

Pressure Sensors

Compact Block & Bleed Universally Ported Pilots

1-1/4" SENSOR, HIGH/LOW RANGE 30-230 PSI, 6,000 PSI MAX PRESSURE

PANEL MOUNT

Model 72KS125



Conforms to the SEP category of the European Pressure Equipment Directive
Issue No. 97/23/EC

The **72KS125** is a two position, three-way block and bleed (universally ported) pressure monitoring Flow Line Pilot. It can be connected to respond as either a High (rising/increasing) or Low (falling/decreasing) pressure sensing device. In the **Pressure Safety High (PSH)** application, the Pilot is designed to lose instrument supply output whenever the high-pressure setting is exceeded. Employed in the **Pressure Safety Low (PSL)** mode of operation, the pressure sensor will gain instrument supply output whenever the low-pressure setting is surpassed.

Three-way Block & Bleed Pilots are used to initiate safety valve closure and safeguard facilities upon detection of either an abnormal high or low process pressure. In other applications, they are used to start/stop control sequences within particular pressure range limits.

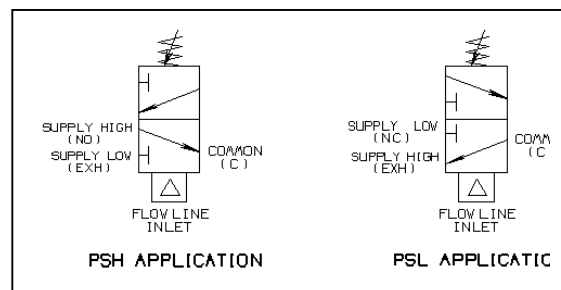
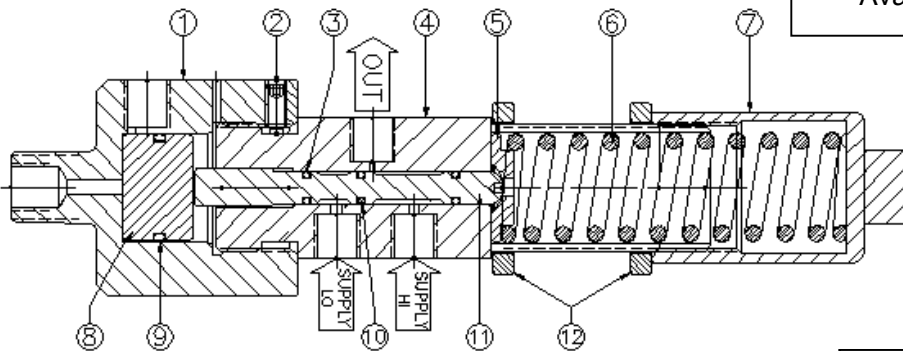
PARTS LIST:

- | | |
|-----------------|--------------------|
| 1. Lower Body | 7. Spring Adjuster |
| 2. Lock Screw | 8. Piston |
| 3. O Ring (2) * | 9. O Ring * |
| 4. Body | 10. O Ring * |
| 5. Spring Guide | 11. Plunger |
| 6. Spring | 12. Lock Nuts (2) |

* Indicates parts included in a Repair Kit

VALUE ADDED FEATURES:

- 316 SS Full Flow (Cv .97) Design
- Holds constant and accurate set points
- 1% +/- Repeatability on set points
- Minimum Dead Band Range between Trip & Reset Pressure
- Multi-ported & 360° Swivel Piston Sensor Base
- Panel Mount Lock Ring Standard
- Available Set Point Scale Option



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Sigma Model Number 72KS125

1-1/4" SENSOR, HIGH/LOW RANGE 30-230 PSI, 6,000 PSI MAX PRESSURE,
PANEL MOUNT

Product Specifications

Flow Control Application: Low Pilot (PSL) Normally Closed, High Pilot (PSH) Normally Open

Control Function: Three-Way (Block & Bleed)

Piston Sensor Size: 1-1/4" diameter

Adjustment Range Capability: 30 PSI to 230 PSI

Panel Mount: 1-1/2 Diameter

Control Ports Pressure: 150 PSI (10.34 bar) maximum

Flow Line: 6,000 PSI (413 bar) maximum

Seal Material: Viton

Instrument Supply Media (Control Ports): Pneumatic, Hydraulic

Instrument Supply Media (Flow Line): Process Fluids, Natural Gas, Hydraulic or Pneumatic

Connection Size: 1/4-18 Female N.P.T. Control Ports, 1/2-14 Male N.P.T. Flow Line connection

Component Material (Metal): 316 Stainless Steel

Cv Factor: .097

Weight: 5.5 Lbs.

Operating Temperature: -20° F to +250° F (-29° C to +121° C)

Overall Dimensions: 10 Height x 2-1/2 Diameter (25.40 cm Height x 6.35 cm Diameter)

Pressure Equipment Directive (PED): This product conforms to the SEP Category of the European P.E.D.

Shelf Position Port Status Pressure Safety High (PSH/PSHH)

Supply High Instrument Supply Open to Common Port

Common Outlet to receiving control circuit (Open to Supply High Port)

Supply Low Exhaust Port (Closed).

Shelf Position Port Status Pressure Safety Low (PSL/PSLL)

Supply Low Instrument Supply Closed to Common Port

Common Outlet to receiving control circuit (Open to Supply High)

Supply High Exhaust Port (Open to Exhaust)

Repair Kit Information

Repair Kits contain all of the Seals and other components typically replaced when repairing the assembly. In order to maintain optimum operating control function, Sigma recommends changing the Repair Kit items once every two (2) years.