

700 SERIES UltraFlow
ELECTRICAL
GLOBE

**3/4", 1", 1 1/2" AND 2"
(20MM, 25MM, 40MM AND 50MM)
PLASTIC MODELS**



**FOR PETE'S SAKE,
LET'S ONLY DO
THIS ONCE.**

KEY FEATURES & BENEFITS

HEAVY-DUTY, CORROSION AND UV-RESISTANT PVC CONSTRUCTION WITH STAINLESS STEEL SPRING AND HARDWARE
Provides consistent operation

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

RUGGED, NYLON-REINFORCED BUNA-N DIAPHRAGM
Ensures a leak-proof seal

INTERNAL AND EXTERNAL BLEED (FLUSH MODE)
Manual operation

ACCEPTS OMNIREG™ MODULAR PRESSURE REGULATOR
Ensures consistent performance

Featuring a straight-through flow path that dramatically reduces pressure loss, the UltraFlow Series of plastic valves leads the industry in long-term performance and reliability. With a flow range of .10 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. Irritrol. **Get more done.**

ADDED FEATURES

- Manual internal bleed
- Unique straight-through flow path provides low pressure loss and superior regulation (OmniReg)
- Wide flow range
- Flow control allows precise flow adjustment and manual shutoff (not available on 3/4-inch/20mm 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: 2-180 GPM (8-700 L/M)
[700B-.75 & 700-1 can operate at .1 GPM (0,38 L/M)]
- Pressure range: 10-150 psi (0,7-10 Bars)

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

DIMENSIONS

	700B-.75	700-1	700-1.5	700-2
H	4 1/2" (114mm)	4 1/2" (114mm)	5 1/2" (140mm)	7" (178mm)
W	1 9/10" (48mm)	3" (76 mm)	4 3/8" (111mm)	5 1/2" (140mm)
L	3 2/5" (83mm)	4 3/5" (117mm)	6 1/4" (159mm)	8" (203mm)

MODEL	SIZE	FLOW L/M															
		1	2	5	10	15	20	30	40	50	60	80	100	120	140	160	180
700B-.75	3/4"		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							
700-1.5	1 1/2"					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

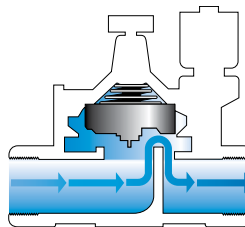
- 1) When designing a system, the industry standard for flow rate velocity through pipes and fittings is 5 FPS
- 2) Pressure loss data are derived from valves independently tested by CIT, Fresno, CA.
- 3) See friction loss charts on pages XX through XX for details
- 4) In general, we recommend sizing regulating valves toward upper flow ranges for best regulating performance.

OPTIONAL ACCESSORIES

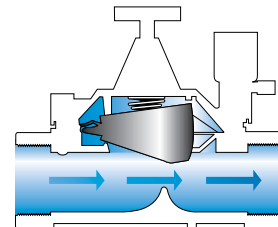
- IBOC300-9V battery operated "on valve" controller
- OmniReg™ 5-30 psi (0,34-2 Bars) regulator (OMR-30)
- OmniReg™ 5-100 psi (0,34-7 Bars) regulator (OMR-100)
- Recycled-water solenoid kit (RW60-KIT); purple solenoid with purple warning tag
- DC latching solenoid (E2003). *NOTE: Maximum pressure for a valve that utilizes E2003 latching solenoid is 120 psi (8 Bars).*
- Weatherproof gauge (SPK-30)
- Weatherproof gauge (SPK-100)
- Weatherproof gauge (SPK-100)

SPECIFYING INFORMATION

MODEL	SIZE
700B-.75	3/4" (20mm)
700-1	1" (25mm)
700-1.5	1 1/2" (40mm)
700-2	2" (50mm)



Conventional flow path



The UltraFlow Series straight-through flow path



700-1 Valve