

Commercial Service Reliability



FISHER™

VS100 Series Slam Shut Device

Fisher™ VS100 Series

The VS100 Series Slam-Shut device is designed to shut off the flow of gas to the downstream system in the event of outlet pressure rising above or falling below the predefined levels.

The VS100 Series consists of:

- A body with a removable orifice, enclosed by a bonnet
- A controller Type VSX4 for Types VS110 and VSX8 for Type VS120

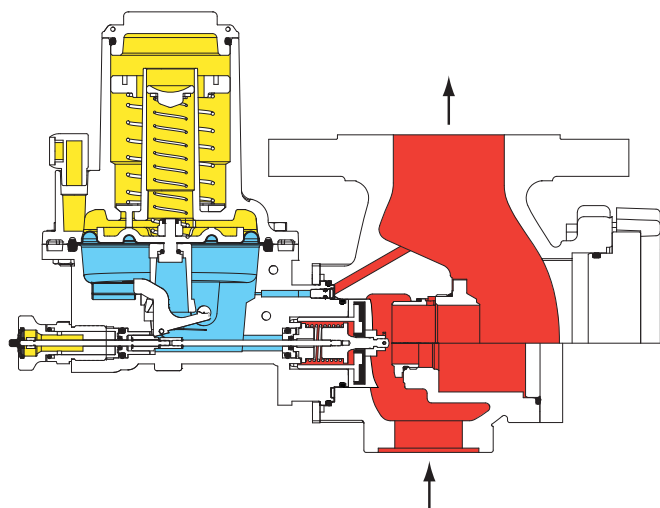
Product Advantages:

- Overpressure Shut-off and Underpressure Shut-off capability
- Manual trip system
- Travel indicator
- Bypass for the rearmament
- Rotation at 360° for easy installation and maintenance
- No specific tool for maintenance
- Reed switch in option available on VS120 Series only (refer to VSX4/8 IM D103127X012 for more information)



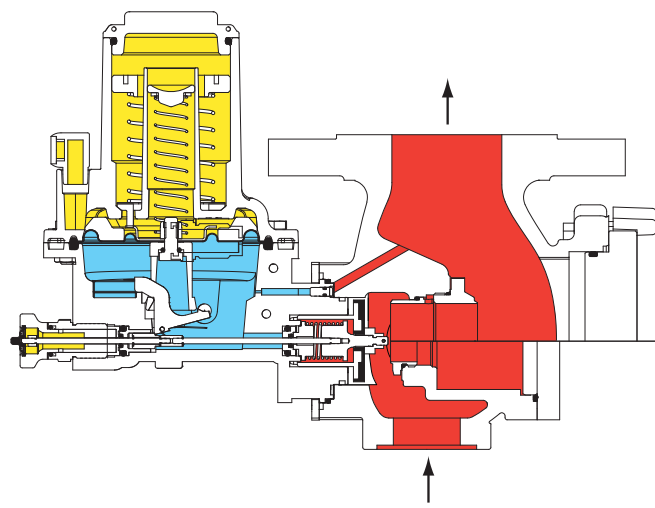
EMERSON. CONSIDER IT SOLVED.™

Operational Schematic



M1320

■ INLET PRESSURE
■ OUTLET PRESSURE
■ ATMOSPHERIC PRESSURE



M1319

■ INLET PRESSURE
■ OUTLET PRESSURE
■ ATMOSPHERIC PRESSURE

VS100 Series Features

- **Operation:** Direct-Operated, Spring-Loaded

- **Body Sizes and Connections:**

VS110 Series

Rp 1 in. - 1-1/4 in. - 1-1/2 in. -

Rpxgaz 1x2-1/4 in. (ductile iron only)

NPT 1 in. - 1-1/4 in. - 1-1/2 in.

DN 40 PN 16 slip on (ductile iron only)

VS120 Series

Rp 1-1/4 in. - 1-1/2 in. - 2 in.

NPT 1-1/4 in. - 1-1/2 in. - 2 in.

DN 50 PN 10/16 - DN 50 CL125FF/150FF (ductile iron only) -

CL150 RF (steel only)

- **Maximum Inlet Pressure:** Up to 16 bar / 232 psig
- **Maximum Allowable Pressure:** 20 bar / 290 psig

- **Outlet Pressure Range:**

Types VSX4L and VSX8L Low Pressure Version

Underpressure Shut-off: 5 to 750 mbar / 0.07 to 10.9 psig

Overpressure Shut-off: 30 to 1600 mbar / 0.43 to 23.2 psig

Types VSX4H and VSX8H High Pressure Version

Underpressure Shut-off: 0.5 to 2.8 bar / 7.3 to 40.6 psig

Overpressure Shut-off: 1.1 to 5.5 bar / 16 to 79.8 psig

- **Maximum Outlet (Casing) Pressure:** 6 bar / 87 psig
- **Material Temperature Capabilities:**
According to PED Standards: -20° to 66°C / -4° to 150°F
Non-PED: -30 to 66°C / -20° to 150°F
- **Spring Case Vent Connection:** 1/4 in. NPT
- **Pressure Registration:** External
- **Body Material:** Ductile Iron (GS) - Steel (WCC)

Emerson Automation Solutions

Americas

T +1 800 558 5853
T +1 972 548 3574

Europe

T +39 051 419 0611

Asia Pacific

T +65 6777 8211

Middle East / Africa

T +971 4811 8100

✉ webadmin.regulators@emerson.com

🔍 Fisher.com

📘 Facebook.com/EmersonAutomationSolutions

🌐 LinkedIn.com/company/emerson-automation-solutions

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