Flowline Pilot Valve
Models PSV5A / PSV5E
Low / High or Combination Pressure Sensor

The pilot for rapid response and consistent set point

Features:
- High flow
- Narrow deadband < 10% of max. set point
- Block before bleed
- Compact design
- Economy version available
- Arctic service option to -50°C
### FEATURES:
- High flow Cv 0.1
- Narrow deadband < 10% of max. set point
- High stability
- PTFE compound high pressure seals
- Arctic Service type available
- NACE MR-01-75

### MECHANICAL:
- **Body**: Stainless steel 316L
- **Internal components**: Stainless steel 316L, CA104 aluminium bronze
- **Adjustable Knob**: Plastic
- **Springs**: Stainless steel 302S26, Nitrile and PTFE compound as standard. Alternative elastomers available for extreme conditions.
- **Seals**: Nitrile and PTFE compound as standard. Alternative elastomers available for extreme conditions.
- **Fasteners**: A4 18/10 316 stainless steel

### WORKING PRESSURE:
- **0 - 10 bar (0 - 145 psi) control pressure**
- **700 bar (10,150 psi) max, flowline pressure**

### CONNECTIONS:
- ½" NPT male / ¼" NPT female flowline as standard
- ¼" NPT female control lines

### TEMPERATURE RANGE:
See seal options

### WEIGHT:
- approx 1.5 kg (single)

### VALVE TYPE:
- 3 port, 2 position, Normally universal, Block Before Bleed

### MEDIA - CONTROLLED:
- Air, sweet and sour natural gases, bottled gases, mineral oils, water glycol mixtures

### MEDIA - SENSED:
- Air, sweet and sour gases, bottled gases, mineral oils, water glycol mixtures, crude oil

### SET POINT RELIABILITY:
+/-1%

### REPAIR KITS:

**PSV5X/0010/H’X’/X/RK**

Set point range code: 1 to 9
See selection chart

- **Seal material**
  - S - Nitrile
  - V - Viton
  - SA - Low Temperature Nitrile

**PSV5A**
Panel mount option with M25 locknut and adjustment knob available separately:
P/N: PSV5A/PM/M25

**PSV5E**
With Panel Mount Option

See seal options

**PSV5E**
- Normally Closed
- Port 1 - Supply
- Port 3 - Vent

**PSV5A**
- Normally Open
- Port 1 - Vent
- Port 3 - Supply
DUAL FLOWLINE PILOT :-

Reliability and Innovation in directional control valves

PSV5A
PSV5E

0010
10 bar

<table>
<thead>
<tr>
<th>Combination</th>
<th>Std</th>
<th>L Falling / Falling</th>
<th>H Rising / Rising</th>
<th>Max Working Flowline Pressure</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Control Pressure</td>
</tr>
<tr>
<td>L1 H1</td>
<td>H1</td>
<td>172</td>
<td>640</td>
<td>205</td>
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<tr>
<td>L2 H2</td>
<td>H2</td>
<td>70</td>
<td>360</td>
<td>100</td>
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<td>L3 H3</td>
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<td>70</td>
<td>270</td>
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<td>H4</td>
<td>30</td>
<td>170</td>
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<td>H5</td>
<td>25</td>
<td>95</td>
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<td>20</td>
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<td>20</td>
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<td>L7 H7</td>
<td>H7</td>
<td>8.6</td>
<td>28</td>
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<td>L8 H8</td>
<td>H8</td>
<td>3</td>
<td>16.5</td>
<td>4.5</td>
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<td>L9 H9</td>
<td>H9</td>
<td>2.5</td>
<td>10.5</td>
<td>3</td>
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</table>

04 1/4” NPT

32 3 way, 2 position

NU Normally Universal

S Nitrile (standard) (-30°C to +130°C)
V Viton (-20°C to +180°C)
SA Low Temperature Nitrile (-50°C to +40°C)

PSV5E / 0010 / H1 / 04 / 32 / NU / V - x (x - revision to be advised on order)
PSV5A / 0010 / L1 / H4 / 04 / 32 / NU / V - x
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