

# Irritrol®



**PRO ONLY**



Featuring a straight-through flow path that dramatically reduces pressure loss, Irritrol® 700 Series UltraFlow® glass-filled nylon valves lead the industry in long-term performance and reliability. With a flow range from .1 to 180 GPM and a self-cleaning, 150-mesh stainless steel filter screen, these unique valves are ideal for a multitude of potable and dirty water applications. A glass-reinforced nylon body and bonnet, stainless steel components and a rugged and resistant diaphragm maximize classic innovations with an extra dimension of toughness. Also available in ¾" and 1" drip zone kits. The 700 Series valve is truly rugged for a reason.

## 700 SERIES ULTRAFLOW®

GLASS-FILLED NYLON VALVES

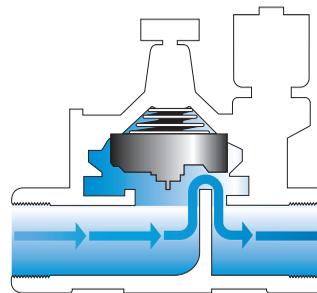
**UNIQUE STRAIGHT-THROUGH FLOW PATH**  
Minimal pressure loss for greater efficiency

**SLOW-CLOSING DESIGN**  
Reduces water hammer and resulting stress on the system

**TOUGH GLASS-REINFORCED NYLON, STAINLESS STEEL AND BRASS CONSTRUCTION**  
Provides durability and long life

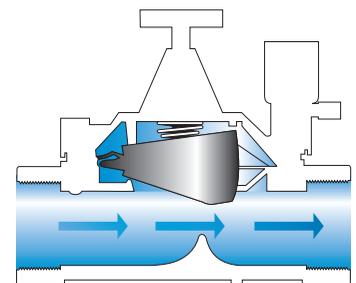
**HIGH AND LOW-FLOW OPERATION**  
Ensures consistent performance in a variety of applications

**SELF-FLUSHING, 150-MESH, STAINLESS STEEL FILTER SCREEN ON 1-, 1 ½- AND 2-INCH MODELS**  
Provides consistent operation



Conventional flow path

### PATENTED TECHNOLOGY



The UltraFlow Series straight-through flow path



ELECTRIC GLOBE  
¾", 1", 1½" & 2" MODELS

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## ADDED FEATURES

- Internal and external bleed (flush mode)
- Wide flow range
- Flow control allows precise flow adjustment and manual shutoff (not available on ¾-inch model)
- Compact, low-profile design
- Rugged nylon-reinforced Buna-N diaphragm provides leak-proof seal
- EPDM seat seal
- Encapsulated injection-molded solenoid with a captive hex plunger
- Unique three-way stainless steel bonnet screws with threaded brass inserts accept Phillips, flat-blade and hex-driver tools
- Five-year warranty

## OPERATING SPECIFICATIONS

- Flow range: .1-180 GPM (700B-.75 & 700-1 can operate at .1 GPM) (700-1.5 no recommended under 254 psi)
- Pressure range: 10-150 psi (700-2 not recommended under 25 psi)

## ELECTRICAL SPECIFICATIONS

- Solenoid: 24 V ac
- Inrush volt-amp: 24 V ac-9.6 VA
- Inrush current: .4 amp
- Holding volt-amp: 24 V ac-4.8 VA
- Holding current: .2 amp

## SPECIFYING INFORMATION

700 - XXX	
MODEL	SIZE
700 - 700 UltraFlow electric valve	B-.75 - ¾" size 1 - 1" size 1.5 - 1½" size 2 - 2" size

Example: A 700 UltraFlow electric 1" valve = **700-1**

## ULTRA-FLOW® TECHNOLOGY



## MODELS

Model	Description
700B-.75	¾" internal bleed flow control
700-1	1" internal bleed flow control
700-1.5	1½" internal bleed flow control
700-2	2" internal bleed flow control

## DIMENSIONS

- **700B-.75:** H: 4 ½", W: 1 9/10", D: 3 2/5"
- **700-1:** H: 4 ½", W: 3", D: 4 3/5"
- **700-1.5:** H: 5 ½", W: 4 3/8", D: 6 ¼"
- **700-2:** H: 7", W: 5 ½", D: 8"

## PRESSURE LOSS DATA

MODEL	SIZE	Flow Rate - GPM								
		0.1	2	5	10	15	20	30	40	50
700B-.75	¾"	0.38	0.38	0.86	1.22	2.03	3.27	6.75		
700-1	1"	2.20	1.59	1.80	2.41	2.23	1.84	3.22	5.58	8.59

MODEL	SIZE	Flow Rate - GPM											
		15	20	30	40	50	60	80	100	120	140	160	180
700-1.5	1 ½"	0.19	0.36	0.69	1.13	1.49	2.13	3.85	6.06	8.72	11.89		
700-2	2"			0.64	0.83	0.98	1.17	2.07	3.06	3.96	5.21	6.50	8.23

Pressure loss data are derived from valves independently tested by CIT, Fresno, CA.

## OPTIONAL ACCESSORIES

- A** Recycled-water solenoid kit (RW60-KIT); purple solenoid with purple warning tag
- B** DC latching solenoid (DCL)  
*Note: Maximum pressure for a valve that utilizes latching solenoid is 120 psi.*
- C** OmniReg®: - OMR-30 (5-30 psi regulator)  
- OMR-100 (5-100 psi regulator)

\* Optional accessories are field-installable. Must specify separately if required.



We reserve the right to improve our products and make changes in the specifications and designs without notice and without incurring obligation. Products depicted in this brochure are for demonstration purposes only. Actual products offered for sale may vary in design and features.