

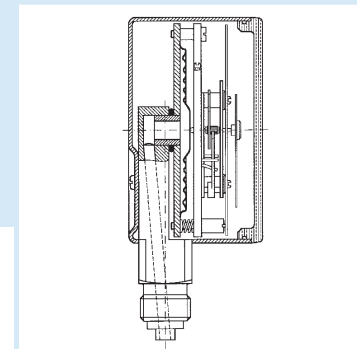
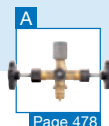
# Standard capsule pressure gauges



EN 837-3



- With zero correction
- Optional overpressure or underpressure safety 10 x FSD
- Extremely low measuring range from 0/6 mbar
- GOSSTANDART-certified



**Application** For gaseous, dry media which do not attack copper alloys.

! For measuring gas or vapour, these gauges must be used in accordance with the table "Selection Criteria as per EN 837-2" (see appendix)!

## Technical specifications

### Type

D 4

### Nominal size

63 – 100 – 160

### Accuracy class (EN 837-3/6)

1.6

### Ranges (EN 837-3/5)

NG 63-100 0/25 to 0/1000 mbar

NG 160 0/6 to 0/1000 mbar

and all corresponding vacuum and compound ranges with overpressure protection

### Application area

Static load: full scale value

Dynamic load: 0.9 x full scale value

Overload safety: 1.3 x full scale value

### Operating temperature range

Medium:  $T_{max} = +60\text{ °C}$

Ambient:  $T_{min} = -20\text{ °C}$

$T_{max} = +60\text{ °C}$

### Temperature performance

Indication error when the temperature of the measuring system deviates from the normal temperature of  $+20\text{ °C}$ :

rising temperature approx.  $\pm 0.6\text{ %}/10\text{ K}$

falling temperature approx.  $\pm 0.6\text{ %}/10\text{ K}$  of full scale value

### Degree of protection

NG 63-80: IP 32 (EN 60529)

NG 100: IP 44 (EN 60529)

## Standard version

### Connection

Brass, bottom or centre back

NG 63 G $\frac{1}{4}$ B – spanner size SW 14

NG 100 – 160 G $\frac{1}{2}$ B – spanner size SW 22

(EN 837-3/7.3)

### Measuring element

Capsule element, CuBe alloy

### Movement

Brass

### Zero correction

From the front

### Seal

NBR (Perbunan)

### Dial

Aluminium, white

Dial marking black

### Pointer

Aluminium, black

### Housing

Stainless steel 304

### Bayonet type bezel

Stainless steel 304

### Window

Instrument glass

## Options

- Overpressure safety 10 x FSD
- Back flange
- Panel mounting bezel, with window, plastic
- 3-hole fixing, panel mounting bezel with window, plastic
- Damping screw
- Reference pointer
- Special scales
- Other process connections

