

HEAVY DUTY PRESSURE GAUGE

diameters 63, 100, 160mm
bottom and back connection



DESCRIPTION:

- stainless steel case 17 240/1.4301
- safety glass inspection hole
- connection 304R, 312R, 313R (bottom), 358R, 322R, 323R (back) CuZn and copper alloys
- back/front flange
- measuring mechanism CuZn and copper alloys

APPLICATION:

- heating industry
- air-conditioning
- light and semi-heavy industry
- food industry
- gas distribution

TECHNICAL PARAMETERS:

- diameter: 63,100,160mm
- measuring ranges: 0-60, 100, 160, 250, 400, 600kPa
0-1; 1,6; 2,5; 4; 6; 10; 16; 25; 40; 60; 100; 160MPa
-0,1+2,4; -0,1+1,5; -0,1+0,9MPa
-100+500; -100+300; -100+150; -100-0kPa
- dial design: kPa/MPa, bar
- connection thread: M20x1,5, G1/2
(G1/8, G1/4, M12x1,5, NPT)
- accuracy class: 1%, 1,6% (pr.63mm)
- design: pressure gauge, pressure-vacuum indicator, vacuum indicator
- special dial design

SPECIFICATION:

Heavy duty pressure gauges are produced according to standard EN837-1. Mainly used for simple pressure measurement of liquids, vapour and gases, that do not have corrosive effect on copper alloys.

Heavy duty pressure gauges are designed into demanding conditions of industries and other applications where measurement stability and accuracy is essential.

Surrounding temperature -40 up to 60°C, medium temperature T_{max} 80°C. Other options of design on request - special scale design, atypical dial, connection thread, front and back flange, lazy needle, etc.

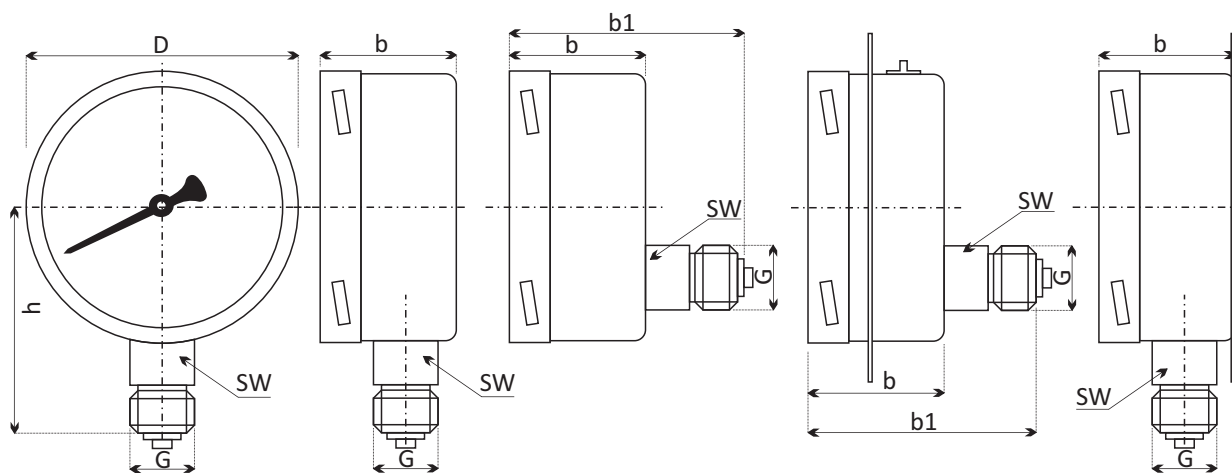
Code	304R	358R	312R	322R	313R	323R
Diameter	63mm		100mm		160mm	
Design (connection)	bottom	back	bottom	back	bottom	back
Accuracy class	1,6%		1%			
Measuring range	0-60kPa...0-100MPa		0-60kPa...0-160MPa, vacuum and pressure			
Highest accuracy	constant pressure - 3/4 from all range ,fluctuating pressure - 2/3from all ranges					
Case	stainless steel sheet 17 240/1.4301					
Ring	stainless steel 17 240/1.4301 - bayonet					
Inspection hole	safety glass					
Dial	white Al sheet with black print according to DIN 16 109					
Needle	black sprayed Al sheet					
Machine basis	CuZn -alloy					
Spring	Cu - alloy					
Connection	CuZn - alloy					
Thread	M12x1,5, G1/4 (G1/8, NPT)		M20x1,5, G1/2 (NPT)			
Medium temper.	T _{max} 80°C					
Environment temp.	T _{min} -40°C, T _{max} 60°C					
Measuring depend. on temperature	0,3%/10K for deviations from normal temperature 20°C					
Weight approx.	0,21kg	0,26kg	0,6kg	0,6kg	1,0kg	1,2kg

• 304, 312, 313 - bottom connection

• 358, 322, 323 - back connect.

• 358, 322, 323 - with front flange

• 304, 312, 313 - with back flange



Dimensions in mm							
Type	Nom.size	b1	b	D	G	h	SW
304	63	57	34	63	M12x1,5 (G1/4)	-	14
358	63	57	34	63	M12x1,5 (G1/4)	-	14
312	100	88	49	100	M20x1,5 (G1/2)	85	22
322	100	88	49	100	M20x1,5 (G1/2)	-	22
313	160	89	50	160	M20x1,5 (G1/2)	118	22
323	160	89	50	160	M20x1,5 (G1/2)	-	22