

Differential pressure gauges with Bourdon tube, with parallel-plug

with measuring system stainless steel, with / without filling

Nominal size ND 80, 100

Connection position bottom, radial or back, centric



Description

The differential pressure gauges can be used with liquid, gaseous, aggressive, non-viscous and non-crystallizing media, even in aggressive environments.

Their task consists of measuring differential pressures or two different gauge pressures, such as in refrigeration engineering.

Moreover, a simultaneous measurement of steam pressure and the resulting steam temperature are possible.

Two independent indicating Bourdon tube measuring systems work in a stable stainless steel case.

Both pointers turn around the same axle and give + and - pressure separately.

The pointer of the low-pressure side has the shape of a dial. On this dial the pressure difference can be read directly up to 50% of the measuring range. In addition, the two individual pressures are also directly readable.

The differential pressures are equipped with a moving dial.

In case of dynamic pressure loads and vibrations, a good damping is achieved with a liquid filling.

Features

- o High reliability and long service life
- o Measuring system in compact design
- o Static pressure indicated for both sides
- o Differential pressure given on inner dial
- o Without and with filling possible
- o Combined pressure- and temperature scales as 2-fold, 3-fold or 4-fold – scales for all common refrigerants
- o Accuracy class 1.6
- o Measuring system stainless steel
- o Specification optional with double indicator
- o Dual scale bar / mWS

Ranges




0 ... 1.0 bar bis 0 ... 60 bar

Applications

refrigeration engineering
cooler, condenser and compressors
house engineering

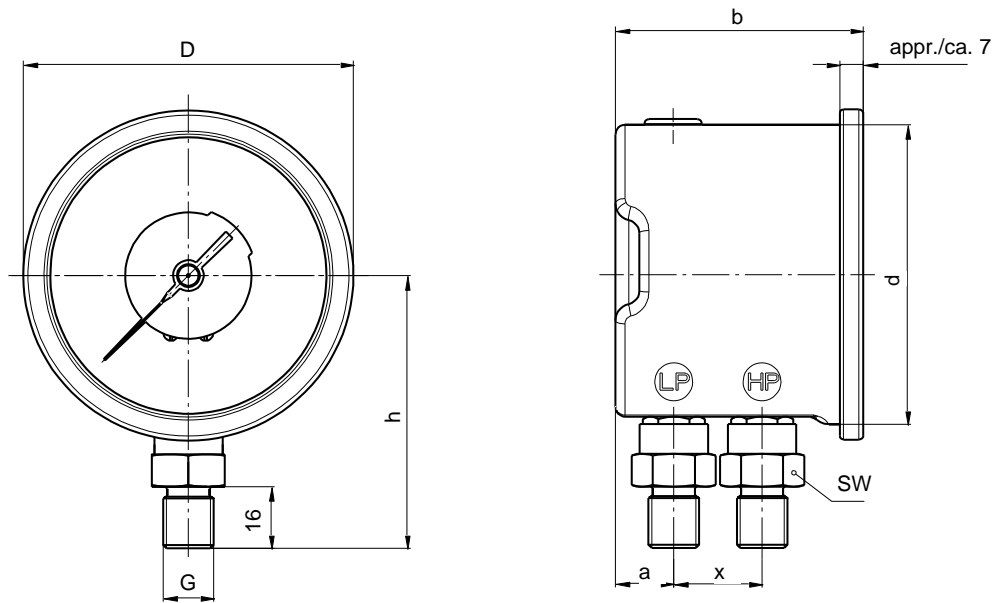
Models : P2625, P2626

Technical data

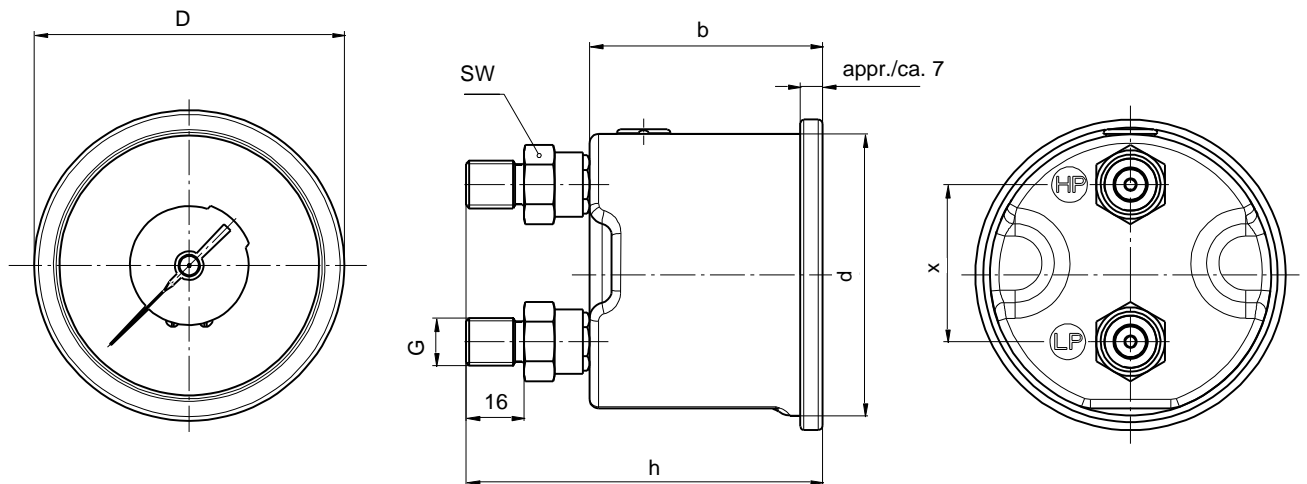
Models	P2625	P2626	Optionen
Nominal size	80		
Type	100		
			
