TYPE Q BACK PRESSURE PILOT

CONTROLS 3 to 300 PSIG

- Self Contained
- Spring Operated
- Normally Open
- Packless Construction
- Four Adjustable Spring Ranges
- Fluid, Gas & Vapor Applications
- Loading Pressure Supplied by any Fluid
- Accurate Regulation Unaffected by Service Conditions
- Easy In-line Maintenance

OPTIONS
- Enclosed Spring Chamber
- Adjusting Handle
- High Pressure

MODELS
- TYPE Q for ± 1 psig accuracy controlling back pressures between 3 and 150 psig.
- TYPE Q2 for ± 2 psig accuracy controlling back pressures between 100 and 300 psig.
- TYPE Q73 air adjusted for ± 1 psig accuracy controlling back pressure at high retained pressures when available loading air is at low pressure. Delivery to loading pressure is 6-2/3 to 1 psig.

APPLICATION DATA
- Pump Bypass
- Maintain Upstream Pressure in Steam Distribution Systems
- Maintain Upstream Pressure in Liquid Distribution Systems

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 Q</th>
<th>TYPE Q2</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-20</td>
<td>100-300</td>
</tr>
<tr>
<td>5-50</td>
<td></td>
</tr>
<tr>
<td>10-100</td>
<td></td>
</tr>
<tr>
<td>20-150</td>
<td></td>
</tr>
</tbody>
</table>

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

**SPECIFICATION**

The 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
- Disc ................................................................. 440 St. St. ASTM A276-75 COND A
- Seat ................................................................. 440 St. St. ASTM A276-75 COND A
- Gasket .............................................................. Non-Asbestos
- Diaphragm ......................................................... 301 St. Stl. MIL-5-5059C
- Spring ............................................................... Steel

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**ADJUSTING HANDWHEEL**

- **ADJUSTING HANDWHEEL**
  - 8\(\frac{1}{8}\) (222)
  - 1\(\frac{1}{8}\) (27)

**SPRING CHAMBER**

- **SPRING CHAMBER**
  - 4\(\frac{1}{2}\) (114)
  - 7\(\frac{1}{8}\) (181)
  - 1\(\frac{1}{8}\) (27)

**TYPE Q PILOT**

- **TYPE Q PILOT**
  - 7 LBS.
  - (3.2 KG)

**TYPE Q2 PILOT**

- **TYPE Q2 PILOT**
  - 10 LBS.
  - (4.5 KG)

**TYPE Q73 PILOT**

- **TYPE Q73 PILOT**
  - 15 LBS.
  - (6.8 KG)