



B.1.17.

CONTROL PRESSURE GAUGE 313

diameter 160 mm
bottom connection

DESCRIPTION:

- bayonet case of stainless steel 17 240/1.4301
- glass inspection hole
- bottom connection CuZn and copper alloys
- measure mechanism CuZn and copper alloys/stainless steel
- low pressure design from 400Pa up to 40kPa, high pressure design from 60kPa up to 160MPa

APPLICATION:

- heating industry
- hydraulics
- air-conditioning
- light industry
- calibration, certification, inspection

TECHNICAL PARAMETERS:

- diameter: 160mm
- measure ranges: 0-400, 600Pa
- 0-1; 1,6; 2,5; 4; 6; 10; 16; 25; 40kPa
- 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
- connection threads: M20x1,5, G1/2
- accuracy class: 1%, 0,6%, 0,4%, 0,25%
- design: pressure gauge, pressure-vacuum indicator, vacuum indicator

SPECIFICATION:

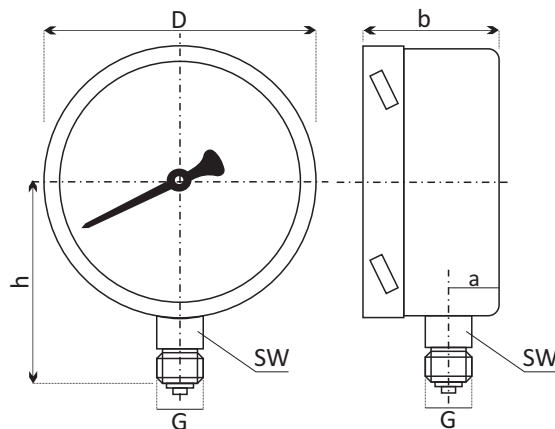
Control pressure gauges 313 are produced according to standard EN837-1(3). Mainly used for simple pressure measurement of liquids, vapour and gases, that do not have a corrosive effect on copper alloys and its viscosity allows for measuring using bourdon pen mechanism.

Control pressure gauges are designed for certification, accurate measurements, etc. Supplied in accuracy class 1%; 0,6%; 0,4%; 0,25%. Environment temperature -40 up to 60°C, medium temperature T_{max} 60°C. Pressure gauge dial comes with a very fine interval design and beginning from accuracy class 0,6% also with a mirror background.

Other design options on request - special scale design, connection threads, etc. Control pressure gauges can be supplied with valid calibration certificates.

Code	313M 1%	313M 1,6%	313 1%	313 0,6%	313 0,4%	313 0,25%
Diameter	160mm					
Design	bottom connection					
Accuracy class	1%	0,6%	1%	0,6%	1%	0,6%
Measuring range	0-400Pa...0-40kPa		0-60kPa...0-160MPa, vacuum and pressure			
Highest accuracy	constant pressure - 3/4 from all range ,fluctuating pressure - 2/3from all range					
Case	stainless steel sheet 17 240/1.4301					
Ring	stainless steel 17 240/1.4301 - bayonet					
Inspection hole	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	M20x1,5, G1/2					
Medium temper.	T _{max} 60°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.	1,1kg		1,2kg			

• Control pressure gauge



Dimensions in mm							
Type	Nom. size	a	b	D	G	h	SW
313M	160	15	50	160	M20x1,5, G1/2	118	22