



## Standard capsule pressure gauges Type D4



### Benefits

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

### Application

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

! For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2" (see appendix)!

### Technical specifications

#### Type

D4

#### Nominal size

63 – 100 – 160

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

1,6

4,0

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

See ordering table

#### 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: Max. 60 °C

Ambient: -20/+60 °C

#### Temperature performance

Indication error when the temperature of the measuring system deviates from the normal temperature of 20 °C:

at 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: IP 33 (EN 60529)

NG 100: IP 54 (EN 60529)

NG 160: IP 33 (EN 60529)



Standard version

**Connection**  
Brass, bottom or centre back

**Measuring element**  
Capsule element, CuBe alloy

**Movement**  
Brass

**Zero correction**  
From the front

**Seal**  
NBR (Perbunan)

**Dial**  
Aluminium, white  
Scaling black

**Pointer**  
Aluminium, black

**Housing**  
Stainless steel 304

**Bayonet type bezel**  
Stainless steel 304

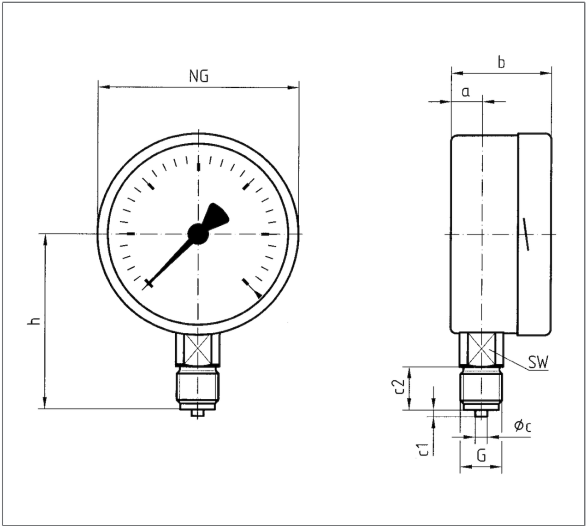
**Window**  
D401: Instrument glass  
D411: Instrument glass  
D431: Plastic (PMMA)  
D451: Plastic (PMMA)

Options

- Overpressure and underpressure 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

Technical drawings

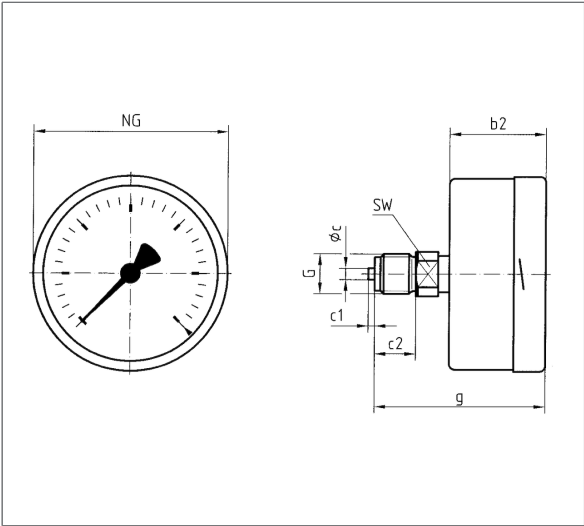
Bottom connection



Dimensions (mm)

| NG  | a    | b  | ∅c | c1 | c2 | G   | h   | SW |
|-----|------|----|----|----|----|-----|-----|----|
| 63  | 10,8 | 40 | 5  | 2  | 13 | G¼B | 53  | 14 |
| 100 | 15,6 | 49 | 6  | 3  | 20 | G½B | 86  | 22 |
| 160 | 17,5 | 50 | 6  | 3  | 20 | G¾B | 116 | 22 |

