Positive-Shutoff Overpressure Protection

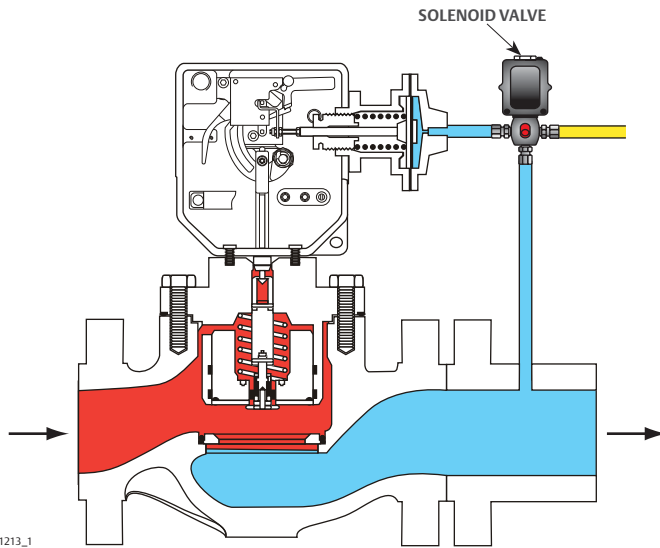**FISHER™**   **Type OSE Slam Shut**

Introduction

Type OSE slam-shut valve is used to totally and rapidly cut the gas flow when the pipeline pressure exceeds the set pressure or when the pipeline pressure drops below the set pressure.
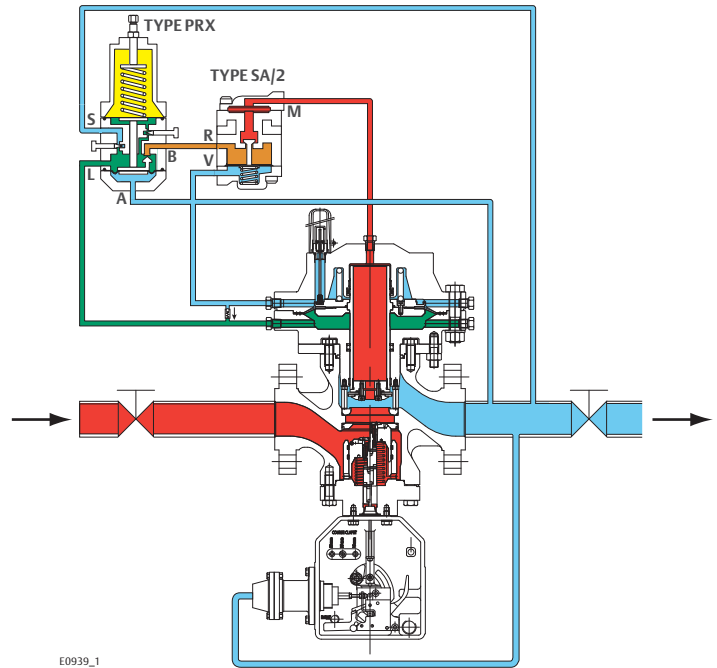
Features

- **Overpressure and Underpressure Protection**
- **High Shock and Vibration Resistance**—Type OSE incorporates a two-stage tripping mechanism that significantly reduces nuisance tripping caused by vibrations or inlet pressure variations commonly experienced by other shut-off valves.
- **High Accuracy**—Maintains up to ±1% accuracy regardless of inlet pressure, flowrate and the size of the slam-shut.

- **Easy In-Line Maintenance**—Top entry design reduces maintenance time and manpower requirements; parts can be inspected and replaced without removing the body from the line.
- **Water Tight**—Type OSE is water tight to 10 ft / 3.0 m.
- **Positive Shutoff**—After closing, the slam-shut valve stays closed until the system is shut down and the valve is manually reset. An O-ring on the valve plug seal provides tight shutoff.
- **Remote Alarm Capability**—A limit switch is available that detects when the Type OSE slam-shut valve is tripped.
- **Remote Shutoff Capability**—Remote Tripping can be achieved by combining the Type OSE with a 3-way solenoid valve. Manual tripping is also possible using the Manual Push Button Trigger Switch option.
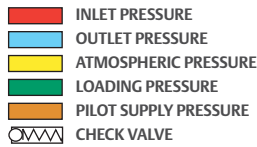
EMERSON

Operational Schematics

SOLENOID VALVE

M1213_1

TYPE OSE SCHEMATIC

TYPE PRX

TYPE SA/2

S

R   M

L   B   V

A

E0939_1

TYPE OS2 INTEGRATED INTO THE TYPE EZH REGULATOR

■ INLET PRESSURE	
■ OUTLET PRESSURE	
■ ATMOSPHERIC PRESSURE	
■ LOADING PRESSURE	
■ PILOT SUPPLY PRESSURE	
▨ CHECK VALVE	

Specifications

- **Body Sizes:** NPS 1, 2, 3, 4, 6, 8 and 10 / DN 25, 50, 80, 100, 150, 200 and 250
- **End Connections:** NPT, CL125 FF, CL150 RF, CL250 RF, CL300 RF and CL600 RF
- **Inlet Pressure:** 1470 psig / 101 bar
- **Set Pressure Ranges:** 4 in. w.c. to 1058 psig / 10 mbar to 73 bar

- **Outlet Pressure:** 1470 psig / 101 bar
- **Maximum Shutoff Pressure Differential:** 1470 psig / 101 bar
- **Temperature Capabilities:** -22 to 176°F / -23 to 80°C
- **Pressure Registration:** External
- **Pressure Sensing Connection:** 1/4 NPT

EMERSON™