TYPE F BACK PRESSURE PILOT

CONTROLS 2 to 2000 PSIG

- Self Contained
- Spring Operated
- Normally Closed
- ANSI/FCI 70-2 Class IV Shutoff
- Packless Construction
- Four Adjustable Spring Ranges
- Operates on remote/local pressure source
- Not Affected by Static Head
- Accurate Regulation Unaffected by Service Conditions

MODELS
- **TYPE F13** for ±1 psi control of back pressure between 100 and 300 psi.
- **TYPE F14** for ±2 psi control of back pressure between 100 and 300 psi.
- **TYPE F15** for ±1/2 psi control of back pressure between 2 and 25 psi.
- **TYPE F32** for ±10 psi control of back pressure between 200 and 2000 psi.

OPTIONS
- Adjustment Indicator
- Integral Mount

**Application Data**
- Steam Backpressure Control
- Steam Backpressure Control with long control pipes
- Backpressure controlled by change in pressure of secondary fluid
- Backpressure control where a water leg on the pilot diaphragm cannot be avoided*

**Ratings** (Maximum Inlet Conditions)

<table>
<thead>
<tr>
<th>Construction</th>
<th>Pressure (PSIG)</th>
<th>Temperature (°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cast Iron</td>
<td>250 (17.2)</td>
<td>450 (232)</td>
</tr>
<tr>
<td>Cast Steel</td>
<td>600 (41.4)</td>
<td>750 (400)</td>
</tr>
</tbody>
</table>

**Spring Pressure Ranges (PSIG)**

<table>
<thead>
<tr>
<th>TYPE F13</th>
<th>TYPE F14</th>
<th>TYPE F15</th>
<th>TYPE F32</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-300</td>
<td>3-30</td>
<td>2-10</td>
<td>200-450</td>
</tr>
<tr>
<td>20-100</td>
<td>5-25</td>
<td></td>
<td>400-1200</td>
</tr>
<tr>
<td>40-150</td>
<td></td>
<td></td>
<td>1000-2000</td>
</tr>
</tbody>
</table>

Canadian Registration # OC 0591.9C
**TYPE F BACK PRESSURE PILOT**

**SPECIFICATION**

Pilot shall be separate from the main valve and connected to it with a male union. The pilot shall be normally closed design with packless construction. A strainer screen shall be built into the pilot inlet. The pilot shall be interchangeable on all sizes of main valves.

**MATERIALS OF CONSTRUCTION**

- Body, Cast Iron …………………….. ASTM A126 Cl B
- Body, Cast Steel …………………….. ASTM A216 GR. WCB
- Stem ………………………………. 2024-T4 ASTM B211-75
- Disc ………………………………. 440 St. St. ASTM A276-75 COND A
- Seat ………………………………. 420 St. Stl ASTM A276 COND A
- Gasket ……………………………………… Non-Asbestos
- Diaphragm ……………………………301 St. Stl. MIL-5-5059C
- Spring ………………………………………… Steel ASTM A231

**Dimensions**

- **TYPE F13 PILOT**
  - 12 LBS. (5.5 KG)
  - 12 1/4” (311)
  - 2 1/8” (54)

- **TYPE F14 PILOT**
  - 14 LBS. (6.4 KG)
  - 12 1/4” (311)
  - 2 1/8” (54)

- **TYPE F15 PILOT**
  - 15 LBS. (6.8 KG)
  - 12 7/8” (327)
  - 3 1/2” (89)

- **TYPE F32 PILOT**
  - 12 LBS. (5.5 KG)
  - 4 1/2” (114)
  - 2 1/4” NPT