



## HMORGP Over Range Pressure Gauge Protector

### 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
  - Standard seals are Viton, alternatives are available.
- Please contact sales**



Model-HMORGPL8YL-M5

### How To Order

**Part No** = HMORGP-**Inlet Outlet Code** F, M or L -**Inlet Outlet Size**-**Material Code**-**Pressure Range Code**

Example = HMORGPL8YL-M5 (HMORGP ½" NPT Male, ½" NPT Female, 316 St. St, 200 to 400 bar)

### Inlet Outlet Codes

L = Male X Female

### Inlet Outlet Size

8 = ½ NPT

### Material Codes

YL = 316L Stainless Steel (UNS S31600 / S31603)

M = MONEL® 400 (UNS N04400)

### Pressure Ranges

#### Pressure Range Codes Low (600 bar)

L = 0.4 to 2.5 bar

#### Pressure Range Codes Std (600 bar)

M1 = 2.5 to 6 bar

M2 = 6 to 20 bar

M3 = 20 to 70 bar

M4 = 70 to 200 bar

M5 = 200 to 400 bar

#### Pressure Range Codes High (700 bar)

H1 = 2.5 to 6 bar

H2 = 6 to 20 bar

H3 = 20 to 70 bar

H4 = 70 to 200 bar

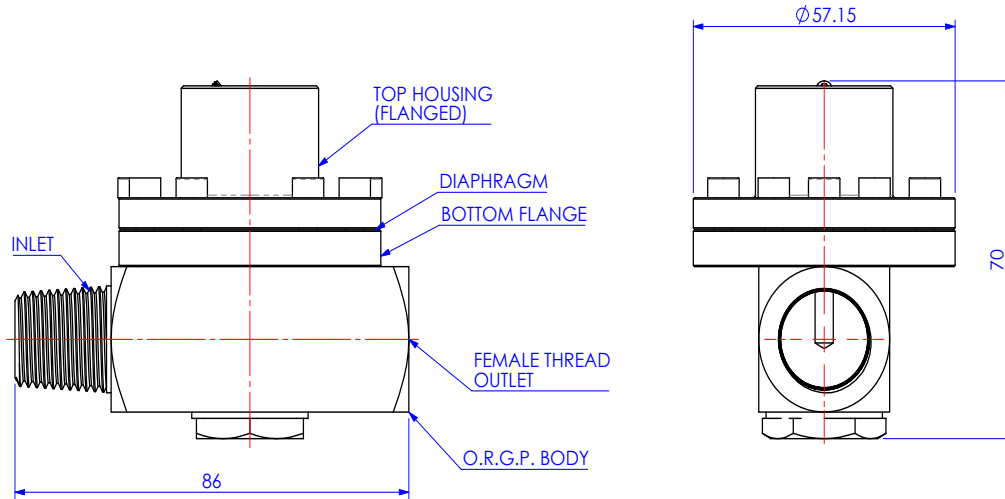
H5 = 200 to 400 bar

HP = 400 to 600 bar

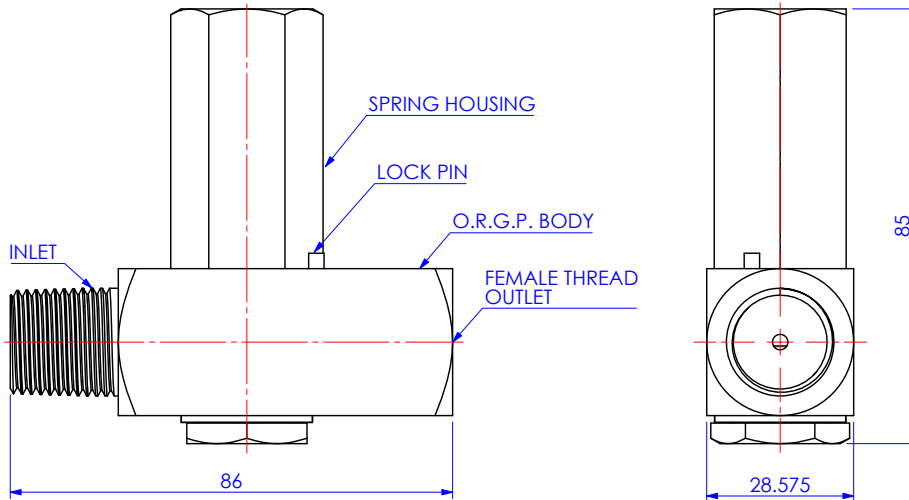


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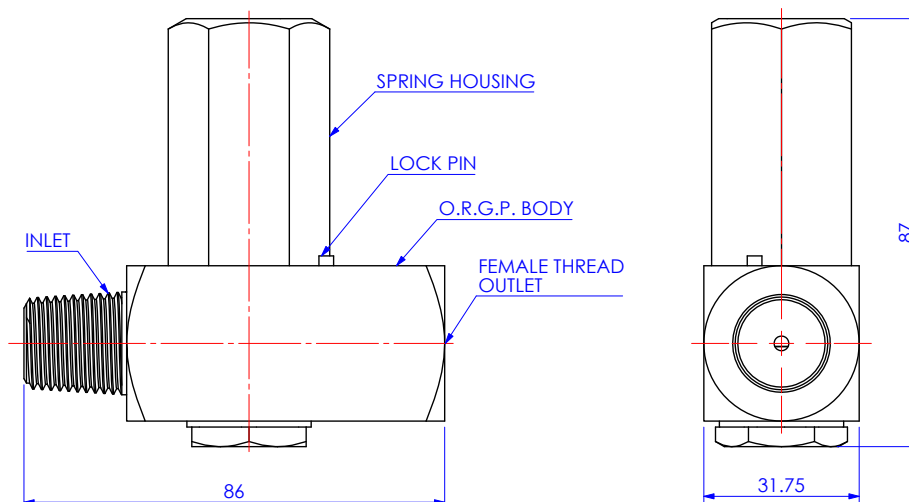
## Low Pressure



## Standard Pressure



## High Pressure



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## HMORGP Over Range Pressure Gauge Protector

### SETTING AND TESTING

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).

- Fit the O.R.G.P and Test Gauge to the AIR PUMP using the appropriate snap connector.
- 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.
- Test the SET POINT by pressurising the O.R.G.P. this to be repeated successfully at least three times.
- **NOTE:** The tolerance of the SET POINT is +25% to -0 of set point.
- 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.



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