



1. Optional Front Flange  
2. Optional Back Flange

**Description & Features:**

- High quality, commercial grade gauge at an economical price
- $\pm 1\%$  accuracy
- Steel and aluminum cases
- Brass wetted parts
- ASME B40.100 compliant (EN837-1 available)
- CRN registered
- 5 year warranty

**Applications:**

- Commercial installations, plumbing, heating and cooling

**Specifications**

|                                    |                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dial</b>                        | 3.5" (90mm), 4" (100mm), 4.5" (115mm), 6" (150mm) white aluminum with black and red markings                                                                                                                                                                                                                                                                         |
| <b>Case</b>                        | 3.5" (90mm), 4" (100mm): Steel painted black<br>4.5" (115mm): Aluminum<br>6" (150mm) Bottom: Steel painted black<br>6" (150mm) Back: Aluminum                                                                                                                                                                                                                        |
| <b>Lens</b>                        | 3.5" (90mm), 4.5" (115mm) Bottom connection, 6" (150mm): Glass<br>4" (100mm), 4.5" (115mm) Back connection: Polycarbonate                                                                                                                                                                                                                                            |
| <b>Ring</b>                        | 3.5" (90mm), 4" (100mm), 4.5" (115mm) Bottom connection: Polished brass<br>6" (150mm) Bottom connection: Steel painted black<br>4.5" (115mm) Back connection, 6" (150mm) back connection: SS, polished                                                                                                                                                               |
| <b>Socket</b>                      | Brass                                                                                                                                                                                                                                                                                                                                                                |
| <b>Connection</b>                  | 1/4" NPT standard                                                                                                                                                                                                                                                                                                                                                    |
| <b>Bourdon Tube</b>                | Phosphor bronze                                                                                                                                                                                                                                                                                                                                                      |
| <b>Pointer</b>                     | Black aluminum                                                                                                                                                                                                                                                                                                                                                       |
| <b>Welding</b>                     | Silver alloy                                                                                                                                                                                                                                                                                                                                                         |
| <b>Over-pressure Limit</b>         | 25% of full scale value                                                                                                                                                                                                                                                                                                                                              |
| <b>Working Pressure</b>            | Maximum 75% of full scale value                                                                                                                                                                                                                                                                                                                                      |
| <b>Ambient/Process Temperature</b> | -40°F to 200°F (-40°C to 93°C)                                                                                                                                                                                                                                                                                                                                       |
| <b>Accuracy</b>                    | $\pm 1\%$ ANSI/ASME Grade 1A                                                                                                                                                                                                                                                                                                                                         |
| <b>Enclosure Rating</b>            | IP52                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Warning</b>                     |  <b>WARNING:</b> This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> . |

**Order Codes (products in bold are normally stock in North America)**  
**(products in italics are normally available in 3 - 5 days)**

