

All stainless steel safety pressure gauges according to EN 837-1/S3 with or without glycerine filling

Nominal sizes ND 100

Connection position bottom



Description

The all stainless steel pressure gauges are ideal for the hard conditions and the resulting high demands on pressure measurement in production facilities in chemical industry and other comparable branches. Resistance to aggressive media and environments is achieved by using high-grade materials such as stainless steel both for the measuring system and the case.

The glycerine filling provides wear-protection for the measuring system through damping, should pulsating pressures and mechanical vibrations occur. The measuring system is of accuracy class 1.0, has overrange protection amounting to 1.3 times the max. rating and can be loaded up to the full scale value.

The safety execution of the pressure gauges comprises a burstproof solid front between dial and Bourdon tube, a laminated safety glass as well as a blow-out back (according to EN 837-1/S3).

Pressure gauges with glycerine filling are equipped with a compensation diaphragm. This diaphragm avoids a pressure rise in the case that is due to temperature bound volume expansion of the liquid filling, thus avoiding indicated errors.

Features

- o Measuring system of high corrosion resistant materials, Stainless steel or Monel 400
- o Resistant to chemicals
- o Accuracy class 1.0
- Fulfills highest safety requirements to EN 837-1/S3
- o Solid front between measuring system and dial
- o Vibration-free display and long service life through glycerine filling

Ranges

0 ... 0.6 bar to 0 ... 4000 bar

Applications

Processing technology, Compressors Machine and apparatus construction.

Models: P1701, P2112, P2113, P2202

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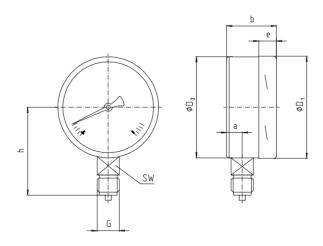
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Technical data

Model	P2112	P2113	P2202	P1701	Options
Nominal size					
Symbol					
Accuracy class to EN 837-1	1.0 1.6				
Ranges			0 1.6 bar to 0 400 bar itive gauge pressure	0 2500 bar to 0 4000 bar	
Application	scale value	up to 0.9 x full	3/4 fsv ¹⁾ 2/3 fsv full scale value	(P2112 + P2113 -	
Case	short-time: overload Stainless steel, 1.4	1.5 to 2 x)			
Bezel	Stainless steel, 1.4	Front flange			
Window	Laminated safety g	1 Torit hange			
Dial	Aluminium, white, s	Dual scale			
Pointer	Aluminium, black	Dual coale			
Movement	Stainless steel				
Measuring element	Stainless steel, 316 Bourdon tube up to				
Pressure connection	Stainless steel, 316	S L	Monel 400	Stainless steel	7
- position	radial bottom				
- thread	G 1/2 B (1/2 NPT)		M16x1.5 female with cone 60°		Other threads on request
Temperatures - Medium - Ambient	Tmin20°C, Tmax Tmin20°C, Tmax	200°C (without filling)			
Temperature drift	0.3% /10K if deviate				
Liquid filling	none glycerine				
Protection to	IP 65 EN 60 529 /IE	EC 529			
Orifice					ø 0.4 ; ø 0.8
Weight approx	0.60	00 kg	1,0	100 kg	

¹⁾ fsv = full scale value

Dimensions



Model	Dimensions [mm]										
	а	b	D1	D2	е	G	h ±1	SW			
P2112, P2113	24	57,5	101	100	17,5	G½ B	87	22			
P2202, P1701	24	57,5	101	100	17,5	G½ B	87	22			

Modifications reserved