Measuring system	Two independently indicating Bourdon tube measuring systems, parallel-plug		
Accuracy class	1.6 to EN 837-1		
Ranges	0 ... 1.0 bar to 0 ... 60 bar -1...0...+12 bar -1...0...+30 bar -1...0...+15 bar -1...0...+35 bar -1...0...+16 bar -1...0...+40 bar -1...0...+25 bar negative or positive or negative and positive gauge pressure In order to ensure a good readability, the differential pressure should be no less than 1/6 of the full scale value.		Other ranges on request
Application	Constant load : up to full scale value Alternating load : up to 0.9 x full scale value shortly : 1.3 x overloadable		
Case	Stainless steel		surface mounting flange, front or back, panel mounting clamp for panel mounting
Liquid filling	Without		Glycerine 99,7%
Bezel	Crimp ring, stainless steel polished		BR P2625: square front frame 88 x 88 mm
Window	Polycarbonat		
Dial	Al. white, scale and printing black		Type with dual scale bar /mWS
Pointer	Differential pressure: +) Standard pointer: Aluminium, black with moving dial -) Pointer scale: Aluminium, white scaled $\pm 50\%$ of main scale range as + and - differential pressure display Double pressure: +) Standard pointer: Aluminium, black -) Pointer scale: Aluminium, white scaled $\pm 50\%$ of main scale range as + and - differential pressure display		Design with duplex: mark pointer
Movement	Copper alloy, wear parts argentan		
Measuring element	Stainless steel, welded		
Connection	Stainless steel -position Bottom radial, parallel connected -thread 2 x G3/8B, SW 19 positiv-connection front, negativ-connection back (with \oplus and \ominus marked)		Connection position back 2 x G1/4B, 7/16-20UNF, (1/4 Flare), M12x1.5 for 6mm 2 x G1/2B (only possible by model P2625 back!) Other connections on request
Temperatures	- medium: T _{max.} +100°C - ambient: 0°C ... + 60°C		
Temperature drift	A deviation from normal temperature +20 ° C at the measurement system: max. $\pm 0.4\%$ / 10K on the respective scale value		
Protection	IP 65 acc. to EN 60 529 / IEC 529		IP 66 (only by filling case)

If ordering, please provide both pressures: a) maximum gauge pressure
 b) differential pressure

Dimensions



P2625 / P2626



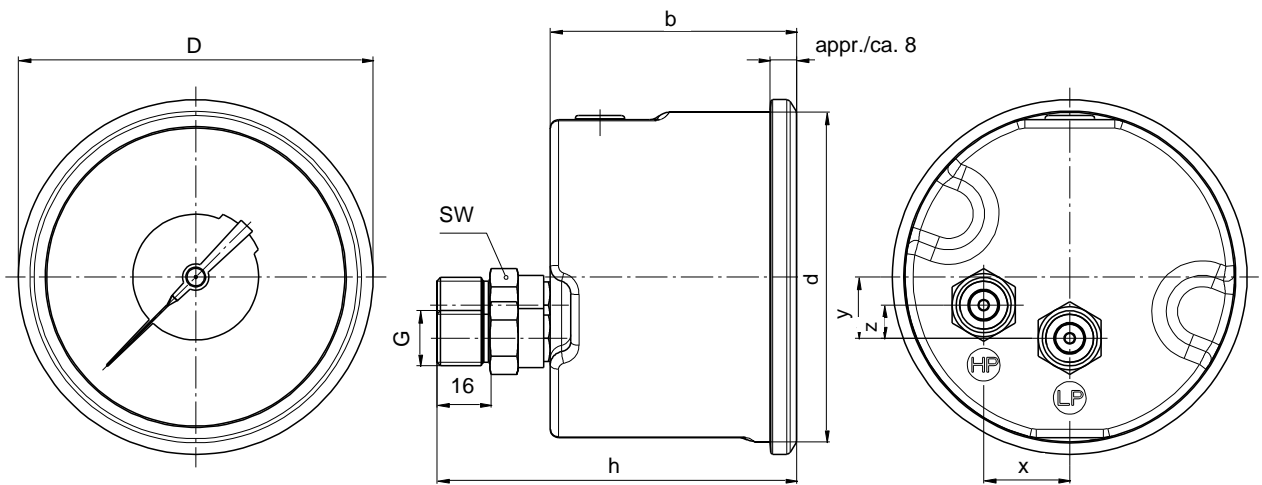
P2626

Connection thread: ⊕ : Pointer above

Connection thread: ⊖ : Pointer below with indicating dial

Model	dimension in mm												weight in kg
	ND	Connection - position	a	b	d	D	G	$h \pm 1$	x	y	z	SW	
P2625	80	radial	15	64.5	78	86	G 3/8 B	71	23	---	---	19	0.49
		back	---	64.5	78	86	G 3/8 B	99	43.5	---	---	19	0.53
P2626	100	radial	16	74	99.5	107	G 3/8 B	83	26.5	---	---	19	0.65
		back	---	74	99.5	107	G 3/8 B	109	26	18.5	10	19	0.71

Dimensions



P2626

Connection thread: \oplus : Pointer above

Connection thread: \ominus : Pointer below with indicating dial

Model	dimension in mm												weight in kg
	ND	Connection - position	a	b	d	D	G	$h \pm 1$	x	y	z	SW	
P2625	80	radial	15	64.5	78	86	G 3/8 B	71	23	---	---	19	0.49
		back	---	64.5	78	86	G 3/8 B	99	43.5	---	---	19	0.53
P2626	100	radial	16	74	99.5	107	G 3/8 B	83	26.5	---	---	19	0.65
		back	---	74	99.5	107	G 3/8 B	109	26	18.5	10	19	0.71

Ordering designations:

1. Model
2. Measuring range
3. Options