

Type VSX4/VSX8 Controller and VS100 Series Slam-Shut Devices

Commercial Service Reliability



Type VS100



Type VSX4/VSX8

Type VSX4/VSX8 and VS100 Series

The Type VSX4/VSX8 and VS100 Series slam-shut devices are 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.

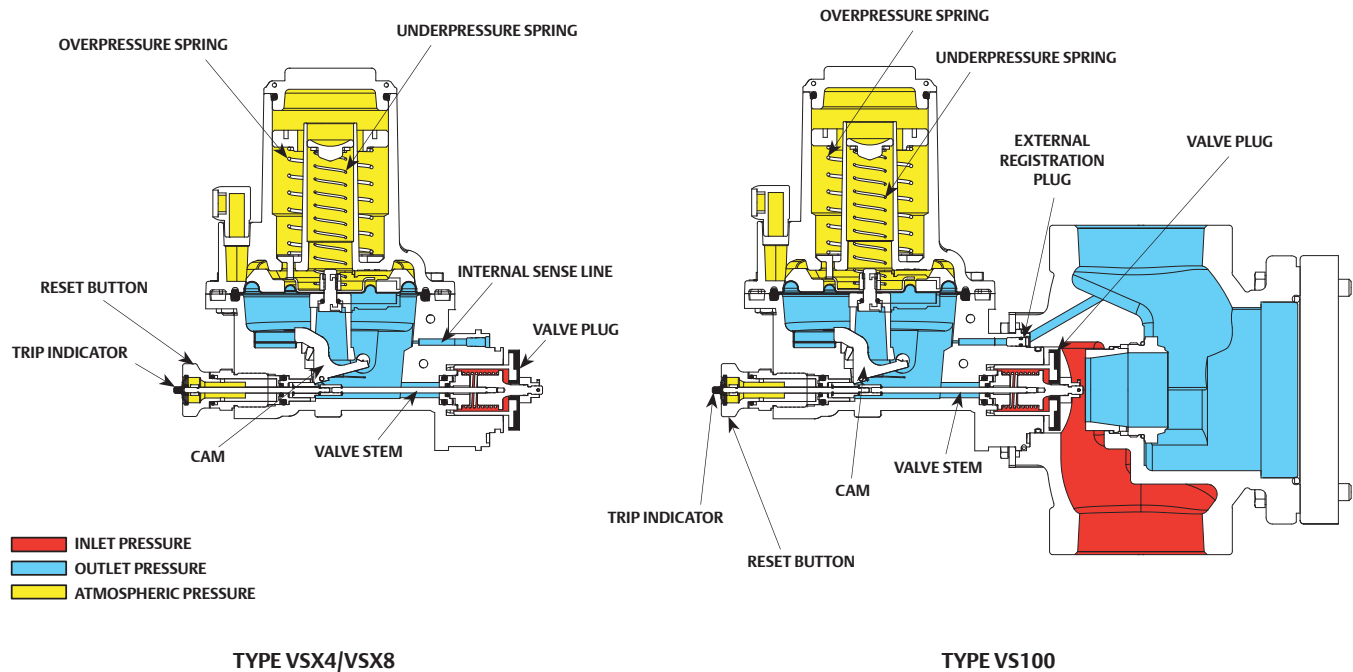
The VS100 Series consists of the following:

- Body with a removal orifice, enclosed with a bonnet
- VSX4 or VSX8 Series controller

Product Features

- Type VSX4/VSX8 internal or external pressure registration. Type VS100 external pressure registration
- Overpressure Shutoff and Underpressure Shutoff capability
- Manual trip system
- Trip indicator
- Bypass for the rearmament
- Rotation at 360° for easy installation and maintenance
- No specific tool for maintenance

Operational Schematic



Type VSX4/VSX8 and VS100 Series Features

Operation: Direct-Operated, Spring-Loaded

Type VS100 Body Sizes and Connections:

NPS 1, 1-1/4, 1-1/2, 2 Rp and NPT;
 NPS 1x2-1/4 Rp x GAZ (Ductile Iron);
 NPS 1-1/2 PN 16 slip on (Ductile Iron);
 CL125 FF, CL150 FF, PN 10/16

Maximum Inlet Pressure: Up to 16 bar / 232 psig

Maximum Allowable Pressure: 20 bar / 290 psig

Outlet Pressure Range:

Low-Pressure Version

Underpressure Shutoff: 5 to 750 mbar / 0.07 to 10.9 psig

Overpressure Shutoff: 30 to 1600 mbar / 0.43 to 23.2 psig

High-Pressure Version

Underpressure Shutoff: 0.5 to 2.8 bar / 7.3 to 40.6 psig

Overpressure Shutoff: 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: -29 to 66°C / -20 to 150°F

Spring Case Vent Connection: 1/4 NPT

Pressure Registration: Internal (Type VSX4/VSX8) or External

Case Material: Type VSX4/VSX8 Aluminium (Al);

Type VS100 Ductile Iron (GS) - Steel (WCC)

Emerson Process Management Regulator Technologies, Inc.

3200 Emerson Way
 McKinney, Texas 75070 USA
 Tel: +1 800 558 5853
 Outside U.S. +1 972 548 3574

Asia-Pacific
 Singapore 128461, Singapore
 Tel: +65 6770 8337

Europe
 Bologna 40013, Italy
 Tel: +39 051 419 0611
 Chartres 28008, France
 Tel: +33 2 37 33 47 00



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