Centre back connection

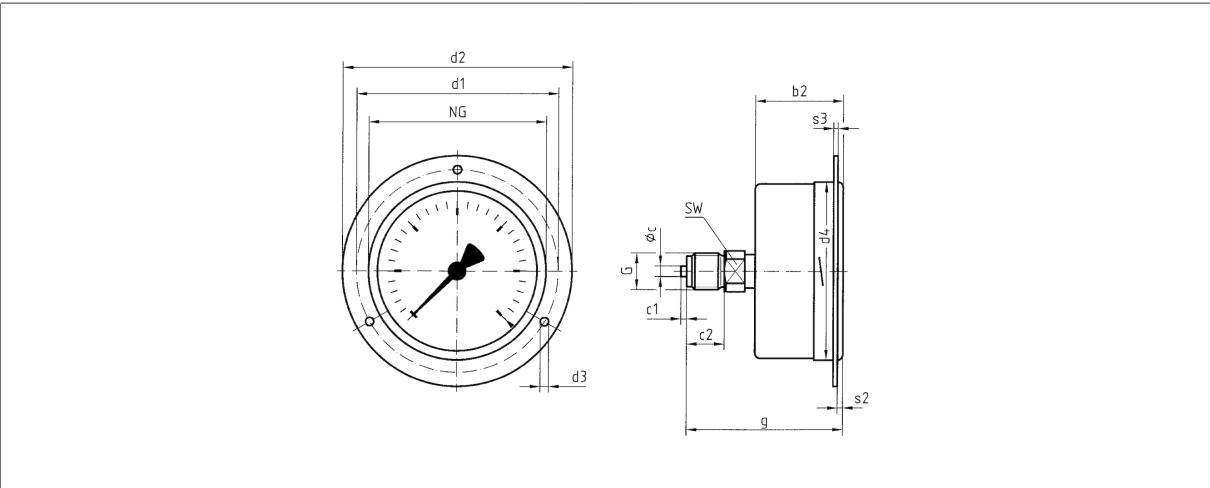


Dimensions (mm)

| NG  | b2 | ∅c | c1 | c2 | G   | g  | SW |
|-----|----|----|----|----|-----|----|----|
| 63  | 37 | 5  | 2  | 13 | G¼B | 60 | 14 |
| 100 | 49 | 6  | 3  | 20 | G½B | 81 | 22 |
| 160 | 50 | 6  | 3  | 20 | G¾B | 82 | 22 |



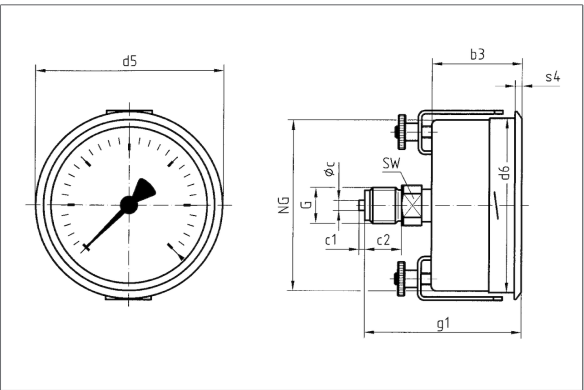
Centre back connection, 3-hole fixing, panel mounting bezel



Dimensions (mm)

| NG  | b2 | Øc | c1 | c2 | d1* | d2  | d3* | d4  | G   | g  | s2 | s3 | SW |
|-----|----|----|----|----|-----|-----|-----|-----|-----|----|----|----|----|
| 63  | 37 | 5  | 2  | 13 | 75  | 85  | 3,5 | 64  | G¼B | 60 | 3  | 2  | 14 |
| 100 | 49 | 6  | 3  | 20 | 116 | 132 | 4,8 | 104 | G½B | 81 | 4  | 2  | 22 |
| 160 | 50 | 6  | 3  | 20 | 178 | 196 | 5,8 | 164 | G¾B | 82 | 4  | 2  | 22 |

Centre back connection, panel mounting bezel with clamp fixing



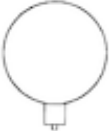
Dimensions (mm)

| NG  | b3 | Øc | c1 | c2 | d5  | d6  | G   | g1 | s4  | SW |
|-----|----|----|----|----|-----|-----|-----|----|-----|----|
| 63  | 37 | 5  | 2  | 13 | 68  | 64  | G¼B | 60 | 3   | 14 |
| 100 | 49 | 6  | 3  | 20 | 107 | 101 | G½B | 81 | 4   | 22 |
| 160 | 52 | 6  | 3  | 20 | 167 | 161 | G¾B | 84 | 4,5 | 22 |



