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 ½” AND 2-INCH MODELS**
Provides consistent operation
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

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>700B-.75</td>
<td>¾” internal bleed flow control</td>
</tr>
<tr>
<td>700-1</td>
<td>1” internal bleed flow control</td>
</tr>
<tr>
<td>700-1.5</td>
<td>1½” internal bleed flow control</td>
</tr>
<tr>
<td>700-2</td>
<td>2” internal bleed flow control</td>
</tr>
</tbody>
</table>

DIMENSIONS

- 700B-.75: H: 4 ½”, W: 1 9/16”, D: 3 3/5”
- 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.