| Dial Size         | 3.5" (90mm)   |               | 4" (100mm) | 4.5" (115mm)  |               | 6" (150mm)    |            |
|-------------------|---------------|---------------|------------|---------------|---------------|---------------|------------|
| Case Material     | Steel         |               |            | Aluminum      |               | Steel         | Aluminum   |
| Connection        | Bottom        | Centre Back   |            | Bottom        | Lower Back    | Bottom        | Lower Back |
| 30" Hg Vac/kPa    | P1S234        | <i>P1S560</i> | P1S460     | P1S410        | <i>P1S430</i> | P1S250        | P1S475     |
| 30"/0/15 psi/kPa  | P1S230        | <i>P1S568</i> | P1S468     | P1S411        | <i>P1S431</i> | P1S251C       | P1S476     |
| 30"/0/30 psi/kPa  | P1S231        | <i>P1S569</i> | P1S469     | P1S412        | <i>P1S432</i> | P1S252C       | P1S477     |
| 30"/0/60 psi/kPa  | <b>P1S232</b> | <i>P1S570</i> | P1S470     | P1S413        | <i>P1S433</i> | P1S259C       | P1S478     |
| 30"/0/100 psi/kPa | P1S233        | <i>P1S571</i> | P1S471     | P1S414        | <i>P1S434</i> | P1S253C       | P1S479     |
| 30"/0/160 psi/kPa | <b>P1S229</b> | <i>P1S572</i> | P1S472     | P1S416        | <i>P1S436</i> | P1S254C       | P1S480     |
| 30"/0/200 psi/kPa | -             | <i>P1S573</i> | -          | P1S417        | <i>P1S437</i> | P1S255C       | P1S481     |
| 30"/0/300 psi/kPa | P1S227        | <i>P1S574</i> | P1S473     | P1S418        | <i>P1S438</i> | P1S256C       | P1S482     |
| 0/15 psi/kPa      | P1S228        | <i>P1S561</i> | P1S461     | P1S419        | <i>P1S439</i> | -             | -          |
| 0/30 psi/kPa      | P1S235        | <i>P1S562</i> | P1S462     | <b>P1S420</b> | <i>P1S440</i> | <b>P1S251</b> | P1S483     |
| 0/60 psi/kPa      | P1S236        | <i>P1S563</i> | P1S463     | P1S421        | <i>P1S441</i> | P1S252        | P1S484     |
| 0/100 psi/kPa     | <b>P1S237</b> | <b>P1S564</b> | P1S464     | <b>P1S422</b> | <i>P1S442</i> | P1S253        | P1S485     |
| 0/160 psi/kPa     | <b>P1S238</b> | <i>P1S565</i> | P1S465     | P1S423        | <i>P1S443</i> | P1S254        | P1S486     |
| 0/200 psi/kPa     | <b>P1S239</b> | <i>P1S566</i> | P1S466     | P1S424        | <i>P1S444</i> | <b>P1S255</b> | P1S487     |
| 0/300 psi/kPa     | <b>P1S240</b> | <i>P1S567</i> | P1S467     | <b>P1S426</b> | <i>P1S446</i> | P1S256        | P1S488     |
| 0/600 psi/kPa     | -             | -             | -          | P1S490        | -             | -             | -          |
| 0/1,000 psi/kPa   | -             | -             | -          | P1S491        | -             | -             | -          |
| 0/3,000 psi/kPa   | -             | -             | -          | P1S492        | -             | -             | -          |
| 0/5,000 psi/kPa   | -             | -             | -          | P1S493        | -             | -             | -          |

Other ranges and connection sizes available upon request. For scale change, refer to How to Order Guide for scale codes.

