

# 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
- 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 Spezification 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

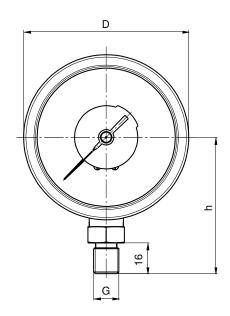
## **Technical data**

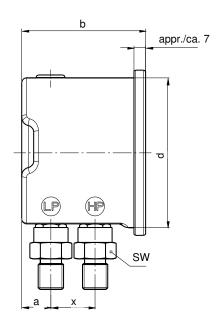
Models	P2625	P2626	Optionen			
Nominal size	80	100	- Pro-			
Туре						
Measuring system	Two independently indicating Bourdon	tube measuring systems, parallel-plug				
Accuracy class	1.6 to EN 837-1					
Ranges	0 1.0 bar to 0 60 bar -10+12 bar -10+30 bar -10+15 bar -10+35 bar -10+40 bar -10+25 bar negative or positive or negative and point order to ensure a good readability, the set than 1/6 of the full scale value.	ositive gauge pressure	Other ranges on request			
Application	Constant load : up to full scale va Alternating load : up to 0.9 x full sca shortly : 1.3 x overloadable	ale value				
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	-) Pointer scale: Aluminium, whi scaled ±50% of as + and - diffe  **Double pressure:** +) Standard poiner: -) Pointer scale: Aluminium, blacted Aluminium, whi scaled ±50% of as + and - diffe	main scale range erential pressure display ck	Design with duplex: mark pointer			
Movement	Copper alloy, wear parts argentan					
Measuring element	Stainless steel, welded					
Connection	Stainless steel					
-position	Bottom radial, parallel connected	Connection position back				
-thread	2 x G3/8B, SW 19 positiv-connection front, negativ-conn (with ⊕ and Θ marked)	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:	Tmax. +100°C					
- ambient:	0°C + 60°C	00.000 at the management of				
Temperature drift	A deviation from normal temperature - max. ± 0.4% / 10K on the respective s					
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

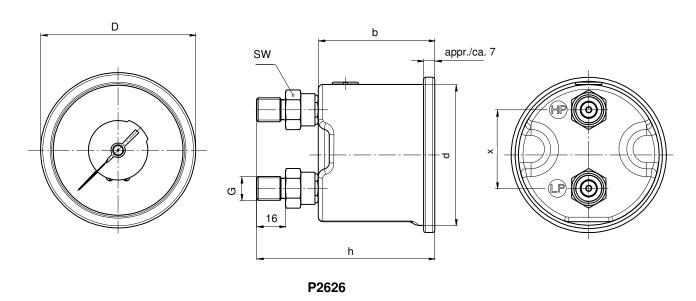
b) differential pressure

## **Dimensions**





P2625 / P2626

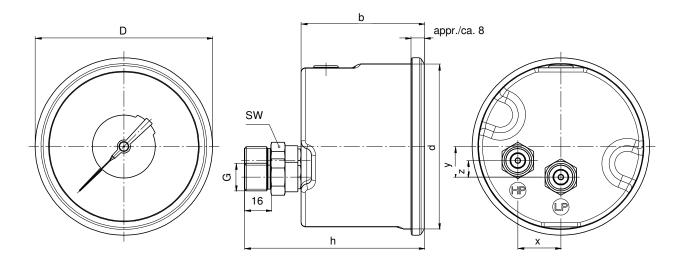


Connection thread:  $\oplus$ : Pointer above

Connection thread:  $\odot$ : Pointer below with indicating dial

Model	dimension in mm											weight in	
	ND	Connection - position	а	b	d	D	G	h ± 1	Х	у	Z	SW	kg
P2625	80	radial	15	64.5	78	86	G 3/8 B	71	23			19	0.49
	80	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:  $\Theta$ : Pointer below with indicating dial

	dimension in mm											weight in	
Model	ND	Connection - position	а	b	d	D	G	h ± 1	х	у	Z	SW	kg
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