ABSOLUTE PRESSURE GAUGE

CHEMICAL EXECUTION WITH DIAPHRAGM

Diameter 100 and 160

Accuracy class 1,6 according to EN 837-3

Description

Suitable for measuring liquids and gases. With open measuring flange designed for viscous media and media containing solids, too.

The device is fitted with a vacuum chamber.
This is sealed off from the process by a membrane. Thus, enabling absolute pressure to be measured.

Features

- Case with blow-out device
- Case and pressure element assembly of stainless steel
- Highly overload protected

Measuring ranges

0....60 mbar up to 0....2500 mbar absolute

Applications

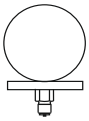
- Chemical and petrochemical industry
- General process technology
- Shipping
- Machinery construction

Options

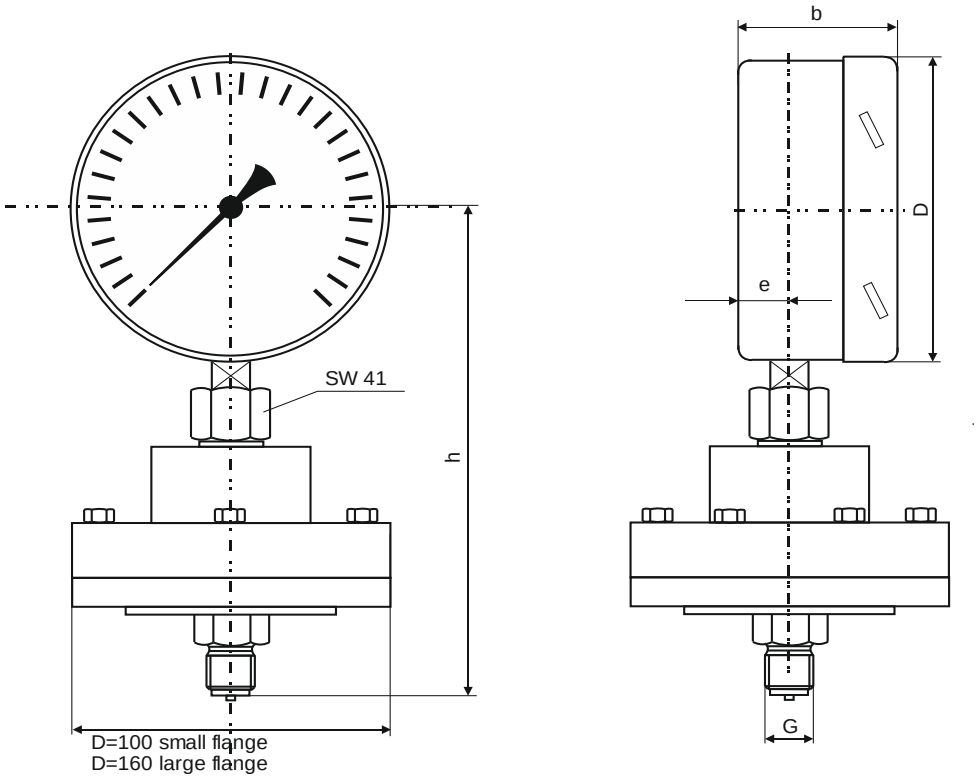
- Safety case with blow-out back and solid baffle wall

- Case with liquid filling and degree of protection IP 66

- Inspection certificate:
- Material acc. to DIN EN 10204
- Calibration certificate acc. to DIN EN 10204

Type	6400	6401	Options
Diameter	**100**	**160**	
Symbol			
Accuracy class	1,6		
Ranges	Flange Ø 160 mm: absolute 0…60, 0…100, 0…160, 0…250 mbar flange Ø 100 mm: absolute 0…400, 0…600, 0…1000, 0-1600, 0…2500 mbar		
Overload capacity	up to 250 mbar abs.: up to 5 bar overload protect up tor 250 mbar abs.: up to 10 bar ocerload protect		
Case / ring	1.4301, with blow-out plug		Safety execution according to EN 837-1 S3
Protection	IP 65 IP 66 with liquid filling		
Case sealing	Sealing: Perbunan Filling plug: Desmopan		
Window	Laminated safety glass		Makrolon
Pointer	Al black; zero-point adjustment		
Movement	Stainless steel		
Dial	Al white, scale and printing black		Marker pointer others on request
Pressure connection	G 1/2 B		1/2"NPT, open flange
Measurement	Diaphragm Duratherm (similar 1.4571) Measuring flange stainless steel 1.4571 Sealing to pressure area Perbunan		Sealing PTFE
Pressure equlizing membrane	Silicone		
Medium temperature	T_{min}. -20°C, T_{max}. 60 °C		
Ambient temperature	T_{min}. -40°C, T_{max}. 70°C		
Note to temperatures	With liquid filled gauges the temperature ranges of the filling liquid must be observed!		
Temperature drift	max. ±0,4% / 10K end of scale value		

Dimensioned drawing



Type	Dimensions in mm					
	ND	D	G	b	e	h
6400	100	100	G 1/2 B	59	21	176
6401	160	160	G 1/2 B	59	21	208