Overpressure Protector
Type 910.13

Applications

- Adjustable overpressure protectors are intended to protect pressure gauges against the effect of pressures exceeding their maximum pressure rating
- Stainless steel version for corrosive pressure media, even in corrosive ambience
- Process industry: mechanical engineering and plant construction, chemical/petro-chemical, power stations, mining, on- and offshore, environmental technology

Special Features

- 7 different setting ranges selectable
- Minimum pressure to 6 psi (0.4 bar)
- Maximum pressure to 8700 psi (600 bar)
- Overpressure safe up to 14,500 psi (1000 bar)
- Vacuum safe

Description

The overpressure protector consists of a spring loaded piston valve. Under normal pressure conditions the spring holds the valve open. When the system pressure exceeds the set pressure, the force exerted by the spring is overcome and the valve closes. The valve will remain closed until the system pressure drops approximately 25% below the closing pressure, whereupon the force of the spring will open the valve.

To change pressure setting:
- Turn adjusting screw clockwise ⇒ closing pressure higher
- Turn adjusting screw counter clockwise ⇒ closing pressure lower.

*Overpressure protectors must not be used as process control devices.

Standard Features

Pressure Connection
½” NPT male inlet, female outlet
Other threaded connection sizes available

Body
316Ti SS

Piston Valve
316Ti SS

O-Ring
FPM (Viton)

Operating Temperature (Media)
176 °F (80 °C maximum)

Certificates
Stainless steel over-pressure protectors come with NACE and 3.1 materials certificates

*Before/after adjusting, the set screw (lock screw) has to be opened/closed.
Optional Extras (by special order)
- Other thread connections: ¼" NPT, G1/4B and G1/2B
- Other materials: Brass, Monel® 400
- Oxygen service (oil and grease free)
- Mounted on pressure gauge with customer specifications, includes SS tag (note 2)
- Overpressure protector set to customer specifications, includes SS tag (note 2)

Selectable versions

<table>
<thead>
<tr>
<th>Range (bar)</th>
<th>0.4 to 2.5</th>
<th>2 to 6</th>
<th>5 to 25</th>
<th>20 to 60</th>
<th>50 to 250</th>
<th>240 to 400</th>
<th>400 to 600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range (psi)</td>
<td>6 to 35</td>
<td>30 to 85</td>
<td>85 to 365</td>
<td>290 to 870</td>
<td>725 to 3625</td>
<td>3500 to 5800</td>
<td>5800 to 8700</td>
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<td>Standard Part Number 1</td>
<td>50668765</td>
<td>2003741</td>
<td>2142735</td>
<td>52387917</td>
<td>52081729</td>
<td>50667882</td>
<td>50311115</td>
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<td>Factory Set Part Number 2</td>
<td>52815725</td>
<td>52313573</td>
<td>52290174</td>
<td>52732682</td>
<td>52409881</td>
<td>52591239</td>
<td>52850599</td>
</tr>
</tbody>
</table>

Note 1: Standard items do not come pre-set from factory.
Note 2: Items come pre-set from factory at 1.1 times of full scale, unless otherwise specified by customer.

Ordering Information
To order the described products, the 7 or 8 digit product number is sufficient. Optional extras required.