B.1.4.

STANDARD PRESSURE GAUGE 310/320

diameter 80mm
bottom and back connection

DESCRIPTION:

- metal case
- glass inspection hole
- connection 310 (bottom), 320 (back) CuZn and copper alloys
- measuring mechanism CuZn and copper alloys

APPLICATION:

- heating industry
- air-conditioning
- pneu-systems
- control systems
- hydraulics

TECHNICAL PARAMETERS:

- diameter: 80mm
- measure ranges 0-60, 100, 160, 250, 400, 600kPa
  0-1; 1,6; 2,5; 4; 10; 16; 25; 40; 60MPa
  -0,1+2,4; -0,1+1,5; -0,1+0,9MPa
  -100+500; -100+300; -100+150; -100-0kPa
  scale: Pa, bar, individual
- connection threads: G1/2 (G1/8, G1/4, M12x1,5, M20x1,5)
- design: pressure gauge, pressure-vacuum indicator, vacuum indicator
- accuracy class 1,6%
- special scale design

SPECIFICATION:

Standard pressure gauges 310/320 are produced according to standard EN837-1. Mainly used for simple pressure measurement of liquids, vapour and gases, that do not have a corrosive effect on copper alloys and its viscosity allows for measuring using bourdon pen mechanism.
Standard pressure gauges are suitable for use in conditions without high demands on the device. Environment temperature -40 up to 60°C, maximum medium temperature T_{max} 80°C.
Other alternatives of design on request - special scale design, connection thread, lazy needle, max. pressure needle etc.

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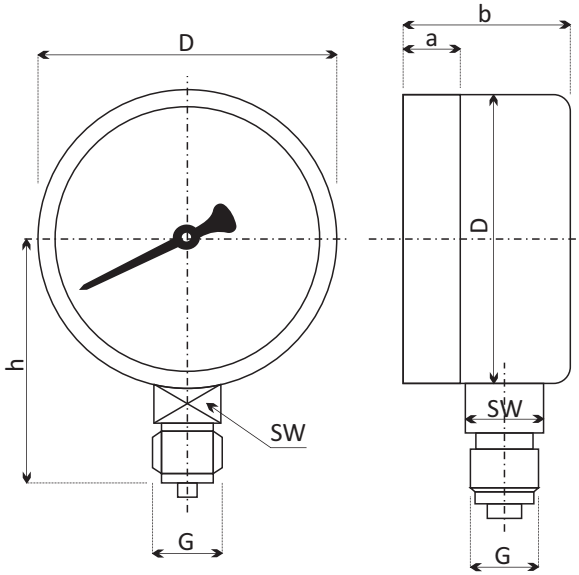
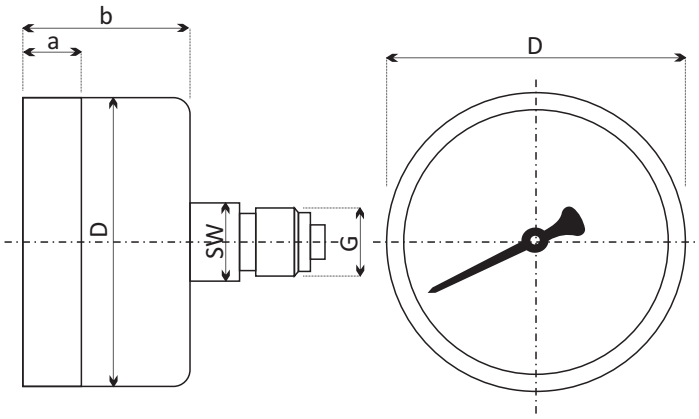
Code	310	320
Diameter	80mm	
Design	bottom connection	back connection
Accuracy class	1,6 %	
Ranges	0-60kPa...0-60MPa, vacuum and pressure	
Highest accuracy	constant pressure - 3/4 from all range, fluctuating pressure - 2/3 from all range	
Case	black varnished metal	
Ring	black varnished metal	
Inspection hole	glass	
Scale	white Al sheet with black print according to DIN 16 109	
Needle	black varnished metal	
Machine basis	CuZn - alloy	
Spring	Cu - alloy	
Connection	CuZn - alloy	
Thread	G1/2 (G1/8, G1/4, M12x1,5, M20x1,5)	
Medium temp. Environment temp.	T_{max} 80°C T_{min} -40°C, T_{max} 60°C	
Measuring depend. on temperature	0,3%/10K for deviation from the normal temperature 20°C	
Weight approx.	0,18kg	0,19kg

• 310 - bottom connection



• 320 - back connection



Dimension in mm							
Type	Nom. size	a	b	D	G	h	SW
310	80	12	30	80	G1/2	68	22
320	80	12	31	81	G1/2		22

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