## Versions

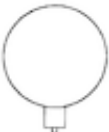
### KP63 D401



| Housing ∅ | Connection        | Alignment | Housing             | Accuracy class | Range         | Type      | Part no. |
|-----------|-------------------|-----------|---------------------|----------------|---------------|-----------|----------|
| 63 mm     | G $\frac{1}{4}$ B | Bottom    | Stainless steel 304 | 1,6            | -25/0 mbar    | KP63 D401 | 35004401 |
| 63 mm     | G $\frac{1}{4}$ B | Bottom    | Stainless steel 304 | 1,6            | -40/0 mbar    | KP63 D401 | 35005401 |
| 63 mm     | G $\frac{1}{4}$ B | Bottom    | Stainless steel 304 | 1,6            | -60/0 mbar    | KP63 D401 | 35006401 |
| 63 mm     | G $\frac{1}{4}$ B | Bottom    | Stainless steel 304 | 1,6            | -100/0 mbar   | KP63 D401 | 35007401 |
| 63 mm     | G $\frac{1}{4}$ B | Bottom    | Stainless steel 304 | 1,6            | -160/0 mbar   | KP63 D401 | 35008401 |
| 63 mm     | G $\frac{1}{4}$ B | Bottom    | Stainless steel 304 | 1,6            | -250/0 mbar   | KP63 D401 | 35009401 |
| 63 mm     | G $\frac{1}{4}$ B | Bottom    | Stainless steel 304 | 1,6            | -400/0 mbar   | KP63 D401 | 35010401 |
| 63 mm     | G $\frac{1}{4}$ B | Bottom    | Stainless steel 304 | 1,6            | -600/0 mbar   | KP63 D401 | 35011401 |
| 63 mm     | G $\frac{1}{4}$ B | Bottom    | Stainless steel 304 | 1,6            | -1,000/0 mbar | KP63 D401 | 35012401 |
| 63 mm     | G $\frac{1}{4}$ B | Bottom    | Stainless steel 304 | 1,6            | 0/25 mbar     | KP63 D401 | 35016401 |
| 63 mm     | G $\frac{1}{4}$ B | Bottom    | Stainless steel 304 | 1,6            | 0/40 mbar     | KP63 D401 | 35017401 |
| 63 mm     | G $\frac{1}{4}$ B | Bottom    | Stainless steel 304 | 1,6            | 0/60 mbar     | KP63 D401 | 35018401 |
| 63 mm     | G $\frac{1}{4}$ B | Bottom    | Stainless steel 304 | 1,6            | 0/100 mbar    | KP63 D401 | 35019401 |
| 63 mm     | G $\frac{1}{4}$ B | Bottom    | Stainless steel 304 | 1,6            | 0/160 mbar    | KP63 D401 | 35020401 |
| 63 mm     | G $\frac{1}{4}$ B | Bottom    | Stainless steel 304 | 1,6            | 0/250 mbar    | KP63 D401 | 35021401 |
| 63 mm     | G $\frac{1}{4}$ B | Bottom    | Stainless steel 304 | 1,6            | 0/400 mbar    | KP63 D401 | 35022401 |
| 63 mm     | G $\frac{1}{4}$ B | Bottom    | Stainless steel 304 | 1,6            | 0/600 mbar    | KP63 D401 | 35023401 |
| 63 mm     | G $\frac{1}{4}$ B | Bottom    | Stainless steel 304 | 1,6            | 0/1,000 mbar  | KP63 D401 | 35024401 |

Blue part no. = in-stock items

### KP100 D401



| Housing ∅ | Connection        | Alignment | Housing             | Accuracy class | Range       | Type       | Part no. |
|-----------|-------------------|-----------|---------------------|----------------|-------------|------------|----------|
| 100 mm    | G $\frac{1}{2}$ B | Bottom    | Stainless steel 304 | 1,6            | -25/0 mbar  | KP100 D401 | 35104401 |
| 100 mm    | G $\frac{1}{2}$ B | Bottom    | Stainless steel 304 | 1,6            | -40/0 mbar  | KP100 D401 | 35105401 |
| 100 mm    | G $\frac{1}{2}$ B | Bottom    | Stainless steel 304 | 1,6            | -60/0 mbar  | KP100 D401 | 35106401 |
| 100 mm    | G $\frac{1}{2}$ B | Bottom    | Stainless steel 304 | 1,6            | -100/0 mbar | KP100 D401 | 35107401 |
| 100 mm    | G $\frac{1}{2}$ B | Bottom    | Stainless steel 304 | 1,6            | -160/0 mbar | KP100 D401 | 35108401 |

