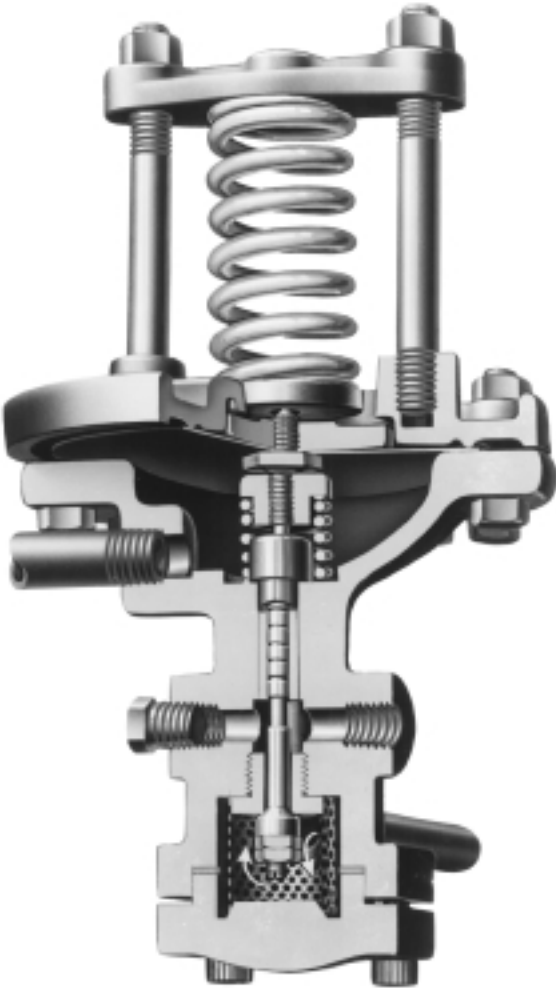


# TYPE D PRESSURE REDUCING PILOT

CONTROLS 3 to 300 PSIG



TYPE D PRESSURE PILOT

- 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  $\pm 1$  psi control of delivery pressures between 3 and 150 psi.
- **TYPE D2** for  $\pm 2$  psi control of delivery pressures between 100 and 300 psi.
- **TYPE D5** for  $\pm 1/2$  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 REDUCING .....TYPE **ED**
- PRESSURE REDUCING .....TYPE **E2D**
- PRESSURE REDUCING .....TYPE **E5D**
- PRESSURE REDUCING .....TYPE **E6D**
- WATER PRESSURE REDUCING.....TYPE **C34D**
- TEMPERATURE & PRESSURE.....TYPE **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

### 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 <sup>†</sup> | 100-300 | 1-10    | 5-25      |
| 5-50 <sup>†</sup> |         | 5-25    | 10-75     |
| 10-100            |         |         | 40-150    |
| 20-150            |         |         |           |

<sup>†</sup>With Vacuum Spring Assembly, minimum range is 30 inches Hg; maximum is reduced by 15 PSIG.

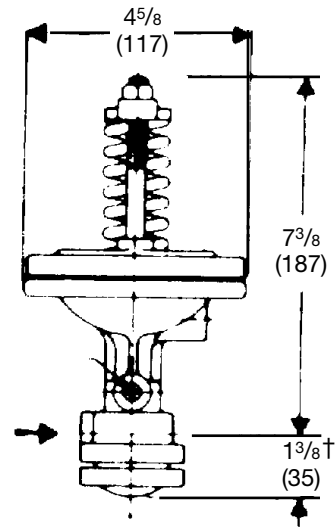


# TYPE D PRESSURE REDUCING PILOT SPECIFICATION

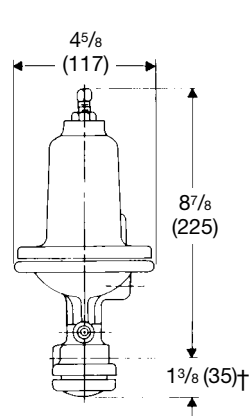
The Pilot shall be separate from the main valve and connected to it with a male union. The Pilot shall be normally closed design with packless construction. A strainer screen shall be built into the Pilot inlet. The Pilot shall be interchangeable on all sizes of main valves.

## MATERIALS OF CONSTRUCTION

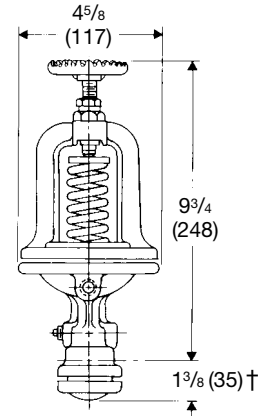
|                         |                                 |
|-------------------------|---------------------------------|
| Body, Cast Iron .....   | ASTM A126 CI B                  |
| Body, Cast Bronze ..... | ASTM B61 UNS C92200             |
| Body, Cast Steel .....  | ASTM A216 GR. WCB               |
| Stem .....              | 303 St. Stl. ASTM A582 COND A   |
| 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 .....            | Inconel                         |



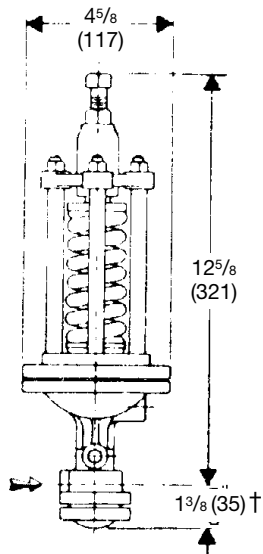
**STANDARD D PILOT**  
7 LBS.  
(3.2 KG)



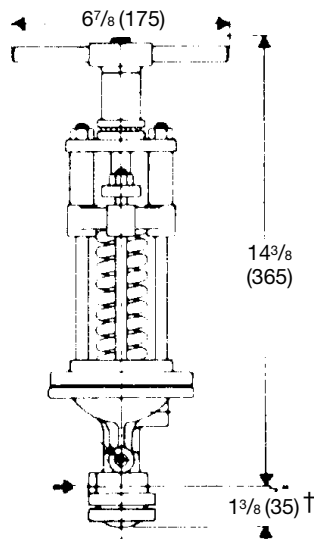
**D SPRING CHAMBER**  
8 LBS. (3.6 KG)



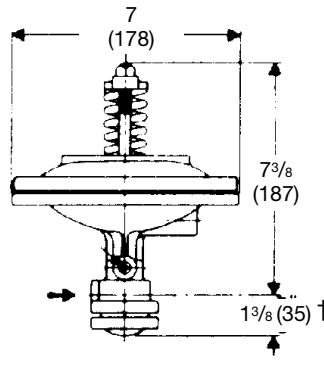
**D ADJUSTING HANDWHEEL**  
9 LBS. (4.1 KG)



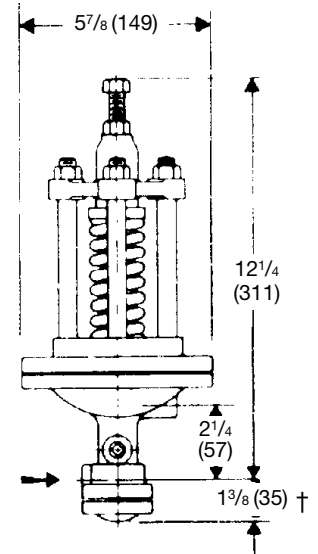
**TYPE D2**  
10 LBS.  
(4.5 KG)



**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).