

**Models-411, 412, 413, 414.**  
Mild Steel or Aluminium Case & Brass Internals

*Case*

- (a) Mild Steel. Stove enamelled finish.  
(b) Aluminium. Stove enamelled finish.

*Bezel*

Brass with Chrome Finish

*Socket + Element*

Low Pressure - Brass / Phosphor Bronze  
High Pressure - AISI 316 Stainless Steel

*Thread*

1/8", 1/4", 3/8", 1/2" NPT, BSP, BSPT

*Movement*

Brass

*Dial*

White Aluminium (Black Printing)

*Pointer*

Black Aluminium

*Window*

Sheet Glass

*Standard Size*

63, 100, 150, 200, 250, 300mm

*Accuracy class*

1%

*Scale Range*

63mm Vacuum to 1,000 bar  
100, 150mm Vacuum to 3,500 bar

*Ordering information*

State:- Pressure gauge model  
/ Nominal size / Scale range  
/ Size and location of connection / Optional extras reqd.

*Optional extras*

White plastic dial (Black Printing).  
Micro adjustable pointer / Black Finish.  
Other pressure connections (including high pressure).  
Monel to Nace MR-01-75 wetted parts.  
Laminated safety glass / Perspex window.  
Customer logo.  
Vibrageauge®

**Further options: on request**



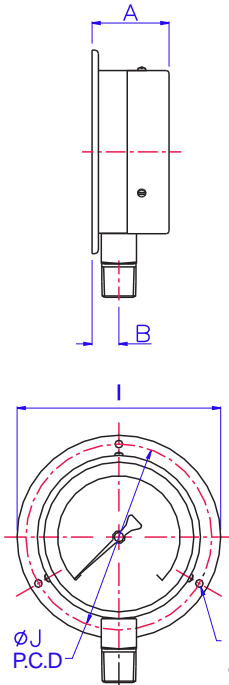
Model - 412

We manufacture a wide range of instruments to customer's special requirements  
We shall be pleased to discuss and advise on your specifications.

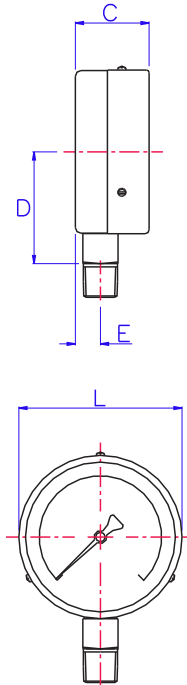
Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.  
Engineering modifications may take place without prior notice.

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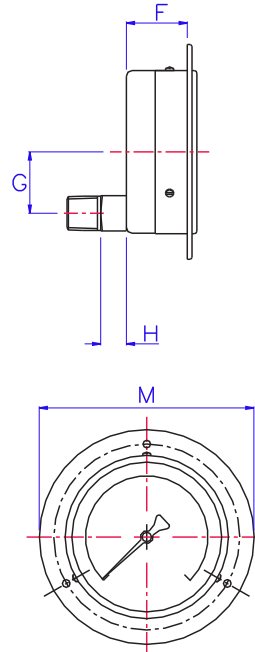
Surface Mounted  
Model - 411



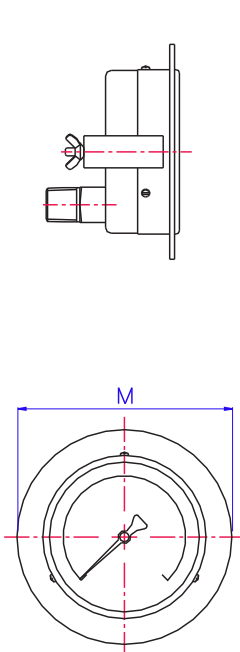
Direct Mounted  
(Standard)  
Model - 412



Flush Mounted  
Screw Fixing  
Model - 413



Flush Mounted  
Clamp Fixing  
Model - 414



| Dimensions<br>Diameter | A  | B  | C    | D   | E  | F  | G  | H    | I   | J   | K   | L   | M   | Panel<br>Cut-out |
|------------------------|----|----|------|-----|----|----|----|------|-----|-----|-----|-----|-----|------------------|
| 63                     | 37 | 12 | 37   | 42  | 12 | 31 | 20 | 12.5 | 90  | 76  | 4   | 65  | 90  | 70               |
| 100                    | 50 | 19 | 45   | 70  | 14 | 39 | 32 | 18.5 | 127 | 116 | 5   | 103 | 134 | 112              |
| 150                    | 50 | 19 | 45   | 93  | 14 | 39 | 32 | 18.5 | 178 | 168 | 5   | 152 | 185 | 165              |
| 200                    | 54 | 18 | 52.5 | 122 | 17 | 46 | 52 | 16   | 235 | 221 | 5.5 | 204 | 239 | 215              |
| 250                    | 55 | 17 | 55   | 148 | 17 | 49 | 52 | 16   | 290 | 273 | 6.5 | 256 | 302 | 270              |
| 300                    | 56 | 17 | 56   | 173 | 17 | 51 | 52 | 16   | 346 | 325 | 6.5 | 306 | 369 | 330              |