



## TYPE D & D2 PRESSURE REDUCING VALVE

SIZES 1/4" – 1/2"  
PRESSURES to 600 PSIG at 750°F

- Self-contained
- Direct Operated
- Normally Open
- Packless Construction
- Accurate Regulation Unaffected by Service Conditions
- Easy In-line Maintenance
- Five Spring Ranges for Improved Control
- Utilizes Many Standard D/D2 Pilot Components

### APPLICATION DATA

- Pressure Regulating for Steam Distribution
- Regulating for Fluid, Gas and Vapor Process Control
- Processes with Small, Relatively Steady Flow Rates

### VALVE RATINGS

| Construction | Pressure<br>PSIG (bar) | Temperature<br>°F (°C) |
|--------------|------------------------|------------------------|
| Cast Iron    | 250 (17.2) @           | 400 (204)              |
| Cast Steel   | 600 (41.4) @           | 750 (400)              |

### SPRING PRESSURE RANGES (PSIG)

| TYPE D | TYPE D2 |
|--------|---------|
| 3-20   | 100-300 |
| 5-50   |         |
| 10-100 |         |
| 20-150 |         |

Canadian Registration # OC 0591.9C

*Installation Tip:* Add Uniflex Pipe Coupling for ease of maintenance  
Consult factory for pricing and availability

### MODELS

- **TYPE D VALVE** for ±1 PSI control of delivery pressure between 3 and 150 PSI
- **TYPE D2 VALVE** for ±2 PSI control of delivery pressure between 100 and 300 PSI

### OPTIONS

- Enclosed Spring Chamber
- Adjusting Handwheel
- Composition Disc
- Locking Device
- Wall Bracket

### TYPICAL CONFIGURATIONS

PRESSURE REDUCING .....TYPE D VALVE

PRESSURE REDUCING .....TYPE D2 VALVE

### RATED FLOW COEFFICIENTS (Cv)

|    |     | VALVE SIZE |      |      |
|----|-----|------------|------|------|
| Cv | 1/4 | 1/2        | 3/8  |      |
|    |     | 0.25       | 0.32 | 0.32 |

# TYPE D & D2 PRESSURE REDUCING VALVE

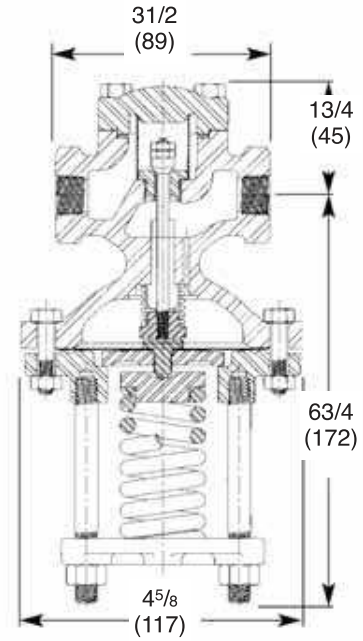
## SPECIFICATION

The Valve shall be of normally open design with packless construction. A strainer Screen shall be built into the valve inlet. The valve shall be single- seated, spring loaded and diaphragm actuated.

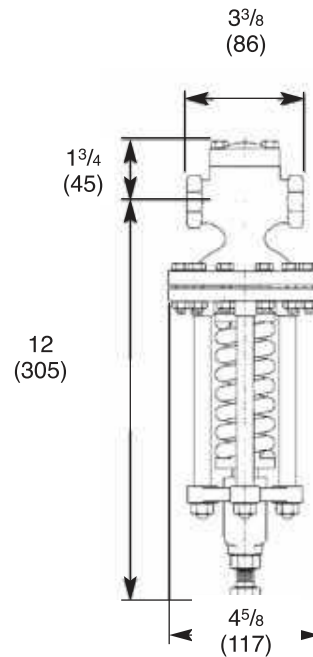
## MATERIALS OF CONSTRUCTION

|                        |                                 |
|------------------------|---------------------------------|
| 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. 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                         |

**D & D2 PRESSURE REDUCING VALVE**



**D VALVE  
7.3 LBS.  
(3.3 KG)**



**D2 VALVE  
10.6 LBS.  
(4.8 KG)**