globe valve with flow control, DC solenoid
ICV-151G-FS-DC	1½" globe valve with flow control, Filter Sentry, DC solenoid
ICV-151G-FS-R	Reclaimed 1½" globe valve with flow control, Filter Sentry
ICV-201G	2" globe valve with flow control
ICV-201G-FS	2" globe valve with flow control, Filter Sentry
ICV-201G-DC	2" globe valve with flow control, DC solenoid
ICV-201G-LS	2" globe valve with flow-control-less solenoid
ICV-201G-FS-DC	2" globe valve with flow control, Filter Sentry, DC solenoid
ICV-201G-FS-LS	2" globe valve with flow control, Filter Sentry-less solenoid
ICV-201G-FS-R	Reclaimed 2" globe valve with flow control, Filter Sentry
ICV301	3" globe/angle valve with flow control
ICV301-FS	3" globe/angle valve with flow control, Filter Sentry
ICV301-DC	3" globe/angle valve with flow control, DC solenoid
ICV301-FS-DC	3" globe/angle valve with flow control, Filter Sentry, DC solenoid
ICV-301-FS-R	Reclaimed 3" globe/angle valve with flow control, Filter Sentry

ICV PRESSURE LOSS (AT OPTIMAL FLOWS) 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

**Double-Beaded
Chlorine-Resistant
Diaphragm**



Filter Sentry

Captive Bonnet Bolts

