ACV Schematic

LEAD FREE*

LF930-01GD (Globe)

Solenoid (On-Off) Control Valve with Hydraulic Check Feature (4" and Smaller)

Features

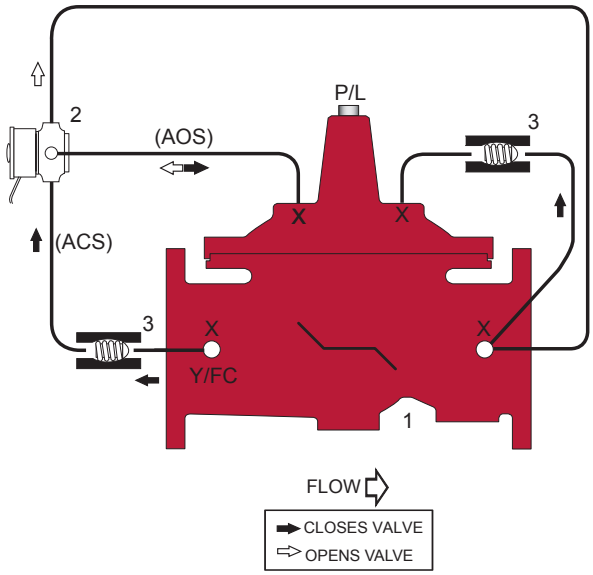
- Electrically operated on / off (open / closed) valve
- Normally Open or Closed operation
- Hydraulic Check Feature prevents flow reversal
- Solenoid equipped with Manual Operator

Standard Components

1 - Main Valve (905GD - Single Chamber)
2 - 3-Way Solenoid
3 - Check Valve
X - Isolation Cocks

Options and Accessories

- ○ FC - Flo-Clean Strainer
- ○ Y - Y-Strainer (Replaces Flo-Clean)
- ○ ACS - Adjustable Closing Speed
- ○ AOS - Adjustable Opening Speed
- ○ P – Position Indicator
- ○ L – Limit Switch



Operation

The ACV Solenoid On-Off Control Valve with Hydraulic Check Feature is designed to open fully or close drip-tight as commanded by the 3-Way Solenoid Pilot, and close drip-tight when downstream pressure becomes greater than upstream pressure. The Solenoid Pilot commands the routing of fluid and pressure into and out of the cover chamber of the main valve. When the Solenoid Pilot connects the cover chamber of the valve to upstream pressure, the valve closes drip tight. When the Solenoid Pilot connects the cover chamber of the valve to downstream pressure (dry drain) or atmosphere (wet drain), the valve opens fully. Engaging the Solenoid Manual operator simulates power to the solenoid, manually controlling the main valve. Disengaging the Solenoid Manual operator returns the valve to electrical on-off service.

If downstream pressure becomes greater than upstream pressure, downstream pressure is admitted to the main valve cover chamber, closing the valve and preventing reversal of flow. Normal On-Off operation resumes when upstream pressure exceeds downstream pressure.

Specify voltage and MAIN VALVE actuation (energize to open or close), and “wet” or “dry” drain PRIOR to ordering.

***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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