

700 SERIES UltraFlow®
ELECTRIC
GLOBE**3/4", 1", 1 1/2" AND 2" PLASTIC MODELS**

Featuring a straight-through flow path that dramatically reduces pressure loss, the Irritrol® UltraFlow Series of plastic valves leads 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 spring and hardware, and a rugged, nylon-reinforced Buna-N diaphragm add an extra dimension of toughness to this very durable family of valves.

KEY FEATURES & BENEFITS

UNIQUE STRAIGHT-THROUGH FLOW PATH

Provides extremely low friction loss

SLOW-CLOSING DESIGN

Reduces water hammer and resulting stress on the system

TOUGH GLASS-REINFORCED NYLON, STAINLESS STEEL AND BRASS CONSTRUCTION

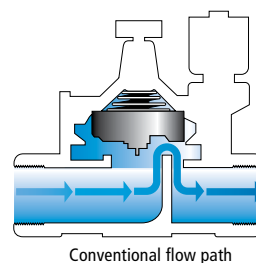
Provides durability and long life

HIGH AND LOW-FLOW OPERATION

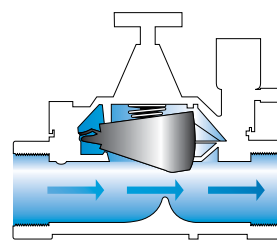
Ensures consistent performance in a variety of applications

SELF-FLUSHING, 150-MESH, STAINLESS STEEL FILTER SCREEN ON 1-, 1 1/2- AND 2-INCH MODELS

Provides consistent operation



Conventional flow path



The UltraFlow Series
straight-through flow path

ULTRA-FLOW® TECHNOLOGY



FRICTION 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
700-1.5	1½"	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

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

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	



ADDED FEATURES

- Manual internal bleed
- 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
- Buna-N valve 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)
- 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

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"

OPTIONAL ACCESSORIES *

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

* 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.