

Diaphragm type pressure gauge

Model SDS

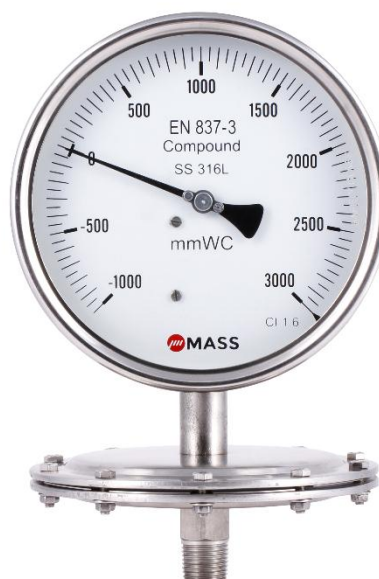
Nominal size: 100 mm (4"), 150 mm (6")
 ASME B40.100 / EN 837-3 / IS-3624
 Accuracy: Class 1.6 (1.6%)

Features

- Stainless steel construction
- Suitable for corrosive environments
- Protection IP54, optional IP66
- Usable to full scale
- Overload protection 130%

Ranges

-30 in. Hg ... 0 psi up to 0 ... 30 psi
 -1 ... 0 bar up to 0 ... 2.5 bar & kg/cm²
 -100 ... 0 kPa up to 0 ... 250 kPa



Applications

Chemical and petrochemical industry
 Machine and apparatus construction
 Food and beverage industry
 Pulp and paper industry

Technical specification	SDS	
Dial size [mm]	100	150
Construction	Open front cylindrical case, optional with blow out disc at the back	
Measuring principle	Horizontal diaphragm	
Range [mmwc]	250 400 600 1000 1600 2500 4000 -250/0 -400/0 -600/0 -1000/0 -1600/0 -2500/0 -4000/0	
[kg/cm ² (or bar)]	0,6 1,0 1,6 2,5 -1/0 -1/0,6 -1/1,5	
Overpressure limit	130 % F.S., short time.	
Pressure type	Gauge, vacuum and compound	
Process connection	1/4" 3/8" 1/2" BSP / NPT (M), M20x1.5(M) Direct flange as per DIN/ANSI Others on request	
Connection location	Lower	
Material		
Process connection	Stainless steel 316 optional Stainless steel 316L , PTFE lined	
Diaphragm	Stainless steel 316L optional PTFE protected	
Case/bayonet ring	Stainless steel 304 optional 316L	
Window	Instrument glass optional laminated safety glass	
Dial	Aluminum, black markings on white background	
Pointer	Aluminum, black, optional micrometer adjustment	
Movement	Stainless steel 304	
Accuracy	Class 1.6 (1.6 % F.S.)	
Permissible		
Ambient temperature	-40 ... 60 °C (-40 ... 140 °F)	
Medium temperature	Max. 100 °C (212 °F)	
Storage temperature	-40 ... 60 °C (-40 ... 140 °F)	
Effect	Max. 0,5 % / 10 K	
Protection according	IP54, Optional IP65, IP66	
Mounting	Standard stem or flange	
Weight ≤ 600 mbar / > 600 mbar [kg]	1.66 / 1.26	1.99 / 1.59
Accessories, options	Valves, dampener, gauge saver, etc.	

