

**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  $\pm 1$  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  $\pm 1/2$  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  
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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 <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.

Canadian Registration # OC 0591.9C

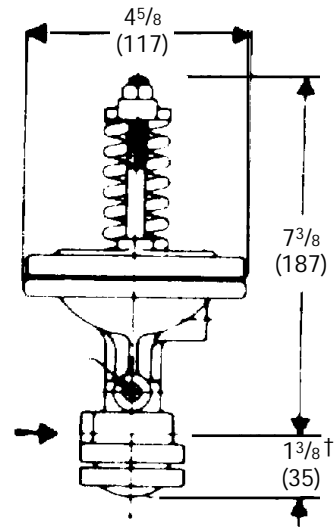
# TYPE D PRESSURE REDUCING PILOT

## SPECIFICATION

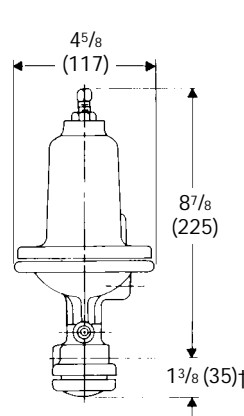
The Pilot shall be separate from the main valve and connected to it with a male union. The Pilot shall be normally closed design with packless construction. A strainer screen shall be built into the Pilot inlet. The Pilot shall be interchangeable on all sizes of main valves.

## MATERIALS OF CONSTRUCTION

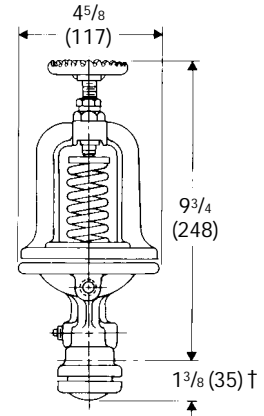
Body, Cast Iron .....	ASTM A126 CI B
Body, Cast Steel .....	ASTM A216 GR. WCB
Stem .....	303 St. Stl. ASTM A582 COND A
Disc .....	440 St. Stl. ASTM A276-75 COND A
Seat .....	420 St. Stl. ASTM A276 COND A
Gasket .....	Non-Asbestos
Diaphragm .....	301 St. Stl. MIL-5-5059C
Spring .....	Inconel



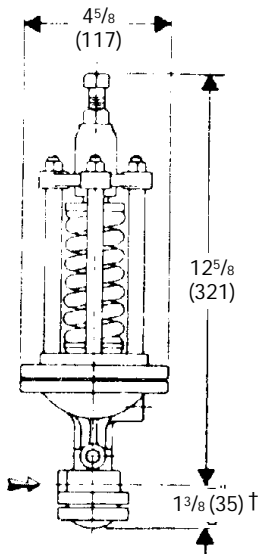
**STANDARD D PILOT**  
**7 LBS.**  
**(3.2 KG)**



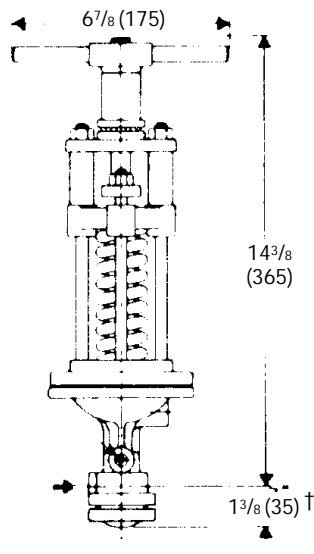
**D SPRING CHAMBER**  
**8 LBS. (3.6 KG)**



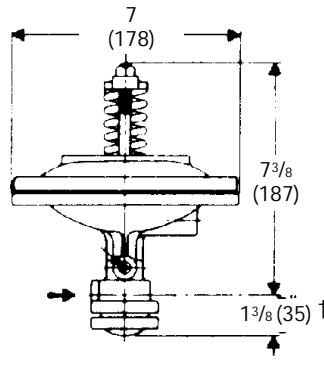
**D ADJUSTING  
HANDWHEEL**  
**9 LBS. (4.1 KG)**



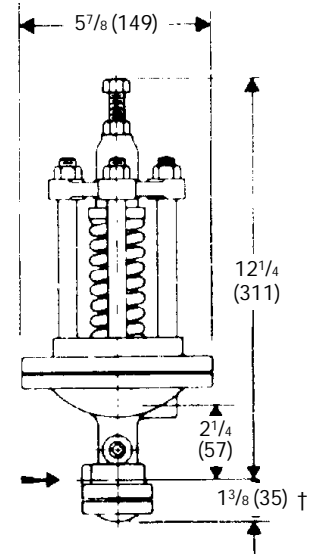
**TYPE D2**  
**10 LBS.**  
**(4.5 KG)**



**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).