Applications
Over Range Protectors are used to prevent a gauge from being over pressured and damaged, once the pre-set pressure is reached the Over Range Protector will prevent any further pressure from entering the instrument.
Available in a range of materials to suit your requirement.

Standard Specification
- Over range protector designed to protect gauges instruments etc, from surges in pressure.
- Available in shut-off ranges from 0.4 bar to 400 bar. (HP range Available from 2.5 to 600 bar)
- Maximum inlet pressure 600 bar. (HP 700 bar)
- Bonnet locking pin - safely locks bonnet to body.
- Maximum temperature 80˚C, for ranges 0.4 - 2.5 bar and 110˚C, for ranges 2.5 - 400 bar.
- Can be supplied to NACE MR-01-75-Latest edition.
- Materials: 316 St.St., Monel, Hastelloy etc.
- Standard seals are Viton, alternatives are available. Please contact sales

How To Order

<table>
<thead>
<tr>
<th>Part No = HMORGP - Inlet Outlet Code F, M or L - Inlet Outlet Size - Material Code - Pressure Range Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example = HMORGPL8YL-M5 (HMORGP ½&quot; NPT Male, ½&quot; NPT Female, 316 St. St, 200 to 400 bar)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inlet Outlet Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>F = Female</td>
</tr>
<tr>
<td>M = Male</td>
</tr>
<tr>
<td>L = Male X Female</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inlet Outlet Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 = ¼ NPT</td>
</tr>
<tr>
<td>8 = ½ NPT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Material Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>YL = 316L Stainless Steel (UNS S31600 / S31603)</td>
</tr>
<tr>
<td>M = MONEL® 400 (UNS N04400)</td>
</tr>
<tr>
<td>HC = HASTELLOY® C-276 ® (UNS N10276)</td>
</tr>
<tr>
<td>D50 = SUPER DUPLEX (UNS S32760)</td>
</tr>
<tr>
<td>625 = INCONEL® 625 (UNS N06625)</td>
</tr>
<tr>
<td>825 = INCOLOY® 825 (UNS N08825)</td>
</tr>
<tr>
<td>6MO = SUPER AUSTENITIC ST.ST 6%Mo (UNS S31254)</td>
</tr>
<tr>
<td>TI = TITANIUM Gr.2 (UNS R50400)</td>
</tr>
</tbody>
</table>

Pressure Ranges

<table>
<thead>
<tr>
<th>Pressure Range Codes Low (600 bar)</th>
<th>Pressure Range Codes Std (600 bar)</th>
<th>Pressure Range Codes High (700 bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L = 0.4 to 2.5 bar</td>
<td>M1 = 2.5 to 6 bar</td>
<td>H1 = 2.5 to 6 bar</td>
</tr>
<tr>
<td>M2 = 6 to 20 bar</td>
<td>H2 = 6 to 20 bar</td>
<td></td>
</tr>
<tr>
<td>M3 = 20 to 70 bar</td>
<td>H3 = 20 to 70 bar</td>
<td></td>
</tr>
<tr>
<td>M4 = 70 to 200 bar</td>
<td>H4 = 70 to 200 bar</td>
<td></td>
</tr>
<tr>
<td>M5 = 200 to 400 bar</td>
<td>H5 = 200 to 400 bar</td>
<td></td>
</tr>
<tr>
<td>HP = 400 to 600 bar</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
HMORGP Over Range Pressure Gauge Protector

Specifications and dimensions in this leaflet, are subject to change without prior notice.
SELECT A TEST GAUGE WITH A RANGE SLIGHTLY HIGHER THAN THE SET POINT OF THE O.R.G.P. TO BE TESTED AND FIT TO THE OUTLET PORT.

(The flow direction is indicated by an arrow typed on the side of the main body, the outlet is always at the point of the arrow).

- Ensure the spring plug is set to the lowest set point i.e. screwed just inside the spring body.
- Set air pump pressure to higher than the set point required but lower than the maximum scale value of the test gauge.
- Close the exhaust valve on the air pump.
- Open the inlet on the air pump to allow pressure into the O.R.G.P.
- Adjust the spring plug until the required SET POINT is obtained; lock adjusting screw by fully tightening the grub screw in the adjusting screw.

NOTE: The tolerance of the SET POINT is +25% to -0 of set point.

- Test the SET POINT by pressurising the O.R.G.P. this to be repeated successfully at least three times.
- Test the RESET point of the O.R.G.P. this MUST be within –25% of the SET POINT, i.e. the O.R.G.P. MUST open within –25% of the set point.
- After successful testing of the set point, the Test Gauge fitted to the O.R.G.P. is removed and replaced by a blanking plug.

HOKE, Inc
PO Box 4866
Spartanburg, SC 29305-4866
Phone: (864) 574-7966
Fax: (864) 587-5608

www.hoke.com
sales-hoke@circor.com

HOKE

Specifications and dimensions in this leaflet, are subject to change without prior notice.