

# Hunter®

ICV Commercial Valves

## ICV

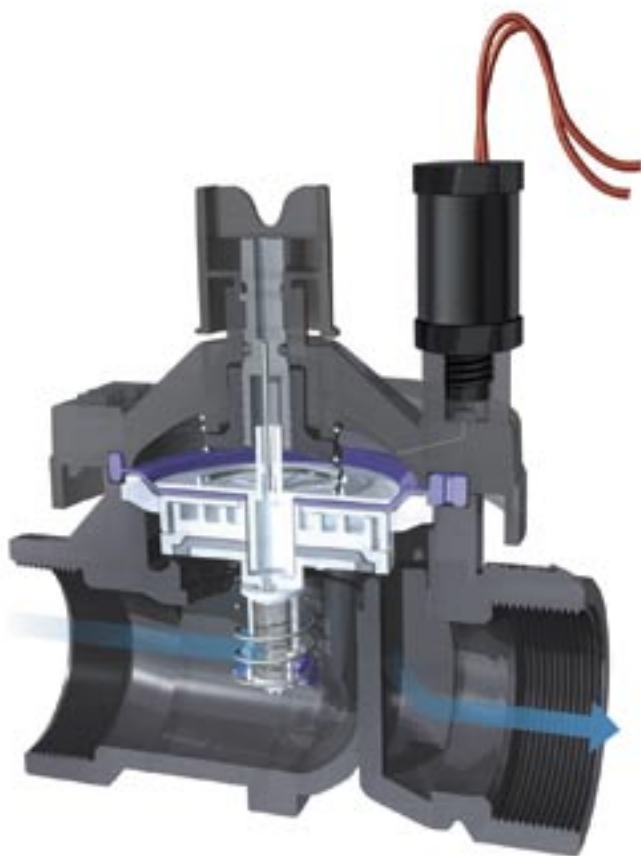
**An Industrial Strength Plastic Valve that Offers Superior Durability**



The ICV is a prime example of today's technological capabilities. This new valve is as rugged, durable and reliable as any commercial valve on the market, even those made of solid brass. And that's something that will astound those who thought that a plastic valve could never make that claim. The ICV can consistently withstand a pressure rating of up to 1500 kPa (15 bars) and can handle the continual hammering that such forces will produce. Designed to handle

the wide range of conditions that different commercial sites will bring, this valve offers a fabric reinforced diaphragm that provides flow control as a standard feature. In addition, the ICV is extremely easy to service, since the valve's bonnet fasteners can be loosened and tightened using a variety of common contractor tools. For a long-lasting valve that can deliver reliable performance at commercial sites, this is the heavy duty workhorse you're after.

### FEATURES & BENEFITS



#### **Glass-filled nylon construction**

1500 kPa (15 bars) rated for maximum strength and sturdiness

#### **Internal manual bleed**

Keeps valve box dry

#### **Captive solenoid plunger**

No more lost parts when servicing

#### **Captive bonnet bolts with matching brass body inserts**

Provide ease of service, eliminate lost parts

#### **Fabric reinforced diaphragm**

Provides reliable operation up to 1500 kPa (15 bars)

#### **Optional Filter Sentry™ system**

Automatically cleans the filter

#### **Optional Accu-Set™ pressure regulator**

Maintains a safe, constant water pressure level



## Models

- ICV-151G – 1½" (40 mm) plastic globe valve
- ICV-151G-FS – 1½" (40 mm) plastic globe valve with Filter Sentry™
- ICV-201G – 2" (50 mm) plastic globe valve
- ICV-201G-FS – 2" (50 mm) plastic globe valve with Filter Sentry
- ICV-301G – 3" (80 mm) plastic globe/angle valve
- ICV-301G-FS – 3" (80 mm) plastic globe/angle valve with Filter Sentry
- Accu-Set™ Pressure Regulator\*

## Dimensions

- ICV-101G – 14 cm H x 12 cm L x 10.2 cm W (with Accu-Set, 16.5 cm H)
- ICV-151G – 18 cm H x 17.5 cm L x 14 cm W (with Accu-Set, 20.5 cm H)
- ICV-201G – 14 cm H x 12 cm L x 10.2 cm W (with Accu-Set, 16.5 cm H)
- ICV-301G – 27.3 cm H x 23.5 cm L x 18.7 cm W
- Female inlet/outlet: 1", 1½", 2" and 3" NPT or BSP

