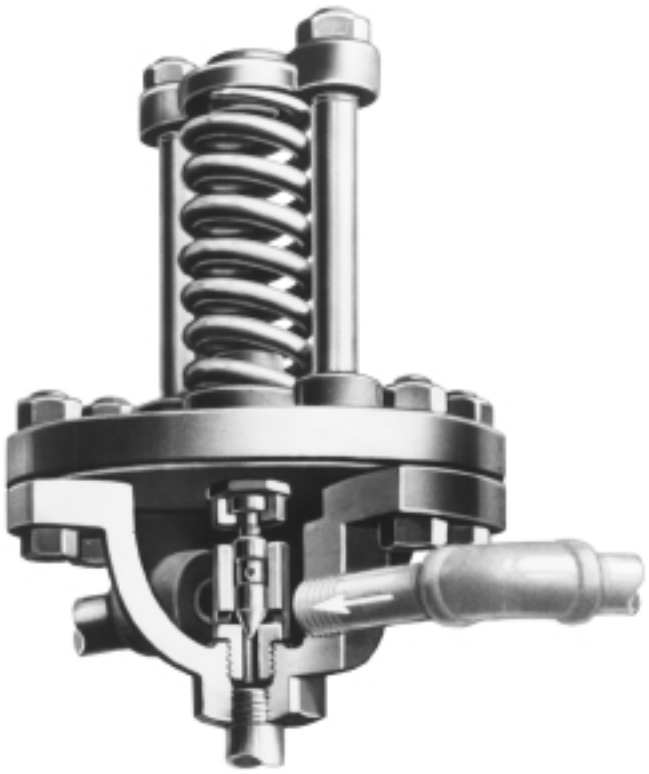
TYPE Q BACK PRESSURE PILOT

CONTROLS 3 to 300 PSIG



TYPE Q PILOT

- **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**

APPLICATION DATA

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

RATINGS (Maximum Inlet Conditions)

Construction	Pressure PSIG (bar)		Temperature °F (°C)
Cast Iron	250 (17.2)	@	450 (232)
Cast Bronze	250 (17.2)	@	400 (204)
Cast Steel	600 (41.4)	@	750 (400)

SPRING PRESSURE RANGES (PSIG)

TYPE Q	TYPE Q2	TYPE Q5
3-20	100-300	1-10
5-50		5-25
10-100		
20-150		

Canadian Registration # OC 0591.9C

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

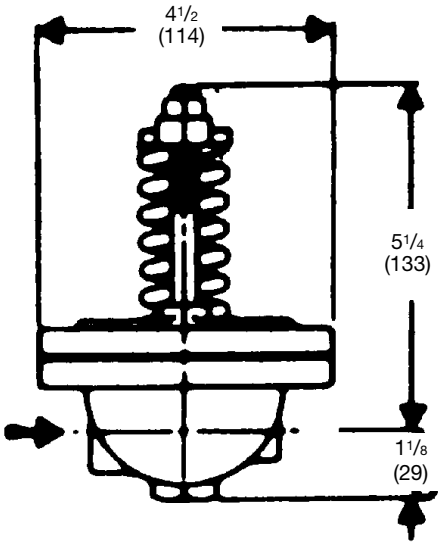
TYPE Q BACK PRESSURE PILOT

SPECIFICATION

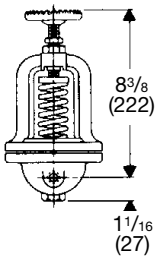
The Pilot shall be separate from the main valve and connected to it with a male union. The Pilot shall be normally closed design with packless construction. A strainer screen shall be built into the Pilot inlet. The Pilot shall be interchangeable on all sizes of main valves.

MATERIALS OF CONSTRUCTION

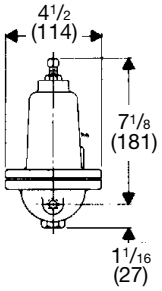
Body, Cast Iron .....ASTM A126 Cl B
Body, Cast Bronze .....ASTM B61 UNS C92200
Body, Cast Steel .....ASTM A216 GR. WCB
Disc .....440 St. St. ASTM A276-75 COND A
Seat .....440 St. St. ASTM A276-75 COND A
Gasket .....Non-Asbestos
Diaphragm .....301 St. Stl. MIL-5-5059C
Spring .....Steel



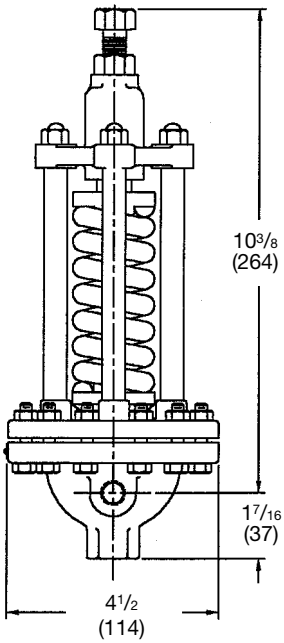
TYPE Q PILOT
7 LBS.
(3.2 KG)



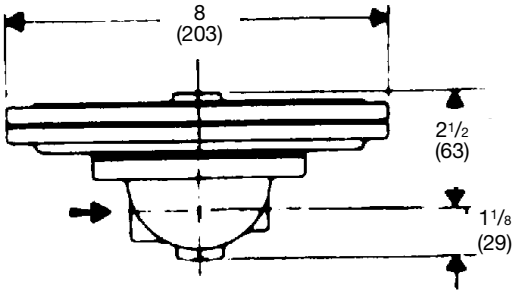
ADJUSTING HANDWHEEL



SPRING CHAMBER



TYPE Q2 PILOT
10 LBS.
(4.5 KG)



TYPE Q73 PILOT
15 LBS.
(6.8 KG)