



STANDARD PRESSURE GAUGE 313/323

diameter 160mm
bottom and back connection

DESCRIPTION:

- bayonet metal case
- glass inspection hole
- connection 313 (bottom), 323 (back) CuZn and copper alloys
- back/front flange
- measuring mechanism CuZn and copper alloys

APPLICATION:

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

TECHNICAL PARAMETERS:

- diameter: 160mm
- measuring ranges: 0-60, 100, 160, 250, 400, 600kPa
0-1; 1,6; 2,5; 4; 10; 16; 25; 40; 60; 100MPa
-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, M20x1,5
- design: pressure gauge, pressure-vacuum indicator, vacuum indicator
- accuracy class: 1% (313); 1,6% (323)
- special scale design

SPECIFICATION:

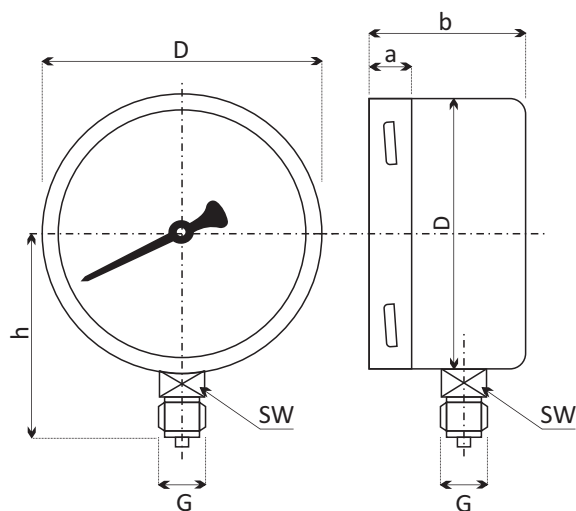
Standard pressure gauges 313/323 are produced according to standard EN837-1. Mainly used for simple pressure measurement of liquids, vapour and gases, that do not have a corrosive effect on copper alloys and its viscosity allows for measuring using bourdon pen mechanism.

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.

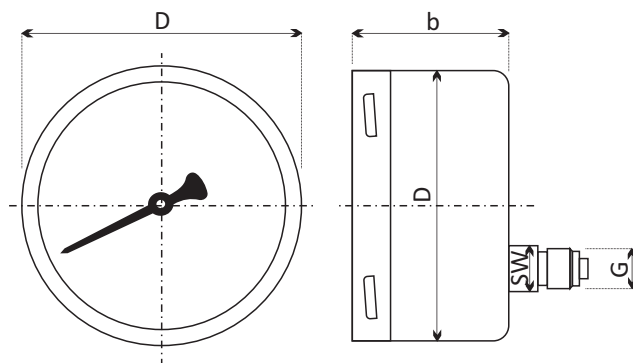
Other alternatives of design on request - special scale design, connection thread, lazy needle, max. pressure needle etc.

Code	313	323
Diameter	160mm	
Design	bottom connection	back connection
Accuracy class	1%	1,6%
Range	0-60kPa...0-100MPa, 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 bayonet	
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	M20x1,5 or G1/2	
Medium temper.	$T_{\max} 80^{\circ}\text{C}$	
Environment temp.	$T_{\min} -40^{\circ}\text{C}$, $T_{\max} 60^{\circ}\text{C}$	
Measuring depend. on temperature	0,3%/10K for deviations from normal temperature 20°C	
Weight approx.	1kg	1,2kg

• 313 - bottom connection



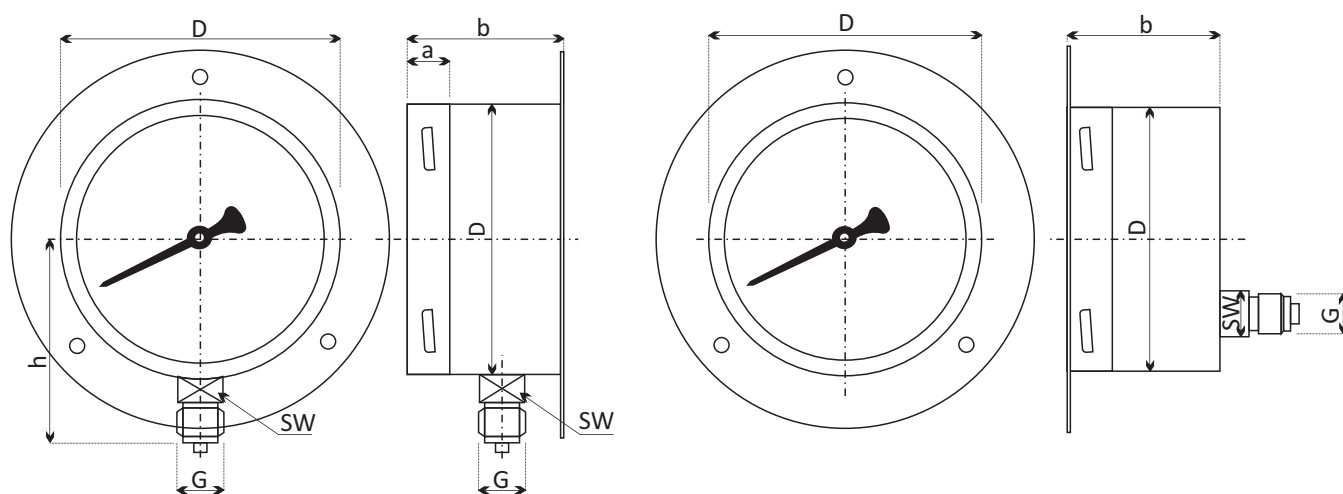
• 323 - back connection



Dimensions in mm							
Type	Nom. size	a	b	D	G	h	SW
313	160	20	49	161	M20x1,5	118	22
323	160	-	49	161	G1/2	-	22

- 313 - bottom connection with back flange

- 323 - back connection with front flange



Dimensions in mm							
Type	Nom. size	a	b	D	G	h	SW
313	160	20	51	161	M20x1,5	118	22
323	160	-	51	161	G1/2	-	22

