



Diaphragm Seal Systems - SH 0528

- This type gauges have horizontal pressure element and also called Schaffer type.
- Horizontal Diaphragm (Schaeffer type) gauges are used to measure low pressure or vacuum.
- Diaphragm is directly connected to movement, gauge readouts are swift and stable when compared to Bourdon tubed gauges
- All diaphragm groups are manufactured from AISI 316L. Hastelloy C276 or Monel 400 diaphragms can be manufactured upon request
- Diaphragm can be PTFE coated on request
- Diaphragm Separated types should be used if the process fluids are highly viscous, corrosive or cloggable,
- Highly suitable for pressure measurement of viscous fluids or crystallisable mediums.
- Diaphragm groups which are used to measure low pressures.
- Can not be used in vibrating environments or with pulsating pressures.

Industry Sector: Petro-chemical plants, Mining industry, Machinery Manufacturing and Hydraulics/Pneumatics



Usage Properties

Operating Pressure (max.)	· Must not exceed full scale.
Conformity	· EN 837 - 3
Accuracy Class	· CL 1.6
Ambient Temperature	· -25°C...+85°C
Protection Rate	· IP 65
Fluid Temperature	· Maximum + 120 °C
Storage Temperature	· -40 ... +70 °C

Constructive Properties

Process Connection	· Flange Connection
Scale Unit	· bar
Scale Range (PN)	· 0/0,6 · 0/1 · 0/1,6 · 0/2,5 · 0/4 · 0/6 · 0/10 · 0/16 · 0/25
Diaphragm Body	· Stainless Steel AISI-316L
Diaphragm	· ≤2,5 bar AISI 316L · ≥4 bar Duratherm
Case	· Stainless Steel AISI-316L
Bezel	· Stainless Steel AISI-316L
Movement	· Stainless Steel
Window	· Safety Glass
Dial	· Aluminum
Pointer	· Aluminum
Nominal Diameter	· Ø100 mm · Ø160 mm
Nuts & Bolts	· Stainless Steel AISI-304

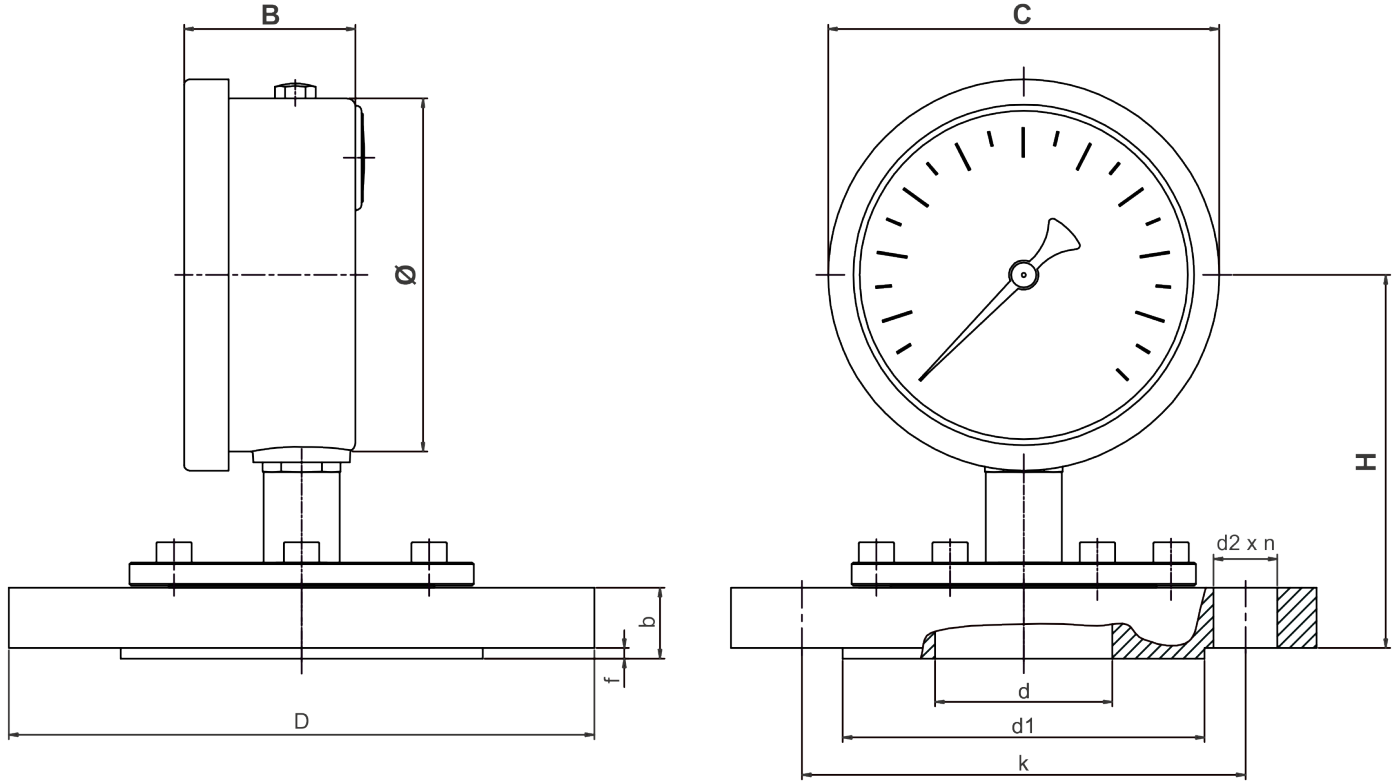
Constructive Properties

Sealing · Viton

Contact Types

Flange Size · DN 50

Technical Drawings - SH 0528



 Ø	H	B	C	DN	Model#
100	105	48,5	110	50	0528 06
160	135	49	174	50	

DN	d	D	b	k	d ₁	f	d ₂ x n
50	50	165	20	125	102	3	18 x 4