**For options, attach suffix to end of order code: i.e. P1S420-45QBF for BACK FLANGE.**

#### Option suffix:

35QBF = 3.5" (90mm) Back flange

4QBF = 4" (100mm) Back flange

45QBF = 4.5" (115mm) Back flange

6QBF = 6" (150mm) Back flange

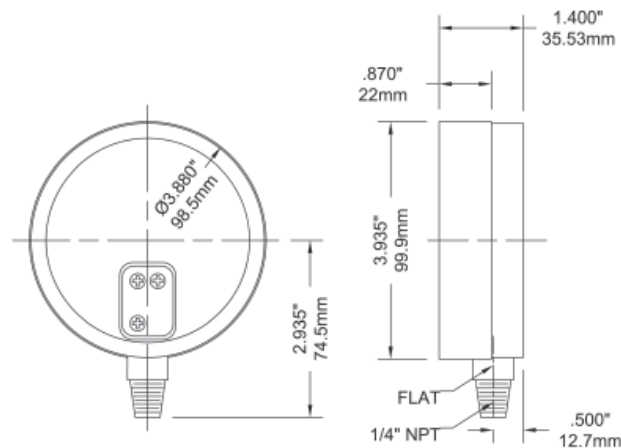
EN = EN837-1 compliant

MAXI45 = 4.5" (115mm) Maxi pointer

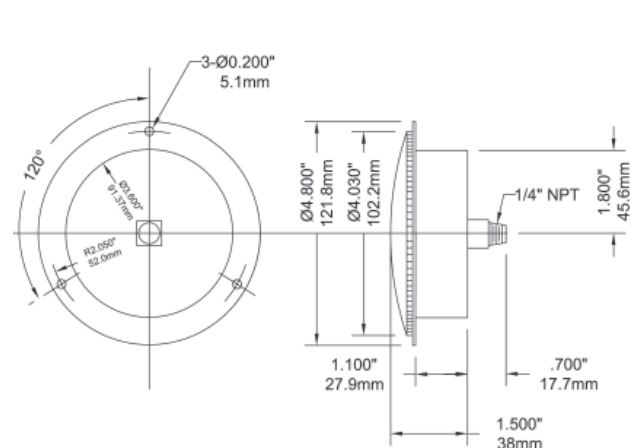
MAXI6 = 6" (150mm) Maxi pointer

Note: Syphon recommended for all steam applications

### 3.5" Bottom Connection

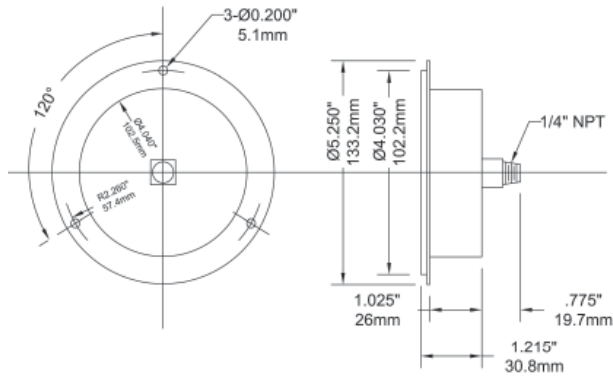


### 3.5" Back Connection

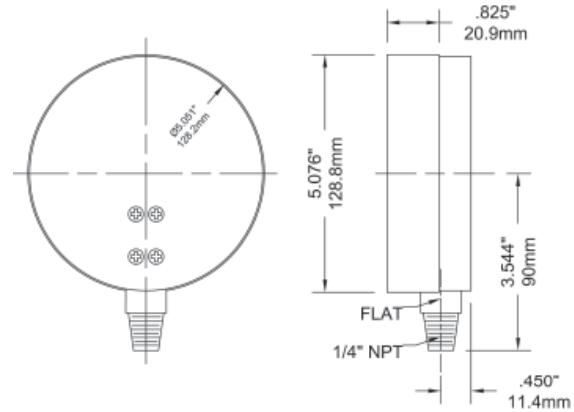


Front flange is a standard integral part of the 3.5" back connection case

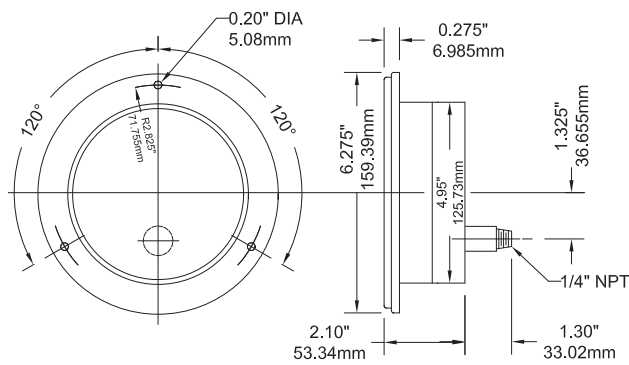
## 4" Centre Back Connection



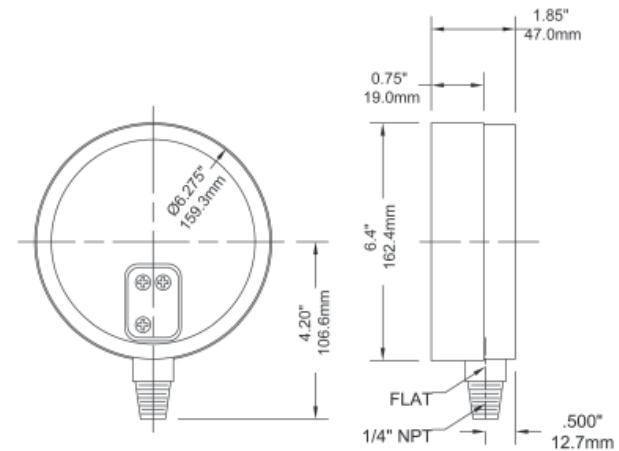
## 4.5" Bottom Connection



## 4.5" Lower Back Connection



## 6" Bottom Connection



## 6" Back Connection with Front Flange

