

# 100mm Dia. Pressure Gauges

## Reservoir Equipment

### Specification



#### Construction:

Case: BS 304 S15 stainless steel.  
 Window: Acrylic.  
 Movement: Brass.  
 Dial: White aluminium.  
 Pointer: Black aluminium.

**Liquid filling:**  
 Glycerine 98%.

**Working pressure:**  
 Full scale value.

**Process temperature range:**  
 -20°C to +60°C maximum.

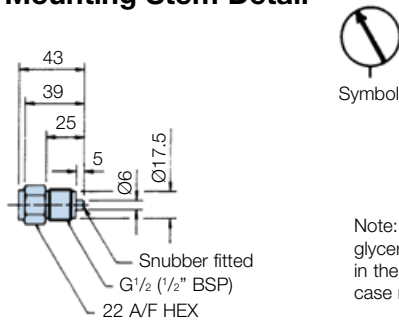
**Accuracy:**  
 1.0% FSD.

**Wetted parts connector:**  
 Copper alloy.

**Bourdon tube:**  
 < 100 bar = Cu alloy, c-type, soft soldered.  
 > 100 bar = stainless steel 1.4571, helical type, brazed.

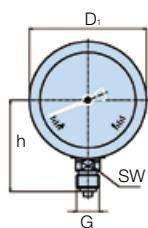
**IP Class:**  
 IP65.

### Mounting Stem Detail

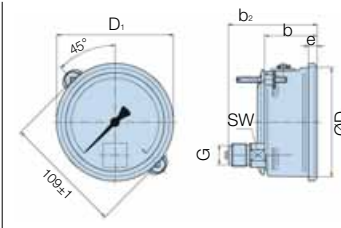


### Installation Details

#### Bottom Connection



#### Panel Mounting (Lower Back)



#### Dimensions (mm)

| a    | b | D <sub>1</sub> | D <sub>2</sub> | e   | G | h                             | SW | Weight |      |
|------|---|----------------|----------------|-----|---|-------------------------------|----|--------|------|
| ±0.5 |   | 48             | 107            | 100 | 8 | G <sup>1</sup> / <sub>2</sub> | 87 | 22     | 0.80 |

#### Bottom Connection

#### Dimensions (mm)

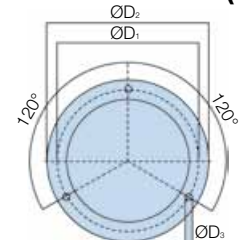
| b    | b <sub>2</sub> | D <sub>1</sub> | D <sub>2</sub> | e   | G | SW                            | Weight |      |
|------|----------------|----------------|----------------|-----|---|-------------------------------|--------|------|
| ±0.5 |                | ±1             | 107            | 100 | 8 | G <sup>1</sup> / <sub>2</sub> | 22     | 0.80 |

#### Panel Mounting (Lower Back)

Note 1: Panel cut-out 102 ±1.0

Note 2: 13mm on the outside radius required to allow for fixing clamp.

#### Panel Mounted (3-hole flange)



Note 1: Gauge dimensions as for panel mounting option above with flange as shown below.

Note 2: Panel cut-out for 3-hole mounting 104 ±0.5.

#### Dimensions (mm)

| D <sub>1</sub> | D <sub>2</sub> | D <sub>3</sub> |
|----------------|----------------|----------------|
| 116            | 132            | 4.8            |

### Ordering Information

#### Bottom Connection

| Part number        | Supersedes    | Pressure range | Connector type                       |
|--------------------|---------------|----------------|--------------------------------------|
| <b>PGB1001250</b>  | PGB.1001.250  | 0-250 bar      | G <sup>1</sup> / <sub>2</sub> Bottom |
| <b>PGB1001400</b>  | PGB.1001.400  | 0-400 bar      | G <sup>1</sup> / <sub>2</sub> Bottom |
| <b>PGB1001010</b>  | PGB.1001.010  | 0-10 bar       | G <sup>1</sup> / <sub>2</sub> Bottom |
| <b>PGB1001016</b>  | PGB.1001.016  | 0-16 bar       | G <sup>1</sup> / <sub>2</sub> Bottom |
| <b>PGB1001025</b>  | PGB.1001.025  | 0-25 bar       | G <sup>1</sup> / <sub>2</sub> Bottom |
| <b>PGB1001040</b>  | PGB.1001.040  | 0-40 bar       | G <sup>1</sup> / <sub>2</sub> Bottom |
| <b>PGB1001060</b>  | PGB.1001.060  | 0-60 bar       | G <sup>1</sup> / <sub>2</sub> Bottom |
| <b>PGB1001100</b>  | PGB.1001.100  | 0-100 bar      | G <sup>1</sup> / <sub>2</sub> Bottom |
| <b>PGB1001160</b>  | PGB.1001.160  | 0-160 bar      | G <sup>1</sup> / <sub>2</sub> Bottom |
| <b>PGB1001600</b>  | PGB.1001.600  | 0-600 bar      | G <sup>1</sup> / <sub>2</sub> Bottom |
| <b>PGB10011000</b> | PGB.1001.1000 | 0-1000 bar     | G <sup>1</sup> / <sub>2</sub> Bottom |