Blue part no. = in-stock items



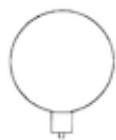
| Housing <sup>⊗</sup> | Connection | Alignment | Housing             | Accuracy class | Range         | Type       | Part no. |
|----------------------|------------|-----------|---------------------|----------------|---------------|------------|----------|
| 100 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | -250/0 mbar   | KP100 D401 | 35109401 |
| 100 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | -400/0 mbar   | KP100 D401 | 35110401 |
| 100 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | -600/0 mbar   | KP100 D401 | 35111401 |
| 100 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | -1,000/0 mbar | KP100 D401 | 35112401 |
| 100 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | 0/25 mbar     | KP100 D401 | 35116401 |
| 100 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | 0/40 mbar     | KP100 D401 | 35117401 |
| 100 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | 0/60 mbar     | KP100 D401 | 35118401 |
| 100 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | 0/100 mbar    | KP100 D401 | 35119401 |
| 100 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | 0/160 mbar    | KP100 D401 | 35120401 |
| 100 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | 0/250 mbar    | KP100 D401 | 35121401 |
| 100 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | 0/400 mbar    | KP100 D401 | 35122401 |
| 100 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | 0/600 mbar    | KP100 D401 | 35123401 |
| 100 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | 0/1,000 mbar  | KP100 D401 | 35124401 |

Blue part no. = in-stock items

**KP160 D401**

| Housing <sup>⊗</sup> | Connection | Alignment | Housing             | Accuracy class | Range       | Type       | Part no. |
|----------------------|------------|-----------|---------------------|----------------|-------------|------------|----------|
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 4,0            | -6/0 mbar   | KP160 D401 | 35151401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 4,0            | -10/0 mbar  | KP160 D401 | 35152401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 4,0            | -16/0 mbar  | KP160 D401 | 35153401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 4,0            | 0/6 mbar    | KP160 D401 | 35163401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 4,0            | 0/10 mbar   | KP160 D401 | 35164401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 4,0            | 0/16 mbar   | KP160 D401 | 35165401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | -25/0 mbar  | KP160 D401 | 35154401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | -40/0 mbar  | KP160 D401 | 35155401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | -60/0 mbar  | KP160 D401 | 35156401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | -100/0 mbar | KP160 D401 | 35157401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | -160/0 mbar | KP160 D401 | 35158401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | -250/0 mbar | KP160 D401 | 35159401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | -400/0 mbar | KP160 D401 | 35160401 |

Blue part no. = in-stock items





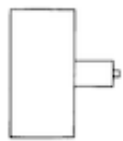
| Housing <sup>⊗</sup> | Connection | Alignment | Housing             | Accuracy class | Range         | Type       | Part no. |
|----------------------|------------|-----------|---------------------|----------------|---------------|------------|----------|
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | -600/0 mbar   | KP160 D401 | 35161401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | -1,000/0 mbar | KP160 D401 | 35162401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | 0/25 mbar     | KP160 D401 | 35166401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | 0/40 mbar     | KP160 D401 | 35167401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | 0/60 mbar     | KP160 D401 | 35168401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | 0/100 mbar    | KP160 D401 | 35169401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | 0/160 mbar    | KP160 D401 | 35170401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | 0/250 mbar    | KP160 D401 | 35171401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | 0/400 mbar    | KP160 D401 | 35172401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | 0/600 mbar    | KP160 D401 | 35173401 |
| 160 mm               | G½B        | Bottom    | Stainless steel 304 | 1,6            | 0/1,000 mbar  | KP160 D401 | 35174401 |

Blue part no. = in-stock items

## KP63 D411

| Housing <sup>⊗</sup> | Connection | Alignment   | Housing             | Accuracy class | Range         | Type      | Part no. |
|----------------------|------------|-------------|---------------------|----------------|---------------|-----------|----------|
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | -25/0 mbar    | KP63 D411 | 35004411 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | -40/0 mbar    | KP63 D411 | 35005411 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | -60/0 mbar    | KP63 D411 | 35006411 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | -100/0 mbar   | KP63 D411 | 35007411 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | -160/0 mbar   | KP63 D411 | 35008411 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | -250/0 mbar   | KP63 D411 | 35009411 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | -400/0 mbar   | KP63 D411 | 35010411 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | -600/0 mbar   | KP63 D411 | 35011411 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | -1,000/0 mbar | KP63 D411 | 35012411 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | 0/25 mbar     | KP63 D411 | 35016411 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | 0/40 mbar     | KP63 D411 | 35017411 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | 0/60 mbar     | KP63 D411 | 35018411 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | 0/100 mbar    | KP63 D411 | 35019411 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | 0/160 mbar    | KP63 D411 | 35020411 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | 0/250 mbar    | KP63 D411 | 35021411 |

