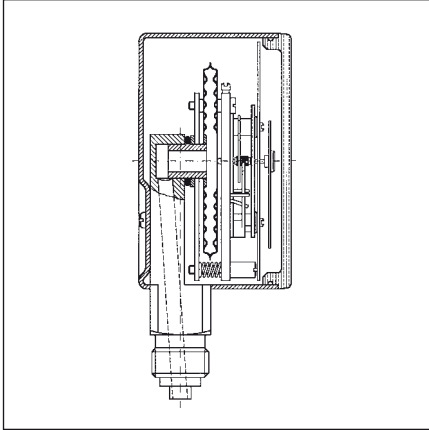


Capsule type pressure gauge for chemical applications EN 837-3



Application

For aggressive gaseous and dry media, also for use in aggressive environments.

! When measuring gas or vapour, the instruments must be used in accordance with the safety recommendations of EN 837-2 (see appendix).

Type

D 4

Nominal size

63 – 100 – 160

Accuracy class (EN 837-3/6)

1.6

Ranges (EN 837-3/5)

0/25 to 0/1,000 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: $T_{max} = +100\text{ °C}$

Ambient: $T_{min} = -20\text{ °C}$

$T_{max} = +60\text{ °C}$

Temperature performance

Indication error when the temperature of the measuring element deviates from 20 °C:
 rising temp. approx. $\pm 0.6\%$ /10 K
 falling temp. approx. $\pm 0.6\%$ /10 K
 percentage of full scale value

Protection

IP 32 (EN 60529)

Standard version

Connection

Stainless steel 316 Ti or 316 L,
 bottom or centre back
 NG 63 G $\frac{1}{4}$ B – spanner size 14
 NG 100 – 160 G $\frac{1}{2}$ B –
 spanner size 22
 (EN 837-3/7.3)

Measuring element

Capsule element, stainless steel
 316 Ti or 316 L

Movement

Stainless steel

Zero correction

From the front

Seal

FKM (Viton)

Dial

Aluminium, white
 Dial marking black

Pointer

Aluminium, black

Housing

Stainless steel 1.4301

Bayonet type bezel

Stainless steel 1.4301

Front glass

Laminated safety glass

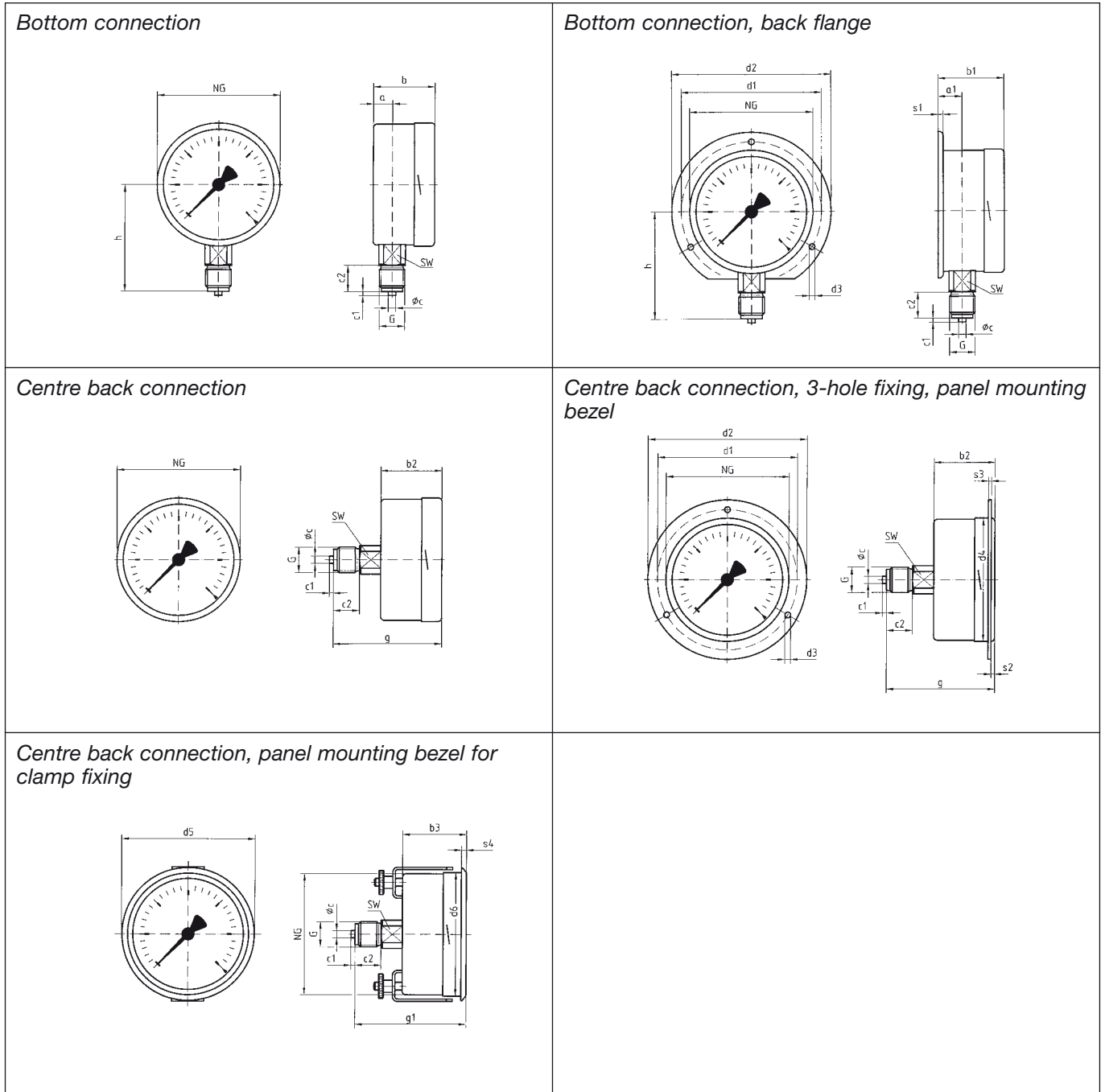
Options

- Back flange
- Panel mounting bezel for clamp fixing
- 3-hole fixing, panel mounting bezel
- Damping screw
- Special scales

Capsule type pressure gauge for chemical applications

Type D 4 – NG 63/100/160

Housing types and dimensions



Dimensions (mm)

Nominal size (NG)	a	a1	b	b1	b2	b3	ϕc	c1	c2	d1*	d2	d3*	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	G1/4B	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	G1/2B	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	G1/2B	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 according to DIN EN 837-3