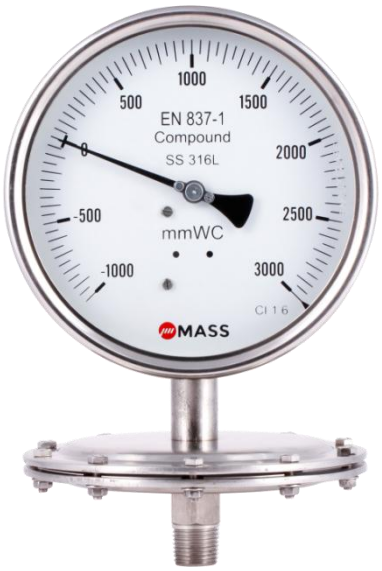
Diaphragm type pressure gauge
Model SDS

Nominal size 100 mm or 150 mm
Accuracy: Class 1.6 (1.6%)



Features

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

Ranges

-25 ... 0 mbar up to 0 ... 2,5 kg/cm^2
-250 ... 0 mmWC up to 0 ... 30 psi

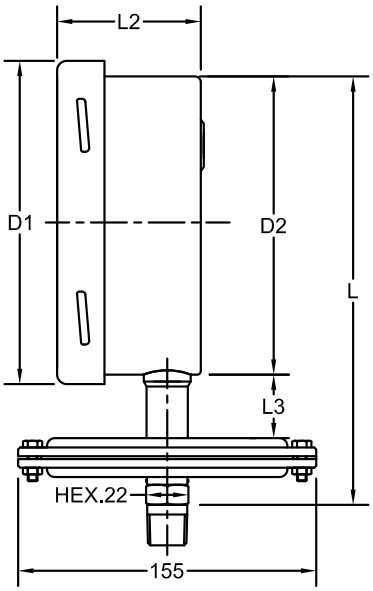
Applications

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

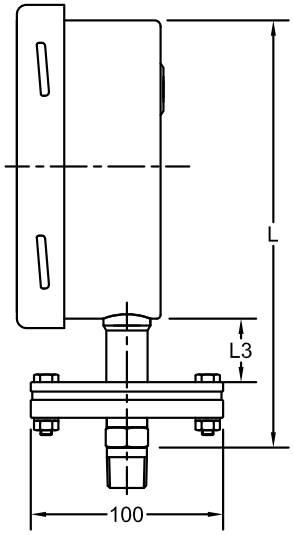
Technical specification	**SDS**	
Dial size [mm]	100	150
Construction	Open front cylindrical case, optional with blow out disc at the back	
Measuring principle Range [mmwc] [kg/cm^2] Overpressure limit Pressure type	Horizontal diaphragm 250 400 600 1000 1600 2500 4000 -250/0 -400/0 -600/0 -1000/0 -1600/0 -2500/0 -4000/0 0,6 1,0 1,6 2,5 -1/0 -1/0,6 -1/1,5 130 % F.S., short time. 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 Diaphragm Case/bayonet ring Window Dial Pointer Movement	 Stainless steel 316 optional Stainless steel 316L , PTFE lined Stainless steel 316L optional PTFE protected Stainless steel 304 optional 316L Instrument glass optional laminated safety glass Aluminum, black markings on white background Aluminum, black, optional micrometer adjustment Stainless steel 304	
Accuracy	Class 1.6 (1.6 % F.S.)	
Permissible Ambient temperature Medium temperature Storage temperature Effect	 -25 ... 50 °C Max. 100 °C -40 ... 60 °C Max. 0,5 % / 10 K	
Protection according	IP54, Optional IP65	
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.	

All specifications are subject to change without notice.

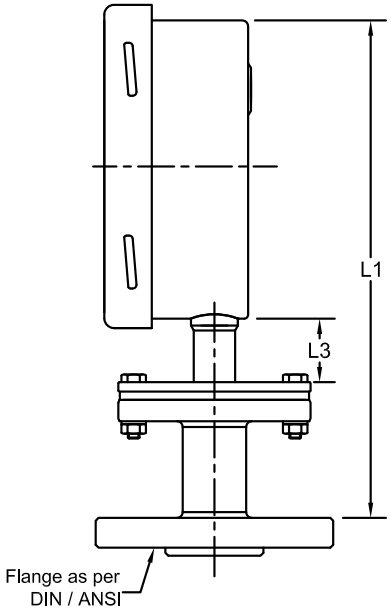
General dimensions in mm



For ranges <= 6000 mmWC



For ranges > 6000 mmWC



SIZE	100	150
ØD1	109	166
ØD2	98.5	152
L	160.5	214
L1	195	248.5
L2	51	52
L3	30	30

Order information

Size	Type	System material	Process connection	Rating	Facing	Range	Engineering units	Blow out/case material	Options
(100) 100 mm **(150)** 150 mm	**SDS**	**(S)** Diaphragm 316L, flange 316 **(L)** Diaphragm 316L, flange 316L **(SP)** Diaphragm 316L & flange 316, PTFE protected	**(04)** 1/2" NPT (M) **(03)** 3/8" NPT (M)[2] **(02)** 1/4" NPT (M)[2] **(15)** 1/2" BSP (M) **(14)** 3/8" BSP(M)[2] **(13)** 1/4" BSP(M)[2] **(16)** M20x1.5(M)	**(NA)**	**(T)**	**-250/ 0** **-400/ 0** **-600/ 0** **-1000/ 0** **-1600/ 0** **-2500/ 0** **-4000/ 0** **0/ 250** **0/ 400** **0/ 600** **0/ 1000** **0/ 1600** **0/ 2500** **0/ 4000**	**(mmWC)**	**(=)** Standard without blowout **(IP)** Ingress protection IP65 **(RB)** Blow out disc **(YW)** Case material 316L (1.4404)	**(NH)** Tagging wired **(CS)** Dual scale **(OF)** Oil free **(MP)** Micrometer pointer **(SG)** Safety glass **(DA)** Dial marking
			ANSI Flanged **(05)** 1/2" **(07)** 3/4" **(10)** 1" **(15)** 1 ½" **(20)** 2"	**(150)** 150 lbs **(300)** 300 lbs **(600)** 600 lbs	**(FF)** Flat face [1] **(RF)** Raised face [1]				
			DIN Flanged **(DN15)** **(DN25)** **(DN40)** **(DN50)**	**(PN10)** **(PN16)** **(PN25)**		**-1/ 0** **-1/ 1,5** **0/ 0,6** **0/ 1** **0/ 1,6** **0/ 2,5**	**(kg/cm2)** psi and others on request		

1) The DIN-flange facing depends on nominal size and nominal pressure 2) Not for system material (SP)

How to order

Size	Type	System material	Process connection	Rating	Facing	Range	Engineering unit	Filling/Case material	Option
100	SDS	S	04	NA	T	0/400	MMWC	=	NH

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