Blue part no. = in-stock items





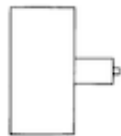
| Housing <sup>⊗</sup> | Connection | Alignment   | Housing             | Accuracy class | Range        | Type      | Part no. |
|----------------------|------------|-------------|---------------------|----------------|--------------|-----------|----------|
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | 0/400 mbar   | KP63 D411 | 35022411 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | 0/600 mbar   | KP63 D411 | 35023411 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | 0/1,000 mbar | KP63 D411 | 35024411 |

Blue part no. = in-stock items

**KP100 D411**

| Housing <sup>⊗</sup> | Connection | Alignment   | Housing             | Accuracy class | Range         | Type       | Part no. |
|----------------------|------------|-------------|---------------------|----------------|---------------|------------|----------|
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -25/0 mbar    | KP100 D411 | 35104411 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -40/0 mbar    | KP100 D411 | 35105411 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -60/0 mbar    | KP100 D411 | 35106411 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -100/0 mbar   | KP100 D411 | 35107411 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -160/0 mbar   | KP100 D411 | 35108411 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -250/0 mbar   | KP100 D411 | 35109411 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -400/0 mbar   | KP100 D411 | 35110411 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -600/0 mbar   | KP100 D411 | 35111411 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -1,000/0 mbar | KP100 D411 | 35112411 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/25 mbar     | KP100 D411 | 35116411 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/40 mbar     | KP100 D411 | 35117411 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/60 mbar     | KP100 D411 | 35118411 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/100 mbar    | KP100 D411 | 35119411 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/160 mbar    | KP100 D411 | 35120411 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/250 mbar    | KP100 D411 | 35121411 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/400 mbar    | KP100 D411 | 35122411 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/600 mbar    | KP100 D411 | 35123411 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/1,000 mbar  | KP100 D411 | 35124411 |

Blue part no. = in-stock items

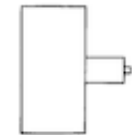




## KP160 D411

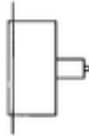
|  | Housing <sup>ø</sup> | Connection | Alignment   | Housing             | Accuracy class | Range         | Type       | Part no. |
|--|----------------------|------------|-------------|---------------------|----------------|---------------|------------|----------|
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 4,0            | -6/0 mbar     | KP160 D411 | 35151411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 4,0            | -10/0 mbar    | KP160 D411 | 35152411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 4,0            | -16/0 mbar    | KP160 D411 | 35153411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 4,0            | 0/6 mbar      | KP160 D411 | 35163411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 4,0            | 0/10 mbar     | KP160 D411 | 35164411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 4,0            | 0/16 mbar     | KP160 D411 | 35165411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -25/0 mbar    | KP160 D411 | 35154411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -40/0 mbar    | KP160 D411 | 35155411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -60/0 mbar    | KP160 D411 | 35156411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -100/0 mbar   | KP160 D411 | 35157411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -160/0 mbar   | KP160 D411 | 35158411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -250/0 mbar   | KP160 D411 | 35159411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -400/0 mbar   | KP160 D411 | 35160411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -600/0 mbar   | KP160 D411 | 35161411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -1,000/0 mbar | KP160 D411 | 35162411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/25 mbar     | KP160 D411 | 35166411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/40 mbar     | KP160 D411 | 35167411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/60 mbar     | KP160 D411 | 35168411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/100 mbar    | KP160 D411 | 35169411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/160 mbar    | KP160 D411 | 35170411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/250 mbar    | KP160 D411 | 35171411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/400 mbar    | KP160 D411 | 35172411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/600 mbar    | KP160 D411 | 35173411 |
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/1,000 mbar  | KP160 D411 | 35174411 |

