

# Chemical Seal Pressure Gauges

Chemical seal pressure gauges are used essentially to isolate the pressure sensing device from the process fluid. Applications are found in various industries such as Chemical, Petrochemical, Oil Exploration, etc.

## Where isolation is essential

- A) Corrosive process fluid.
- B) Process fluid having sediments or is viscous.
- C) Process fluid has a tendency to solidify, freeze or crystallise at lower temperatures which may block the sensing element.
- D) Process fluid is hazardous.

The diaphragm seal transmits process pressure to the instrument through a diaphragm. The instrument side of the diaphragm is filled with appropriate fluid. As liquids are incompressible, pressure is hydraulically transmitted to the pressure sensing element.

Proper selection of diaphragm seal is important after reviewing the application.



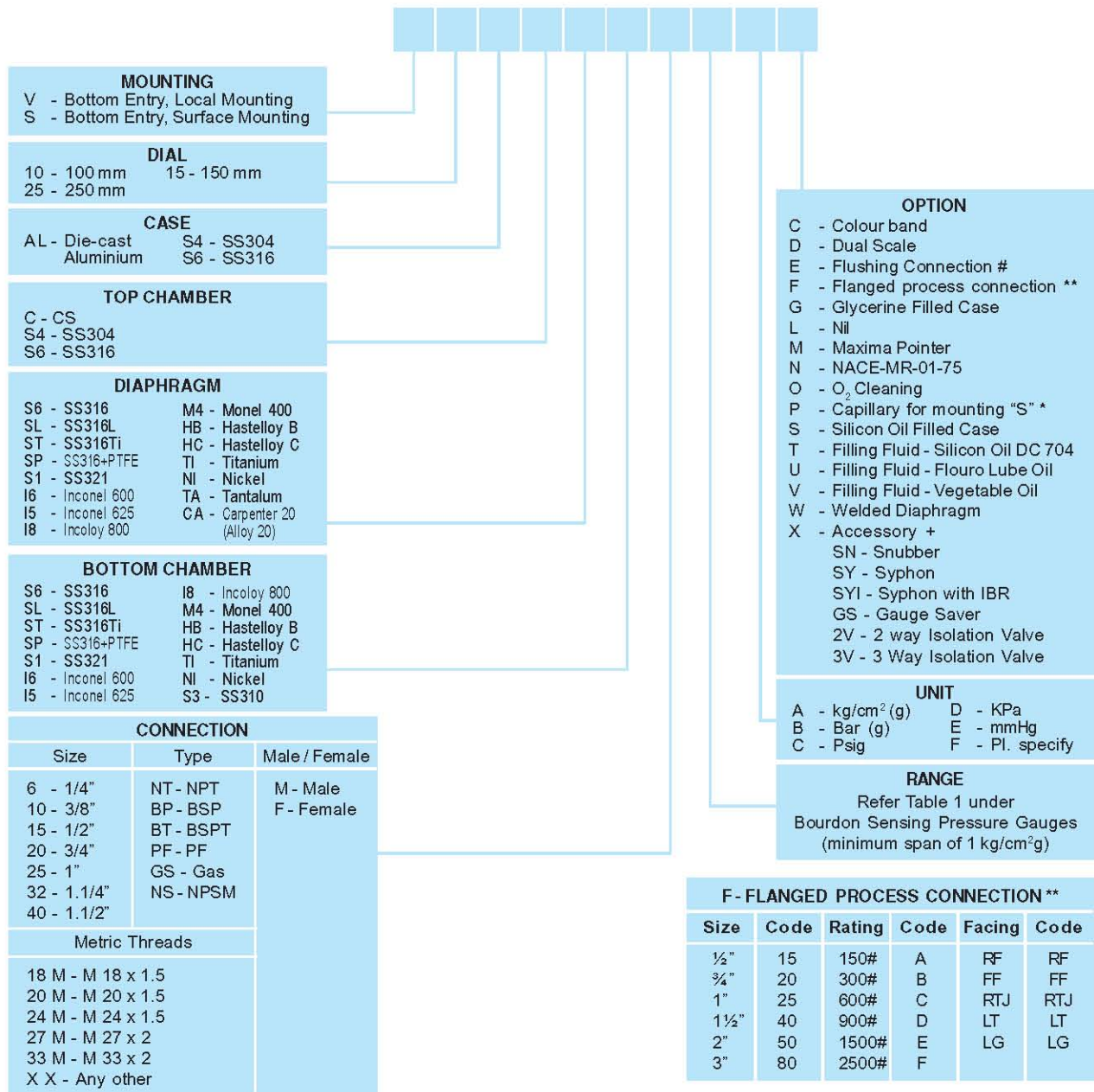
## Specifications

<b>Ref. standard</b>	: EN-837
<b>Range</b>	: 0-1 kg/cm <sup>2</sup> g and above
<b>Filled fluid</b>	: Silicone oil as a standard (Fluorolube, DC-704, etc. also can be offered)
<b>Top flange</b>	: CS/SS304/SS316
<b>Diaphragm</b>	: SS316, SS316 + PTFE, PTFE
<b>Bottom flange</b>	: SS 304/SS316/SS316L/SS 316 + PTFE
<b>Connection</b>	: Screwed / Flanged
<b>Optional</b>	: a) Flushing connection on bottom flange. b) 'I' section type chemical seal unit c) Capillary for remote sensing gauge d) Welded diaphragm construction
	<b>All other specification as Bourdon Sensing Pressure Gauges</b>

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## How to Order

### TYPE : PGCSU



\* Length of capillary to be specified in bracket e.g. P (3) i.e. 3 mtr. capillary  
\*\* For Flanged Process Connection refer the above table (mentioned separately)  
# Flushing connection not possible with PTFE lined bottom flange / PTFE block  
+ Specify size & material in the bracket eg. GS (Monel, 1/2" NPT(F) x 1/2" NPT(M))

Under Technical Collaboration with M/s. Gauges Bourdon, U.K.