

# Low Differential Pressure Control



**FISHER™**

## EZL Series Pressure Reducing Regulators



### Introduction

Type EZL regulators are accurate pilot-operated, pressure balanced and soft seated regulators. They are designed for use in natural gas distribution applications such as district regulating stations and commercial/industrial meter sets.

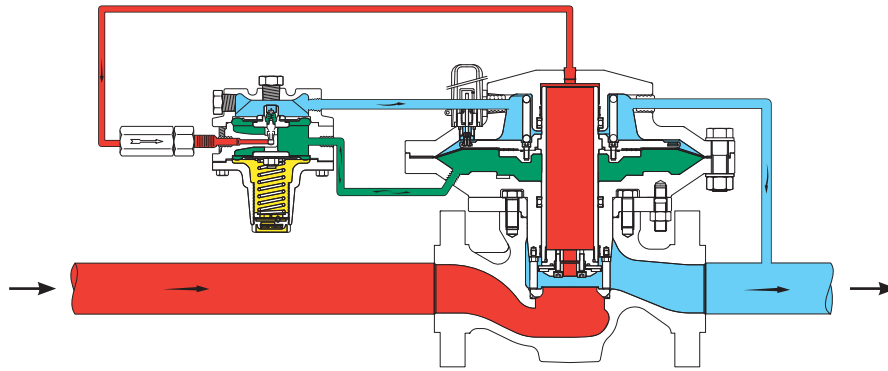
### Features

- **Low Differential Applications**—Can accurately control at pressure differentials as low as 2.9 psid / 0.2 bar d
- **Bubble-Tight Shutoff**—A knife-edged metal plug and soft seat provide bubble tight shutoff for use in applications where positive shutoff is required such as dead-end systems.
- **No Atmospheric Bleed**—Eliminates nuisance and wasteful bleed gas to atmosphere by utilizing a self-contained control system, which bleeds 100% of the gas to the downstream system.
- **Easy In-Line Maintenance**—The light-weight top entry design enables trim parts to be inspected, cleaned and replaced without removing the body from pipeline.
- **Precise Pressure Control**—Provides stable and accurate downstream pressure control regardless of inlet pressure variations or demand changes.
- **High Corrosion Resistance**—Anodized casings provide excellent corrosion resistance even in below-grade installations
- **Full Pressure Rating**—The equal inlet and outlet pressure rating of 290 psig / 20 bar, which allows easier selection and requires no special startup or shutdown procedures.
- **Integral Slam Shut Configurations**—Type EZLOSX discontinues gas service by shutting the gas off if there is an overpressure or underpressure condition.



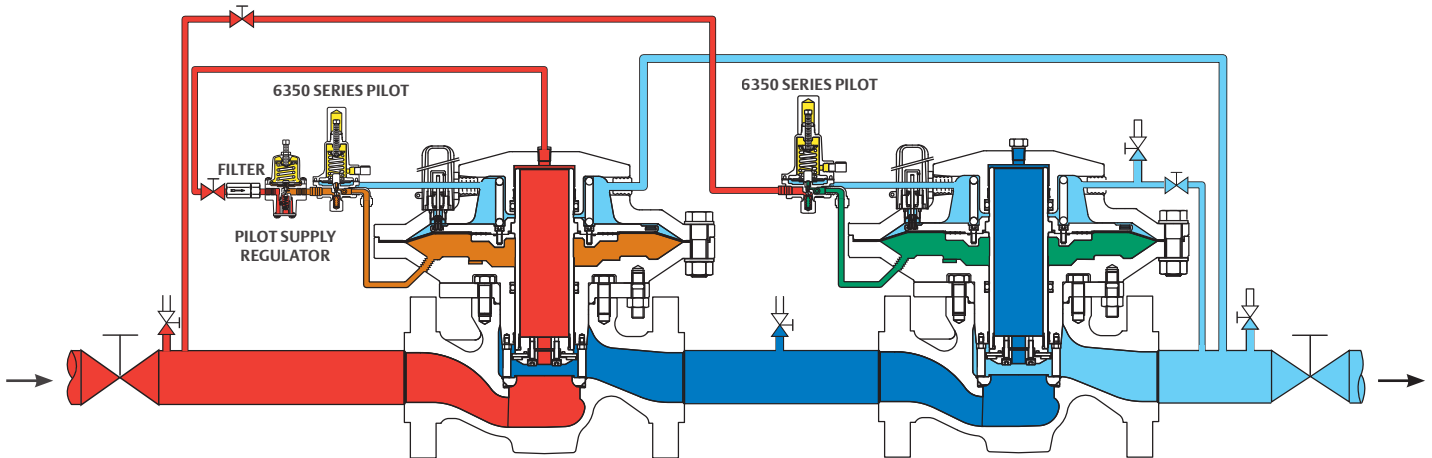
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# Operational Schematic



E0959\_1

STAND-ALONE TYPE EZL SCHEMATIC



M1264\_1

TYPE EZL WIDE-OPEN MONITOR SCHEMATIC

■ INLET PRESSURE  
■ OUTLET PRESSURE  
■ ATMOSPHERIC PRESSURE

■ LOADING PRESSURE  
■ INTERMEDIATE PRESSURE

■ PILOT SUPPLY PRESSURE  
 CHECK VALVE

## Specifications

### • Available Configurations:

- Type EZL: Control range of 7 in. w.c. to 300 psig / 17 mbar to 20.7 bar
- Type EZLOX: Type EZL with an integrated Type OS2 slam-shut device
- **Body Sizes:** NPS 2, 3, 4 / DN 50, 80, 100
- **End Connections:** NPT, CL125 FF, CL250 RF, CL150 RF, CL300 RF, BWE, SWE

- **Inlet Pressure:** 290 psig / 20 bar
- **Outlet Pressure Range:** 0.25 to 290 psig / 0.02 to 20 bar
- **Outlet (Casing) Pressure:** 290 psig / 20 bar
- **Emergency Casing Pressure:** 290 psig / 20 bar
- **Temperature Capabilities:** -20° to 180°F / -29° to 82°C
- **Pressure Registration:** External

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