

Type 67CFR Instrument Supply Regulator



W7423-1
Mounted on a Control Valve Controller



W7412
With Optional Pressure Gauge

- Typically Used to Provide Reduced Pressures to Pneumatic and Electro-Pneumatic Instruments
- DN 8 or 1/4-Inch NPT Screwed Connections
- Temperatures to 149°C or 300°F
- Inlet Pressures to 17.2 Bar or 250 Psig
- Outlet Pressure Settings from 0 to 6.9 Bar or 0 to 100 Psig
- Air and Process Gas Service

Body Sizes, End Connections,
and Materials 6-28
Flow Coefficients 6-28

Temperatures 6-28
Pressures 6-28
Options 6-28

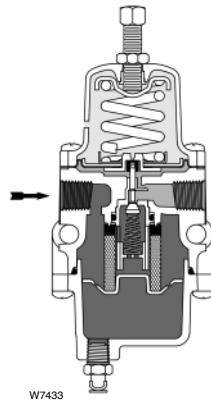


Industrial Regulators

67CFR

Type 67CFR regulators are typically used to provide reduced pressures to pneumatic and electro-pneumatic instruments. These regulators have internal filters with a fee area of 12 times the pipe area. The internal relief valve has a soft seat.

Other applications include providing reduced pressure for air chucks, air jets, and spray guns.



- **Compact, Lightweight Design**
- **In-Line Maintenance**
- **Internal Relief**
- **Integral Filter**
- **Second Outlet for Gauge**
- **Pressure Gauges Available**
- **Dripwell with Drain Valve**

Body Sizes, End Connections, and Materials

| Body Sizes and End Connection | Body, Spring Case, and Dripwell | Filter | Diaphragm and Valve Plug | Gasket |
|-------------------------------|---------------------------------|---------------------------------------|---|-------------|
| 1/4 NPT screwed | Aluminum | Cellulose or stainless steel or glass | Nitrile, fluoroelastomer (FKM), or silicone (do not use silicone with hydrocarbons) | Composition |

6

Flow Coefficients for Relief Valve Sizing

Wide-Open C_g : 11.7

Wide-Open C_v : 0.36

C_1 : 32.2

Temperatures

Nitrile: -29 to 82°C or -20 to 180°F (Optional is -40 to 82°C or -40 to 180°F)

Fluoroelastomer (FKM): -18 to 149°C or 0 to 300°F

Silicone (VMQ): -51 to 82°C or -60 to 180°F

Pressures

Maximum Inlet Pressure (Body Rating): 17.2 bar or 250 psig

Maximum Outlet (Casing) Pressure: 3.4 bar or 50 psi above outlet pressure setting

Outlet Pressure Ranges

| OUTLET PRESSURE RANGES | | CONTROL SPRING DATA | |
|------------------------|----------|---------------------|--------------|
| Bar | Psig | Part Number | Color |
| 0 to 1.4 | 0 to 20 | T14130T0012 | Green stripe |
| 0 to 2.4 | 0 to 35 | T14059T0012 | Silver |
| 0 to 4.1 | 0 to 60 | T14058T0012 | Blue stripe |
| 0 to 8.6 | 0 to 125 | T14050T0012 | Red stripe |

Options

Pressure gauge in side outlet, handwheel adjusting screw, panel mounting, NACE (National Association of Corrosion Engineers) or ammonia service construction, triple-scale outlet pressure gauge

Only a brief overview is presented here. For more detailed information, such as capacities and dimensions, refer to the companion catalog, the Fisher Regulator Handbook.