

## Pressure gauges with diaphragm Stainless steel , 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  
High corrosion resistance with chemically aggressive media and environments  
Damping of the indicator by glycerine filling

### Applications

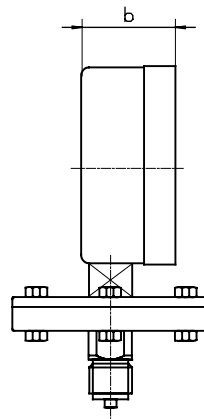
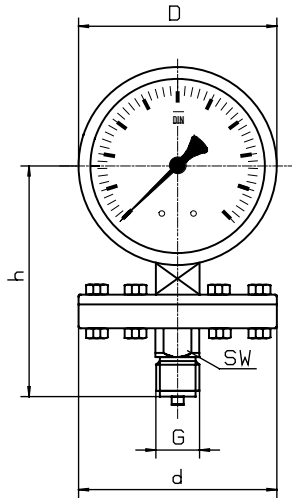
Chemical and petrochemical industry  
Food and beverage industry  
Mechanical engineering ,plant and apparatus construction



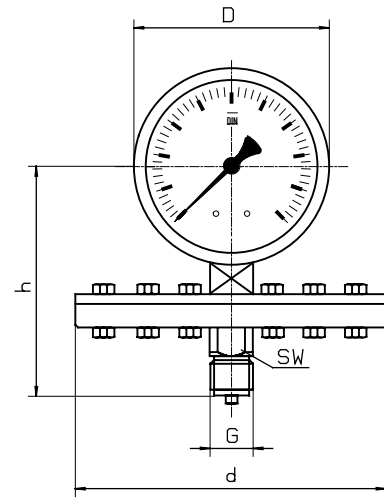
Version	with glycerin filling			
Model and ND	IMP-30 100	IMP-30 160	IMP-30 100 F	IMP-30 160 F
Connection	bottom			
Accuracy class	1,6, Ranges < 400 mbar with glycerine filling 2,5			
Ranges in mbar	0...10, 16, 25, 40, 60, 100, 160, 250		0...40, 60, 100, 160, 250	
in bar	0...0,4, 0,6, 1, 1,6, 2,5, 4, 6, 10, 16, 25			
in bar	-0,6 / 0, -1 / 0, -1 / +0,6, -1 / +1,5, -1 / +3, -1 / +5, -1 / +9, -1 / +15			
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	l e e t s i N r C			
Bezel	CrNi steel			
Window	Laminated safety glass			
Dial	Aluminium white, scale black			
Pointer	Aluminium, black			
Movement	CrNi steel			
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, CrNi steel			
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 65 according to EN 60529 / IEC 529	
Temperatures	Medium: -20°C to 100°C, Ambient: -25°C to 60°C			

# Dimensions

Flange 100 mm



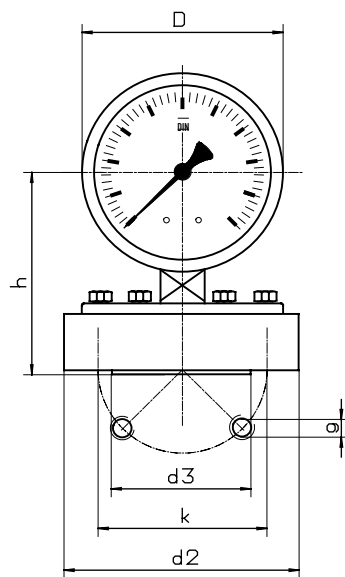
Flange 160 mm



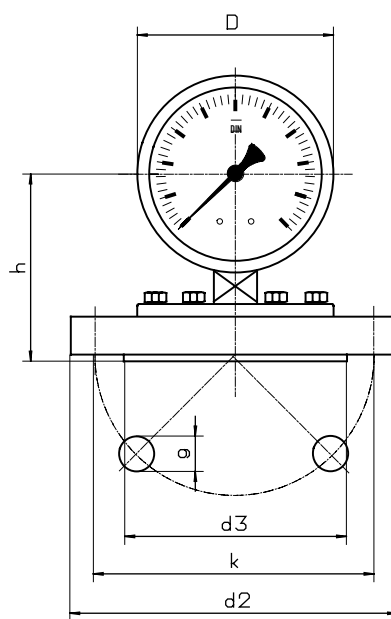
## Flange according to DIN

Flange 100 mm

DN 25

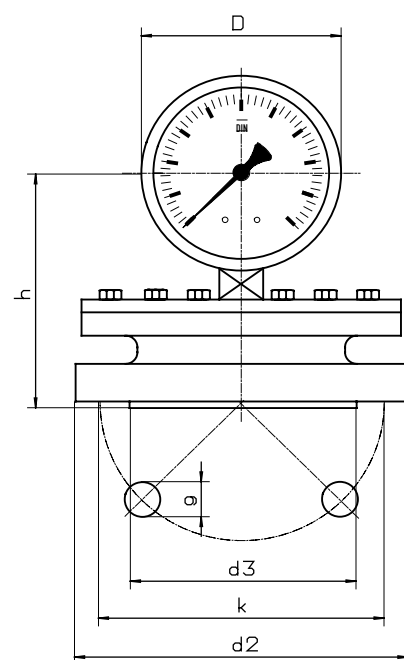


DN 50



Flange 160 mm

DN 50



### Modelspecification

Model  
IMP-3

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  
z.B. DIN-Flansch DN 50

Dimensionstable lock at data sheet M 590