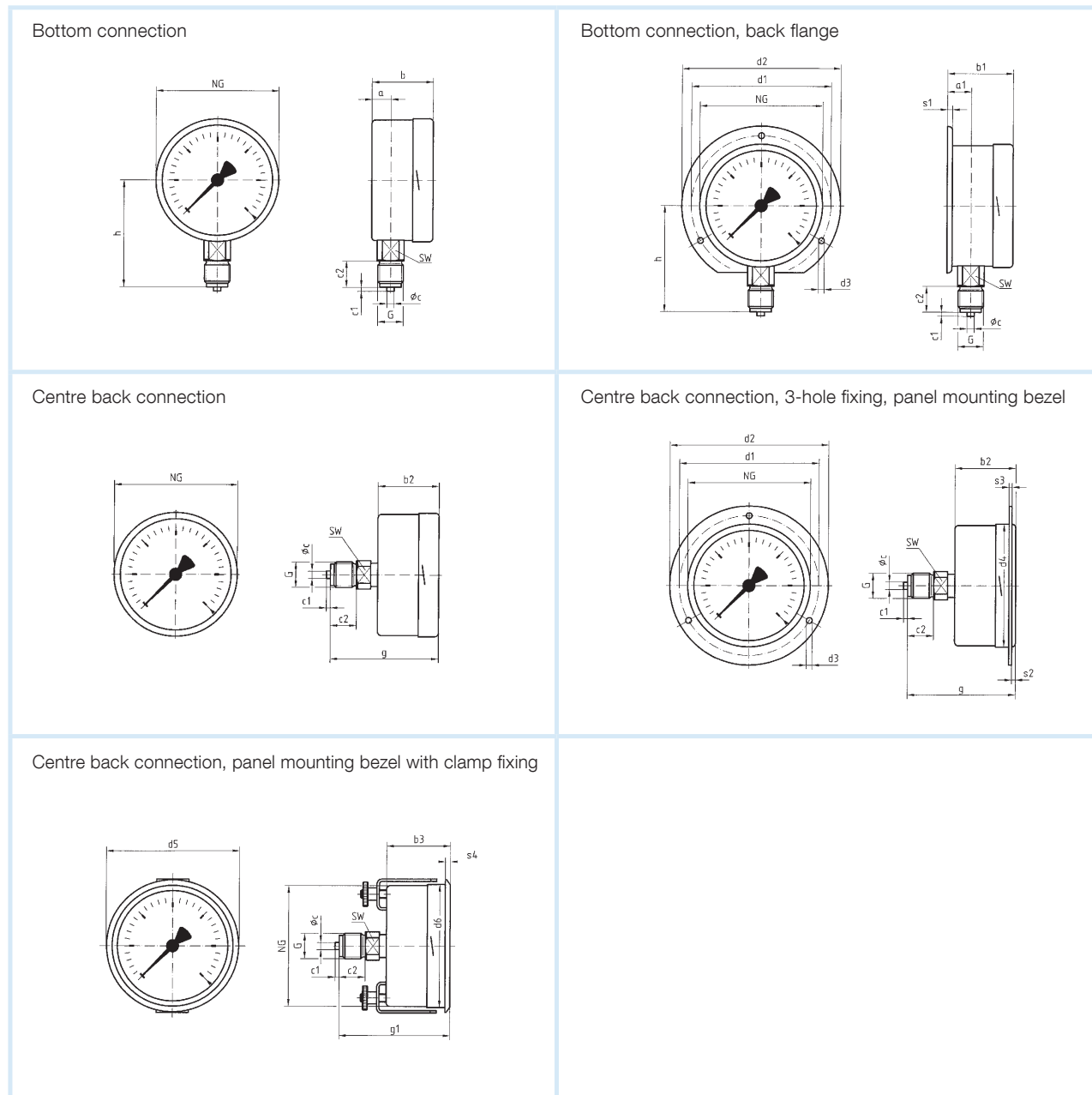


See page 326 for prices.

# Standard capsule pressure gauges

Type D 4 – NG 63/100/160

## Housing types and dimensions



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### Dimensions (mm)

| Nominal size (NG) | a    | a1   | b  | b1   | b2 | b3 | $\phi_c$ | c1 | c2 | d1* | d2  | ds* | d4  | d5  | d6  | G                 | g  | g1 | h   | s1  | s2 |
|-------------------|------|------|----|------|----|----|----------|----|----|-----|-----|-----|-----|-----|-----|-------------------|----|----|-----|-----|----|
| 63                | 10.8 | 13.4 | 40 | 42.1 | 37 | 37 | 5        | 2  | 13 | 75  | 85  | 3.5 | 64  | 68  | 64  | G $\frac{1}{4}$ B | 60 | 60 | 53  | 5.2 | 3  |
| 100               | 15.6 | 19.1 | 49 | 52.5 | 49 | 49 | 6        | 3  | 20 | 116 | 132 | 4.8 | 104 | 107 | 101 | G $\frac{1}{2}$ B | 81 | 81 | 86  | 5.5 | 4  |
| 160               | 17.5 | 20.5 | 50 | 53   | 50 | 52 | 6        | 3  | 20 | 178 | 196 | 5.8 | 164 | 167 | 161 | G $\frac{1}{2}$ B | 82 | 84 | 116 | 6   | 4  |
| Nominal size (NG) | s3   | s4   | SW |      |    |    |          |    |    |     |     |     |     |     |     |                   |    |    |     |     |    |
| 63                | 2    | 3    | 14 |      |    |    |          |    |    |     |     |     |     |     |     |                   |    |    |     |     |    |
| 100               | 2    | 4    | 22 |      |    |    |          |    |    |     |     |     |     |     |     |                   |    |    |     |     |    |
| 160               | 2    | 4.5  | 22 |      |    |    |          |    |    |     |     |     |     |     |     |                   |    |    |     |     |    |

\* Dimensions for NG 100 as per DIN 16014.