Blue part no. = in-stock items





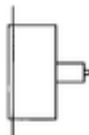
## KP63 D431



| Housing ∅ | Connection        | Alignment   | Housing             | Accuracy class | Range         | Type      | Part no. |
|-----------|-------------------|-------------|---------------------|----------------|---------------|-----------|----------|
| 63 mm     | G $\frac{1}{4}$ B | Centre back | Stainless steel 304 | 1,6            | -25/0 mbar    | KP63 D431 | 35004431 |
| 63 mm     | G $\frac{1}{4}$ B | Centre back | Stainless steel 304 | 1,6            | -40/0 mbar    | KP63 D431 | 35005431 |
| 63 mm     | G $\frac{1}{4}$ B | Centre back | Stainless steel 304 | 1,6            | -60/0 mbar    | KP63 D431 | 35006431 |
| 63 mm     | G $\frac{1}{4}$ B | Centre back | Stainless steel 304 | 1,6            | -100/0 mbar   | KP63 D431 | 35007431 |
| 63 mm     | G $\frac{1}{4}$ B | Centre back | Stainless steel 304 | 1,6            | -160/0 mbar   | KP63 D431 | 35008431 |
| 63 mm     | G $\frac{1}{4}$ B | Centre back | Stainless steel 304 | 1,6            | -250/0 mbar   | KP63 D431 | 35009431 |
| 63 mm     | G $\frac{1}{4}$ B | Centre back | Stainless steel 304 | 1,6            | -400/0 mbar   | KP63 D431 | 35010431 |
| 63 mm     | G $\frac{1}{4}$ B | Centre back | Stainless steel 304 | 1,6            | -600/0 mbar   | KP63 D431 | 35011431 |
| 63 mm     | G $\frac{1}{4}$ B | Centre back | Stainless steel 304 | 1,6            | -1,000/0 mbar | KP63 D431 | 35012431 |
| 63 mm     | G $\frac{1}{4}$ B | Centre back | Stainless steel 304 | 1,6            | 0/25 mbar     | KP63 D431 | 35016431 |
| 63 mm     | G $\frac{1}{4}$ B | Centre back | Stainless steel 304 | 1,6            | 0/40 mbar     | KP63 D431 | 35017431 |
| 63 mm     | G $\frac{1}{4}$ B | Centre back | Stainless steel 304 | 1,6            | 0/60 mbar     | KP63 D431 | 35018431 |
| 63 mm     | G $\frac{1}{4}$ B | Centre back | Stainless steel 304 | 1,6            | 0/100 mbar    | KP63 D431 | 35019431 |
| 63 mm     | G $\frac{1}{4}$ B | Centre back | Stainless steel 304 | 1,6            | 0/160 mbar    | KP63 D431 | 35020431 |
| 63 mm     | G $\frac{1}{4}$ B | Centre back | Stainless steel 304 | 1,6            | 0/250 mbar    | KP63 D431 | 35021431 |
| 63 mm     | G $\frac{1}{4}$ B | Centre back | Stainless steel 304 | 1,6            | 0/400 mbar    | KP63 D431 | 35022431 |
| 63 mm     | G $\frac{1}{4}$ B | Centre back | Stainless steel 304 | 1,6            | 0/600 mbar    | KP63 D431 | 35023431 |
| 63 mm     | G $\frac{1}{4}$ B | Centre back | Stainless steel 304 | 1,6            | 0/1,000 mbar  | KP63 D431 | 35024431 |

Blue part no. = in-stock items

## KP100 D431



| Housing ∅ | Connection        | Alignment   | Housing             | Accuracy class | Range       | Type       | Part no. |
|-----------|-------------------|-------------|---------------------|----------------|-------------|------------|----------|
| 100 mm    | G $\frac{1}{2}$ B | Centre back | Stainless steel 304 | 1,6            | -25/0 mbar  | KP100 D431 | 35104431 |
| 100 mm    | G $\frac{1}{2}$ B | Centre back | Stainless steel 304 | 1,6            | -40/0 mbar  | KP100 D431 | 35105431 |
| 100 mm    | G $\frac{1}{2}$ B | Centre back | Stainless steel 304 | 1,6            | -60/0 mbar  | KP100 D431 | 35106431 |
| 100 mm    | G $\frac{1}{2}$ B | Centre back | Stainless steel 304 | 1,6            | -100/0 mbar | KP100 D431 | 35107431 |
| 100 mm    | G $\frac{1}{2}$ B | Centre back | Stainless steel 304 | 1,6            | -160/0 mbar | KP100 D431 | 35108431 |
| 100 mm    | G $\frac{1}{2}$ B | Centre back | Stainless steel 304 | 1,6            | -250/0 mbar | KP100 D431 | 35109431 |
| 100 mm    | G $\frac{1}{2}$ B | Centre back | Stainless steel 304 | 1,6            | -400/0 mbar | KP100 D431 | 35110431 |

