# Pressure Reducing Valves

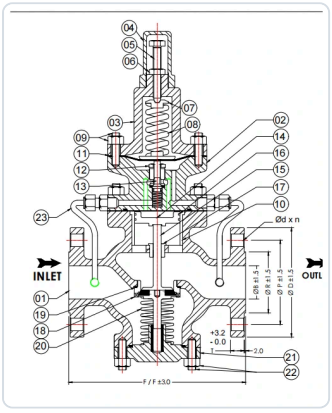
PRESSURE CONTROL

Pressure reducing valves (PRVs) bring a high, fluctuating inlet pressure down to a steady, lower outlet pressure. UTC VALVES supplies pilot-operated, piston-sensing PRVs for steam, water, air and gas services in process plants, boiler houses and utilities. A small pilot senses the downstream pressure and drives the main piston, so the valve holds the set pressure accurately across a wide range of flows. Internals are stainless steel for long service life.

## Pilot-operated piston-sensing PRV




| | |
|---|---|
| **Design** | Pilot-operated, piston-sensing pressure reducing valve |
| **Size** | 3" (80 NB); other sizes on request |
| **Pressure rating** | ASME Class 150 |
| **End connection** | Flanged, ASME B16.5 RF |
| **Inlet pressure** | 4 – 10 bar |
| **Outlet (set) pressure** | 2.8 – 4.1 bar, adjustable; other ranges on request |
| **Media** | Water, air, steam and gas |
| **Temperature** | Up to 250 °C |
| **Seat leakage** | Class IV |
| **Face to face (3")** | 320 mm |




Weights and dimensions are for reference only. Final data is confirmed in the quotation and approved drawings.

### Dimensions & technical details (mm)

| Size (in) | Size (mm) | F/F | ØD | ØP | ØR | T | Ød | n |
|---|---|---|---|---|---|---|---|---|
| 3" | 80 | 320.0 | 190.0 | 152.4 | 127.0 | 22.4 | 19.1 | 4 |

### Materials of construction

| Part | Material |
|---|---|
| Body, bonnet, pilot body, bottom cover | ASTM A216 Gr. WCB |
| Main piston, main plug, plug guide, main seat | SS 304 |
| Pilot diaphragm, pilot seat, pilot plug | SS 304 |
| Springs, adjusting screw, cap, lock nut, sleeve | SS 304 |
| Piston ring | Nitrile |
| Seat gasket | PTFE |
| Studs / nuts | ASTM A193 Gr. B7 / A194 Gr. 2H |
| Sensing tubing & fittings | SS 316 |

# UTC VALVES

**Engineered for Flow. Built for Reliability.**

## Send us your enquiry

Share the valve type, size, pressure class, materials, end connections, quantity and any project specification or drawing. Our team reviews every enquiry and responds with availability and a quotation.


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