## Operating Specifications

- Flow: 0.06 to 68.1 m³/h; 0.95 to 1,135.51 l/min
- Pressure: 1.4 to 15 bars; 138 to 1500 kPa
- Temperature: up to 150°F (66°C)
- Heavy duty solenoid: 24VAC, 60 cycles, 400mA inrush current, 270mA holding current
- BSP Models: 24VAC, 50 cycle solenoid, 280mA inrush current, 190mA holding current
- Accu-Set: 138 kPa minimum operating pressure (regulates from 138 to 690 kPa; 1.4 to 7 bars)

## Options Available

- Accu-Set pressure regulator
- Reclaimed water ID handle (P/N 385905 – 1", 1½" & 2"; P/N 515005 – 3")
- DC latching solenoid (P/N 458200)
- Solenoid conduit cover (P/N 464322)

## Accu-Set™: Accurately Sets Pressure to be the Same Every Time

What do you do, at a commercial site, when your irrigation system has to contend with water pressure that far exceeds the limits of safe operation? Simply ask for the added option of Accu-Set on the new ICV valve and you can reliably adjust and regulate pressures anywhere from 138 to 689 kPa (1.4 to 7 bars), all the while resting easy with the knowledge that the setting you select will be immune to fluctuation.



## Filter Sentry™: Stands Guard Over Tiny Particles of Dirt

Inside every hard-working valve is a filter, designed to keep out dirt. But microscopic particles like minerals and algae can build up on the diaphragm and wreak havoc to even the toughest filters, eventually leading to premature failure of the valve. The solution? Filter Sentry™ – an added option on the Hunter ICV. At work continuously



whenever the valve is operating, this incredible new scouring mechanism helps keep performance at its maximum by keeping microscopic contaminant build-up to the absolute minimum.

### ICV Pressure Loss in Bars

m³/hr	3"				
	1"	1½"	2"	Globe	Angle
0.06	0.14				
0.11	0.14				
0.23	0.14				
1.14	0.28				
2.27	0.21				
3.41	0.21				
4.54	0.21	0.10			
6.81	0.28	0.10			
9.08	0.48	0.12	0.05		
11.36		0.15	0.08		
13.63		0.21	0.12		
17.03		0.27	0.16		
20.44		0.38	0.22		
22.71		0.48	0.29		
27.25		0.75	0.45		
30.66		0.87	0.54		
34.10	1.12	0.67	.17	.13	
39.70		0.92	.20	.16	
45.42		1.22	.28	.23	
51.10			.36	.30	
56.80			.46	.38	
62.50			.57	.48	
68.10			.70	.59	

### ICV Pressure Loss in kPa

l/min	3"				
	1"	1½"	2"	Globe	Angle
0.9	13.7				
1.9	13.7				
3.8	13.7				
18.9	27.5				
37.9	20.6				
56.8	20.6				
75.7	20.6	10.3			
113.5	27.5	10.3			
151.4	48.2	11.7	5.5		
189.2		15.1	8.2		
227.1		20.6	11.7		
283.8		26.8	16.5		
340.6		37.9	22.0		
378.5		48.2	28.9		
454.2		75.1	44.8		
510.9		87.5	54.4		
567.8	111.6	67.5	17.2	13.1	
662.4		91.7	20.7	16.5	
757.0		122.0	28.3	22.8	
851.6			36.5	29.6	
946.3			46.2	37.9	
1040.9			57.2	47.6	
1135.5			69.6	58.6	

## SPECIFICATION GUIDE

EXAMPLE: **ICV - 201G - FS - AS**

MODEL	FEATURES	OPTIONS FACTORY INSTALLED	OPTIONS USER INSTALLED
ICV	<b>101G</b> = 1" Globe Valve <b>151G</b> = 1½" Globe Valve <b>201G</b> = 2" Globe Valve <b>301G</b> = 3" Globe Valve	<b>FS</b> = Filter Sentry™ <b>B</b> = BSP Threads <b>DC</b> = DC Latching Solenoid	<b>AS</b> = Accu-Set™ Pressure Regulator <b>R</b> = Reclaimed Water Identification Handle <b>CC</b> = Conduit Cover