

# Pressure gauge with diaphragm Industry version with or without filling

Nominal size ND 100 , 160  
Accuracy class 1,6 and 2,5

according to DIN EN 837-3

### Features

High resistance to overpressure  
Robust stainless steel case  
Highly suitable for extremely viscous or crystallizing media

### Applications

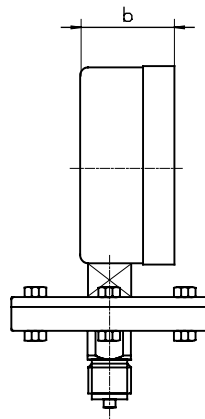
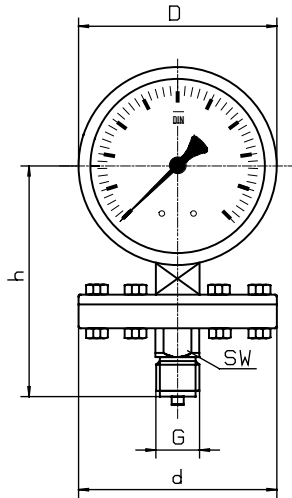
Food and beverage industries,  
Mechanical engineering, plant and apparatus construction ,



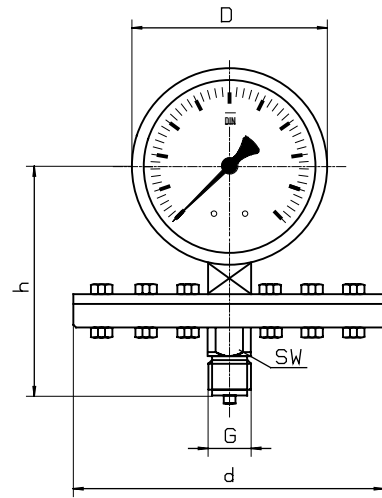
Version	with glycerine filling			
Model and ND	IMP-20 100	IMP-20 160	IMP-20 100 F	IMP-20 160 F
Connection	bottom			
Accuracy class	1,6, ranges under 600 mbar with filling only Kl. 2,5			
Ranges	0...10, 16, 25, 40, 60, 100, 160, 250 0...40 60, 100, 160, 250			
	in mbar			
	in bar			
	in bar			
Application	Constant load full scale value Alternating load 0,9 x full scale value Overload protection 1,3 x full scale value short time			
Case	CrNi steel	steel black	CrNi steel	
Bezel	CrNi steel	steel black	CrNi steel	
Window	Glas lens			Laminated safety glass
Dial	Aluminium white, scale black			
Pointer	Aluminium, black			
Movement	Copper alloy ,bearing parts nickel silver			
Flangediameter	160 mm up to 250 mbar, 100 mm from 0,4 bar			
Measuring element	CrNi steel, from 2,5 bar Duratherm 600			
Lower flange	SW 22, Steel zincing			
Connection	G 1/2 B and DIN-flange DN 15, 20, 25 and 50, for all PN 40			
Protection	IP 54 according to EN 60529 / IEC 529		IP 54 according to EN 60529 / IEC 529	
Temperatures	Medium: -20°C to 100°C, Ambient: -25°C to 60°C			

# Dimensions

Flange 100 mm



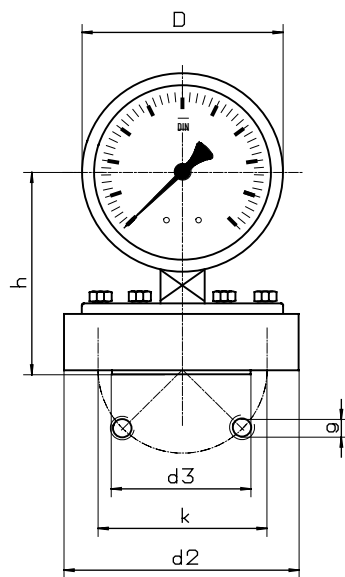
Flange 160 mm



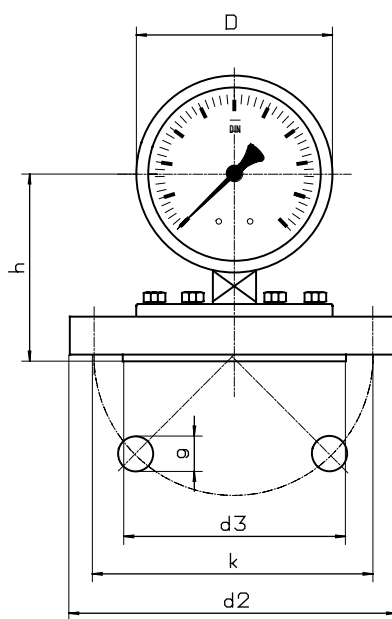
## Flange according to DIN

Flange 100 mm

DN 25

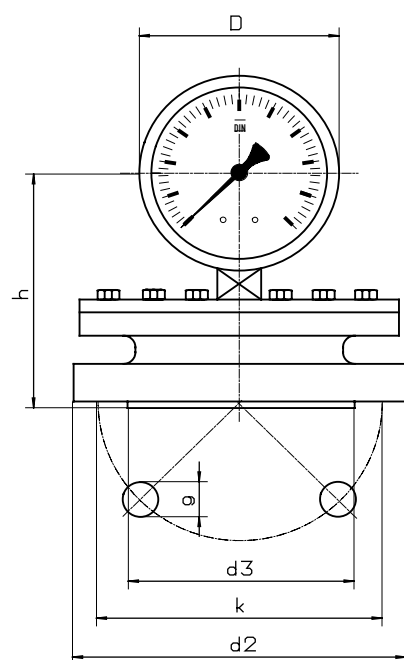


DN 50



Flange 160 mm

DN 50



### Modelspecification

Model  
IMP-2

Connection

0

bottom = 0

Filling

F or -

with filling = F  
without filling =

Nominal size

100 or 160

Case ND 100 = 100  
Case ND 160 = 160

Range

f.e. 10 bar

after rangespecification  
or direkt 10 bar

Options

for example  
f.e. DIN-flange DN 50

Dimensionstable lock at data sheet M 590