

TYPE Q PILOT

**APPLICATION DATA**

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

**RATINGS** (Maximum Inlet Conditions)

| Construction | Pressure<br>PSIG (bar) | Temperature<br>°F (°C) |
|--------------|------------------------|------------------------|
| Cast Iron    | 250 (17.2) @           | 450 (232)              |
| Cast Steel   | 600 (41.4) @           | 750 (400)              |

**SPRING PRESSURE RANGES** (PSIG)

| TYPE Q | TYPE Q2 |
|--------|---------|
| 3-20   | 100-300 |
| 5-50   |         |
| 10-100 |         |
| 20-150 |         |

Canadian Registration # OC 0591.9C

# 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.

**TYPICAL CONFIGURATIONS**

- BACK PRESSURE CONTROL.....TYPE EQ
- BACK PRESSURE CONTROL .....TYPE E2Q
- BACK PRESSURE CONTROL .....TYPE E5Q

SIZING INFO  
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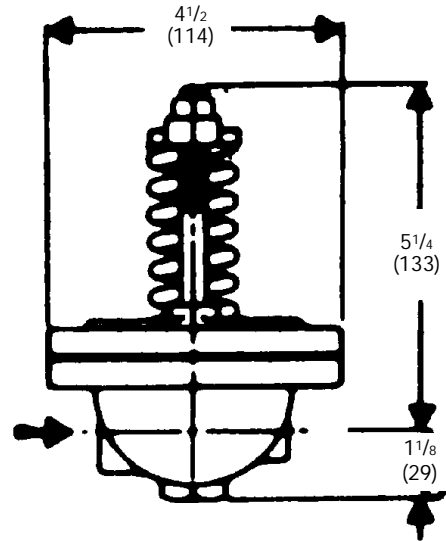
## SPECIFICATION

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 CI 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. St. MIL-5-5059C         |
| Spring .....           | Steel                           |

TYPE Q BACK PRESSURE PILOT



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