Blue part no. = in-stock items



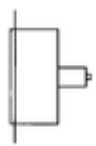
| Housing <sup>ø</sup> | Connection | Alignment   | Housing             | Accuracy class | Range         | Type       | Part no. |
|----------------------|------------|-------------|---------------------|----------------|---------------|------------|----------|
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -600/0 mbar   | KP100 D431 | 35111431 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -1,000/0 mbar | KP100 D431 | 35112431 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/25 mbar     | KP100 D431 | 35116431 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/40 mbar     | KP100 D431 | 35117431 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/60 mbar     | KP100 D431 | 35118431 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/100 mbar    | KP100 D431 | 35119431 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/160 mbar    | KP100 D431 | 35120431 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/250 mbar    | KP100 D431 | 35121431 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/400 mbar    | KP100 D431 | 35122431 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/600 mbar    | KP100 D431 | 35123431 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/1,000 mbar  | KP100 D431 | 35124431 |

Blue part no. = in-stock items

**KP160 D431**

| Housing <sup>ø</sup> | Connection | Alignment   | Housing             | Accuracy class | Range         | Type       | Part no. |
|----------------------|------------|-------------|---------------------|----------------|---------------|------------|----------|
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 4,0            | -6/0 mbar     | KP160 D431 | 35151431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 4,0            | -10/0 mbar    | KP160 D431 | 35152431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 4,0            | -16/0 mbar    | KP160 D431 | 35153431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 4,0            | 0/6 mbar      | KP160 D431 | 35163431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 4,0            | 0/10 mbar     | KP160 D431 | 35164431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 4,0            | 0/16 mbar     | KP160 D431 | 35165431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -25/0 mbar    | KP160 D431 | 35154431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -40/0 mbar    | KP160 D431 | 35155431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -60/0 mbar    | KP160 D431 | 35156431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -100/0 mbar   | KP160 D431 | 35157431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -160/0 mbar   | KP160 D431 | 35158431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -250/0 mbar   | KP160 D431 | 35159431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -400/0 mbar   | KP160 D431 | 35160431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -600/0 mbar   | KP160 D431 | 35161431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -1,000/0 mbar | KP160 D431 | 35162431 |

Blue part no. = in-stock items





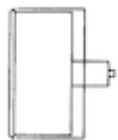
| Housing <sup>o</sup> | Connection | Alignment   | Housing             | Accuracy class | Range        | Type       | Part no. |
|----------------------|------------|-------------|---------------------|----------------|--------------|------------|----------|
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/25 mbar    | KP160 D431 | 35166431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/40 mbar    | KP160 D431 | 35167431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/60 mbar    | KP160 D431 | 35168431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/100 mbar   | KP160 D431 | 35169431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/160 mbar   | KP160 D431 | 35170431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/250 mbar   | KP160 D431 | 35171431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/400 mbar   | KP160 D431 | 35172431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/600 mbar   | KP160 D431 | 35173431 |
| 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/1,000 mbar | KP160 D431 | 35174431 |

Blue part no. = in-stock items

## KP63 D451

| Housing <sup>o</sup> | Connection | Alignment   | Housing             | Accuracy class | Range         | Type      | Part no. |
|----------------------|------------|-------------|---------------------|----------------|---------------|-----------|----------|
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | -25/0 mbar    | KP63 D451 | 35004451 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | -40/0 mbar    | KP63 D451 | 35005451 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | -60/0 mbar    | KP63 D451 | 35006451 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | -100/0 mbar   | KP63 D451 | 35007451 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | -160/0 mbar   | KP63 D451 | 35008451 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | -250/0 mbar   | KP63 D451 | 35009451 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | -400/0 mbar   | KP63 D451 | 35010451 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | -600/0 mbar   | KP63 D451 | 35011451 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | -1,000/0 mbar | KP63 D451 | 35012451 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | 0/25 mbar     | KP63 D451 | 35016451 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | 0/40 mbar     | KP63 D451 | 35017451 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | 0/60 mbar     | KP63 D451 | 35018451 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | 0/100 mbar    | KP63 D451 | 35019451 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | 0/160 mbar    | KP63 D451 | 35020451 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | 0/250 mbar    | KP63 D451 | 35021451 |

