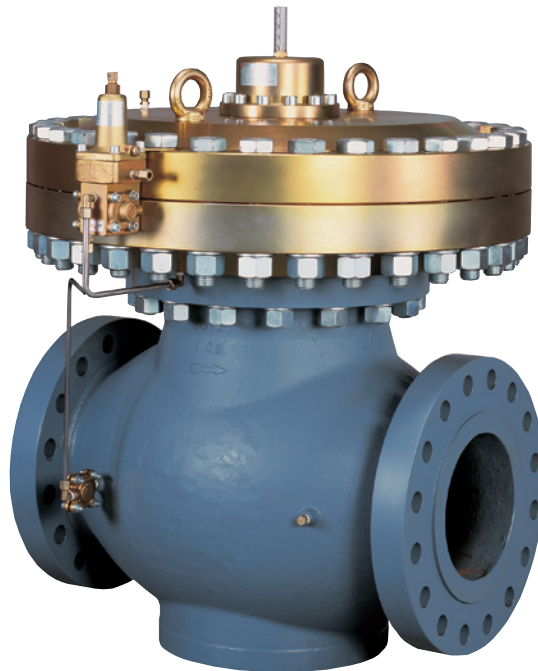


Type 971

High capacity / high-pressure, pilot-operated regulator with optional silencer



Type 971

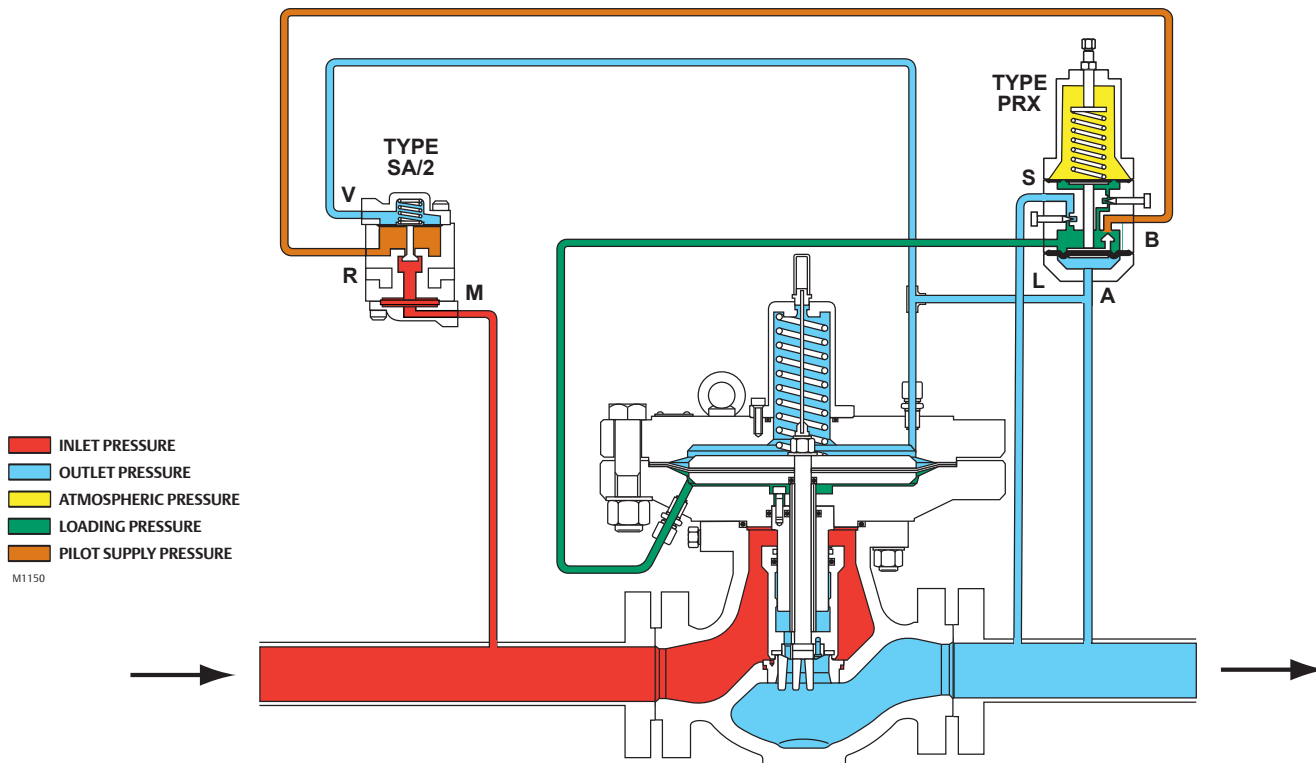
Fully ANSI CL600 rated two path control

Features:

- 1450 psig (100 bar) Inlet Pressure Rating / 1015 psig (70,0 bar) Outlet Pressure Rating
- Set Pressures up to 1015 psig (70,0 bar)
- Top Entry
- Resistant to Particle Erosion
- “True No Bleed” Design - Never Vents to Atmosphere
- High Capacity
- Travel Indicator
- Easy Pressure Adjustment
- Bubble Tight Shutoff - Knife Edge Seat
- High Turn Down
- High Accuracy

Applications:

- City Gate
- District Stations
- Wide-Open or Working Monitors
- Vaults or Below Grade
- Power Plant Fuel Supply
- Turbine Fuel Supply
- Gas Systems with High Liquid Content
- Elevated Pressure for Industrial Customers
- High Noise Abatement



Type 971 Operational Schematic

The Type 971 can operate at high inlet pressure.

Type 971 Technical Specifications

- **Maximum Inlet Pressure:** 1450 psig (100 bar)
- **Maximum Outlet Pressure:** 1015 psig (70,0 bar)
- **Maximum Differential:** 1450 psig (100 bar)
- **Minimum Differential:**
 - *Start Open:* 7.3 psid (0,50 bar d)
 - *Full Open:* 14.5 psid (1,00 bar d)
- **Set Pressure Range:**
 - *Type PRX 120 or 125:* 14.5 to 435 psig (1,00 to 30,0 bar)
 - *Type PRX-AP 120 or 125:* 435 to 1160 psig (30,0 to 80,0 bar)
- **Body Size:** NPS 10 (DN 250)
- **End Connection:** CL300 RF, CL600 RF
- **Temperature Capabilities:**
 - *Standard Version:*
Working: 14° to 140°F (-10° to 60°C)

Type 971 Technical Specifications (continued)

- **Temperature Capabilities (continued):**
 - *Low Temperature Version:*
Working: -4° to 140°F (-20° to 60°C)
- **Capacity:** C_g : 32500, C_r : 31, C_v : 1048

Materials of Construction

- **Body and Actuator Casings:** Steel
- **Trim:** Stainless Steel / Plated Steel
- **Seat:** Nitrile (NBR) or Fluorocarbon (FKM)
- **Diaphragm:** Fabric Reinforced Nitrile (NBR) with PVC Coating
- **Elastomers:** Nitrile (NBR) / Fluorocarbon (FKM)
- **Option:** Silencer

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