

## ACV Schematic

# LEAD FREE\*

## LFPV10T (Globe) Pressure Reducing Control Valve

### Features

- Throttles to reduce high upstream pressure to constant lower downstream pressure
- Reducing setpoint is adjustable

### Standard Components

- 1—Main Valve (Single Chamber)
- 2—Pressure Reducing Control
- 3—Fixed Orifice
- X—Isolation Cocks

### Options and Accessories

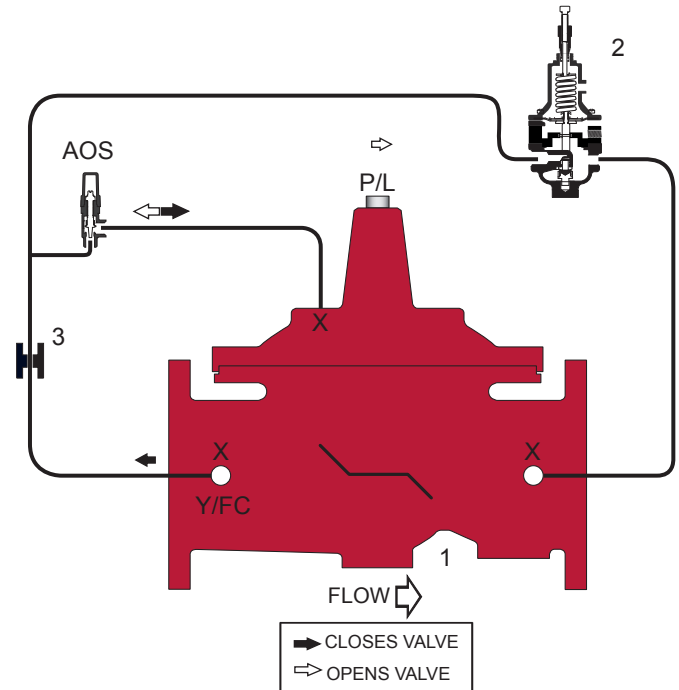
- FC Flo-Clean Strainer (Standard 1¼" – 4")
- Y Y-Strainer (Replaces Flo-Clean)
- ACS Adjustable Closing Speed (Replaces Fixed Orifice)
- AOS Adjustable Opening Speed (Standard 1¼" – 4")
- P Position Indicator
- L Limit Switch

### Operation

The ACV Pressure Reducing Control Valve is designed to automatically reduce a fluctuating higher upstream pressure to a constant lower downstream pressure regardless of varying flow rates. It is controlled by a normally open, pressure reducing pilot designed to:

- 1) Open (allowing fluid out of the main valve cover chamber) when downstream pressure is below the adjustable setpoint, and
- 2) Close (allowing fluid to fill the main valve cover chamber) when downstream pressure is above the adjustable setpoint.

A decrease in downstream pressure causes the valve to modulate toward an open position, raising downstream pressure. An increase in downstream pressure causes the valve to modulate toward a closed position, lowering downstream pressure.



\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

### NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

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