

TYPE D PRESSURE PILOT

TYPE D PRESSURE REDUCING PILOT

CONTROLS 3 to 300 PSIG

- Self Contained
- Spring Operated
- Normally Closed
- Packless Construction
- Fluid, Gas & Vapor Applications
- Accurate Regulation Unaffected by Service Conditions
- Easy In-line Maintenance

MODELS

- **TYPE D** for ±1 psi control of delivery pressures between 3 and 150 psi.
- **TYPE D2** for control of delivery pressures between 100 and 300 psi.
- **TYPE D5** for ±1/2 psi control of delivery pressures between 1 and 25 psi.
- **TYPE D120** for exceptionally fast response controlling delivery pressures between 5 and 150 psi.

OPTIONS

- Spring Chamber
- Adjusting Handwheel
- Composition Disc
- Integral Mount Body
- Vacuum Spring Assembly

TYPICAL CONFIGURATIONS

- PRESSURE REDUCINGTYPE ED
- PRESSURE REDUCINGTYPE E2D
- PRESSURE REDUCINGTYPE E5D
- PRESSURE REDUCINGTYPE E6D
- WATER PRESSURE REDUCING.....TYPE C34D
- TEMPERATURE & PRESSURETYPE ET14D

APPLICATION DATA

- Pressure Regulating for Steam Distribution
- Regulating for Process Control
- Can be used with Temperature Pilot to Regulate Pressure on Temperature control Application

SIZING INFO
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RATINGS (Maximum Inlet Conditions)

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

SPRING PRESSURE RANGES (PSIG)

| TYPE D | TYPE D2 | TYPE D5 | TYPE D120 |
|-------------------|---------|---------|-----------|
| 3-20 [†] | 100-300 | 1-10 | 5-25 |
| 5-50 [†] | | 5-25 | 10-75 |
| 10-100 | | | 40-150 |
| 20-150 | | | |

[†]With Vacuum Spring Assembly, minimum range is 30 inches Hg; maximum is reduced by 15 PSIG.

Canadian Registration # OC 0591.9C

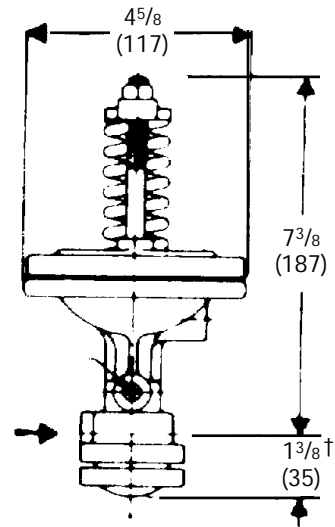
TYPE D PRESSURE REDUCING PILOT

SPECIFICATION

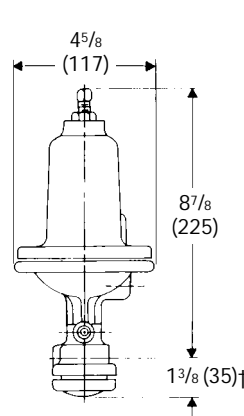
The Pilot shall be separate from the main valve and connected to it with a male union. The Pilot shall be normally closed design with packless construction. A strainer screen shall be built into the Pilot inlet. The Pilot shall be interchangeable on all sizes of main valves.

MATERIALS OF CONSTRUCTION

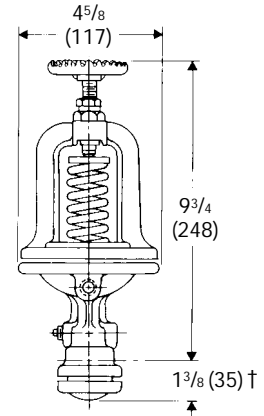
| | |
|------------------------|----------------------------------|
| Body, Cast Iron | ASTM A126 CI B |
| Body, Cast Steel | ASTM A216 GR. WCB |
| Stem | 303 St. Stl. ASTM A582 COND A |
| Disc | 440 St. Stl. ASTM A276-75 COND A |
| Seat | 420 St. Stl. ASTM A276 COND A |
| Gasket | Non-Asbestos |
| Diaphragm | 301 St. Stl. MIL-5-5059C |
| Spring | Inconel |



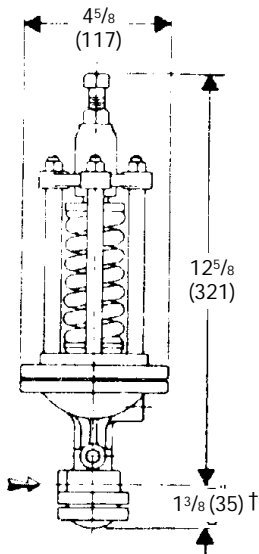
STANDARD D PILOT
7 LBS.
(3.2 KG)



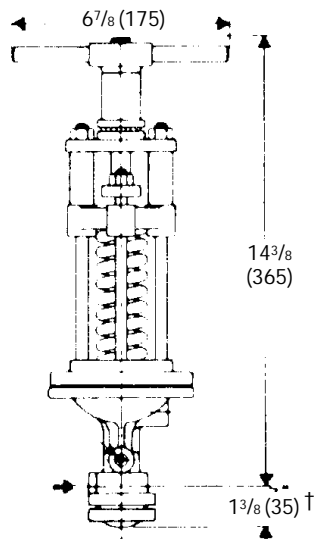
D SPRING CHAMBER
8 LBS. (3.6 KG)



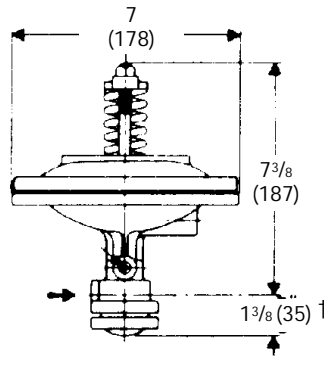
**D ADJUSTING
HANDWHEEL**
9 LBS. (4.1 KG)



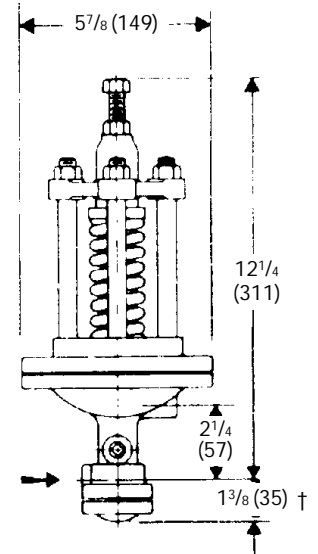
TYPE D2
10 LBS.
(4.5 KG)



**D2 ADJUSTING
HANDWHEEL**
12 LBS. (5.4 KG)



TYPE D5
14 LBS.
(6.4 KG)



TYPE D120
16 LBS.
(7.3 KG)

†For Integral Mount Pilot, this dimension is 5/8" (16).