Blue part no. = in-stock items





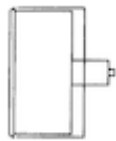
| Housing <sup>⊗</sup> | Connection | Alignment   | Housing             | Accuracy class | Range        | Type      | Part no. |
|----------------------|------------|-------------|---------------------|----------------|--------------|-----------|----------|
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | 0/400 mbar   | KP63 D451 | 35022451 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | 0/600 mbar   | KP63 D451 | 35023451 |
| 63 mm                | G¼B        | Centre back | Stainless steel 304 | 1,6            | 0/1,000 mbar | KP63 D451 | 35024451 |

Blue part no. = in-stock items

**KP100 D451**

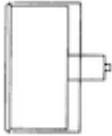
| Housing <sup>⊗</sup> | Connection | Alignment   | Housing             | Accuracy class | Range         | Type       | Part no. |
|----------------------|------------|-------------|---------------------|----------------|---------------|------------|----------|
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -25/0 mbar    | KP100 D451 | 35104451 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -40/0 mbar    | KP100 D451 | 35105451 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -60/0 mbar    | KP100 D451 | 35106451 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -100/0 mbar   | KP100 D451 | 35107451 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -160/0 mbar   | KP100 D451 | 35108451 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -250/0 mbar   | KP100 D451 | 35109451 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -400/0 mbar   | KP100 D451 | 35110451 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -600/0 mbar   | KP100 D451 | 35111451 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -1,000/0 mbar | KP100 D451 | 35112451 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/25 mbar     | KP100 D451 | 35116451 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/40 mbar     | KP100 D451 | 35117451 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/60 mbar     | KP100 D451 | 35118451 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/100 mbar    | KP100 D451 | 35119451 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/160 mbar    | KP100 D451 | 35120451 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/250 mbar    | KP100 D451 | 35121451 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/400 mbar    | KP100 D451 | 35122451 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/600 mbar    | KP100 D451 | 35123451 |
| 100 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/1,000 mbar  | KP100 D451 | 35124451 |

Blue part no. = in-stock items





## KP160 D451

|                                                                                    | Housing <sup>ø</sup> | Connection | Alignment   | Housing             | Accuracy class | Range         | Type       | Part no. |
|------------------------------------------------------------------------------------|----------------------|------------|-------------|---------------------|----------------|---------------|------------|----------|
|  | 160 mm               | G½B        | Centre back | Stainless steel 304 | 4,0            | -6/0 mbar     | KP160 D451 | 35151451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 4,0            | -10/0 mbar    | KP160 D451 | 35152451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 4,0            | -16/0 mbar    | KP160 D451 | 35153451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 4,0            | 0/6 mbar      | KP160 D451 | 35163451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 4,0            | 0/10 mbar     | KP160 D451 | 35164451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 4,0            | 0/16 mbar     | KP160 D451 | 35165451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -25/0 mbar    | KP160 D451 | 35154451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -40/0 mbar    | KP160 D451 | 35155451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -60/0 mbar    | KP160 D451 | 35156451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -100/0 mbar   | KP160 D451 | 35157451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -160/0 mbar   | KP160 D451 | 35158451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -250/0 mbar   | KP160 D451 | 35159451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -400/0 mbar   | KP160 D451 | 35160451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -600/0 mbar   | KP160 D451 | 35161451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | -1,000/0 mbar | KP160 D451 | 35162451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/25 mbar     | KP160 D451 | 35166451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/40 mbar     | KP160 D451 | 35167451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/60 mbar     | KP160 D451 | 35168451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/100 mbar    | KP160 D451 | 35169451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/160 mbar    | KP160 D451 | 35170451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/250 mbar    | KP160 D451 | 35171451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/400 mbar    | KP160 D451 | 35172451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/600 mbar    | KP160 D451 | 35173451 |
|                                                                                    | 160 mm               | G½B        | Centre back | Stainless steel 304 | 1,6            | 0/1,000 mbar  | KP160 D451 | 35174451 |

Blue part no. = in-stock items