#### Panel Mounting

| Part number        | Supersedes    | Pressure range | Connector type                      |
|--------------------|---------------|----------------|-------------------------------------|
| <b>PGE1001010</b>  | PGE.1001.010  | 0-10 bar       | G <sup>1</sup> / <sub>2</sub> Panel |
| <b>PGE1001016</b>  | PGE.1001.016  | 0-16 bar       | G <sup>1</sup> / <sub>2</sub> Panel |
| <b>PGE1001025</b>  | PGE.1001.025  | 0-25 bar       | G <sup>1</sup> / <sub>2</sub> Panel |
| <b>PGE1001040</b>  | PGE.1001.040  | 0-40 bar       | G <sup>1</sup> / <sub>2</sub> Panel |
| <b>PGE1001060</b>  | PGE.1001.060  | 0-60 bar       | G <sup>1</sup> / <sub>2</sub> Panel |
| <b>PGE1001100</b>  | PGE.1001.100  | 0-100 bar      | G <sup>1</sup> / <sub>2</sub> Panel |
| <b>PGE1001160</b>  | PGE.1001.160  | 0-160 bar      | G <sup>1</sup> / <sub>2</sub> Panel |
| <b>PGE1001250</b>  | PGE.1001.250  | 0-250 bar      | G <sup>1</sup> / <sub>2</sub> Panel |
| <b>PGE1001400</b>  | PGE.1001.400  | 0-400 bar      | G <sup>1</sup> / <sub>2</sub> Panel |
| <b>PGE1001600</b>  | PGE.1001.600  | 0-600 bar      | G <sup>1</sup> / <sub>2</sub> Panel |
| <b>PGE10011000</b> | PGE.1001.1000 | 0-1000 bar     | G <sup>1</sup> / <sub>2</sub> Panel |

#### Panel Mounted (3-hole flange)

| Part number       | Supersedes    | Pressure range | Connector type                             |
|-------------------|---------------|----------------|--|
| <b>PGF1001250</b> | PGF.1001.250  | 0-250 bar      | G <sup>1</sup> / <sub>2</sub> Panel Flange |
| <b>PGF1001400</b> | PGF.1001.400  | 0-400 bar      | G <sup>1</sup> / <sub>2</sub> Panel Flange |
| PGF1001010        | PGF.1001.010  | 0-10 bar       | G <sup>1</sup> / <sub>2</sub> Panel Flange |
| PGF1001016        | PGF.1001.016  | 0-16 bar       | G <sup>1</sup> / <sub>2</sub> Panel Flange |
| PGF1001025        | PGF.1001.025  | 0-25 bar       | G <sup>1</sup> / <sub>2</sub> Panel Flange |
| PGF1001040        | PGF.1001.040  | 0-40 bar       | G <sup>1</sup> / <sub>2</sub> Panel Flange |
| PGF1001060        | PGF.1001.060  | 0-60 bar       | G <sup>1</sup> / <sub>2</sub> Panel Flange |
| PGF1001100        | PGF.1001.100  | 0-100 bar      | G <sup>1</sup> / <sub>2</sub> Panel Flange |
| PGF1001160        | PGF.1001.160  | 0-160 bar      | G <sup>1</sup> / <sub>2</sub> Panel Flange |
| PGF1001600        | PGF.1001.600  | 0-600 bar      | G <sup>1</sup> / <sub>2</sub> Panel Flange |
| PGF10011000       | PGF.1001.1000 | 0-1000 bar     | G <sup>1</sup> / <sub>2</sub> Panel Flange |

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.

Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

\*Note 3: Any subsequent changes to gauge accuracy will be notified.