

SCHAFFER DIAPHRAGM PRESSURE GAUGE-ECO DESIGN SSKE16-2

APPLICATIONS

- Liquid & gaseous mediums
- Corrosive environments
- Oil & Gas applications
- Chemical & Petrochemical
- Food & Beverages
- Nuclear power plants

FEATURES

- All SS measuring system
- Socket-case, direct welded
- Threaded / Flanged connection
- External zero adjustment



DIAPHRAGM PRESSURE GAUGE-ECO DESIGN, SSKE16-2

DESCRIPTION

General

Design : EN 837-3

Accuracy : $\pm 1.6\%$ of full scale

Ambient temperature : $-40 \dots +65^\circ\text{C}$

Service temperature : 100°C max.

Pressure limits : Steady pressure up to FS value
Fluctuating pressure up to 90% of FS value

Weld joints : TIG argon arc welding

Material of construction

Sensing element : Diaphragm

Case & Ring material : AISI 304 SS (Bayonet type) **Top chamber :** AISI 304 SS-Sheet Metal

Diaphragm : AISI 316 SS / Monel / Hastelloy C-276

Bottom chamber : AISI 316 SS / Monel/Hastelloy C-276 - Sheet Metal

Movement mechanism : AISI 304 SS

Dial : Aluminum, black graduation on white background

Pointer : Micro-adjustable, aluminum, black powder coated

Gaskets, Blow-off disc & filling plug : Neoprene / NBR

Window : Sheet glass / Shatterproof Safety Glass

Standard version

Dial size : DN100 / DN150

Range : $-1 \dots 0 \dots 25$ bar [Standard] / $60 \dots 600$ mbar [Low pressure]
 $6 \dots 40$ mbar [Very low pressure]

Mounting pattern : Direct, Bottom connection

Process connection : $\frac{1}{2}$ " NPT (M) / $\frac{1}{2}$ " BSP (M)

Ingress protection : IP 54

Execution : Dry

Temperature effect

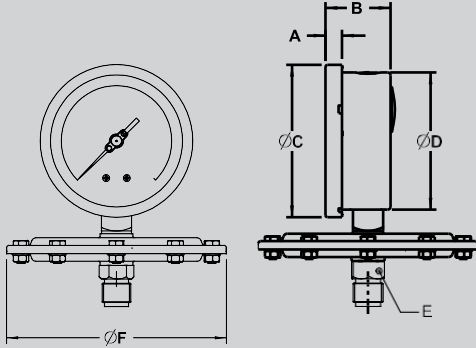
When temperature of the measuring system deviates from reference temperature ($+20^\circ\text{C}$) :

max error $\pm 0.4\%$ / 10K of true scale value.

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DIMENSIONAL DRAWING



- NOTES
1. Drawing not to scale. All dimensions are in mm.
 2. For other mounting details, Panel cut-out dimensions, kindly contact factory.

Range	DN	A	B	ØC	ØD	E	ØF
-1 to 25 bar	100	12	48	111	100	A/F-22	98
	150	15	48	161	149	A/F-22	98
40 mbar to 600 mbar	100	12	48	111	100	A/F-22	160
	150	15	48	161	149	A/F-22	160
6 mbar to 40 mbar	100	12	48	111	100	A/F-22	180
	150	15	48	161	149	A/F-22	180

ORDERING CODES

MODEL	SSKE16-2 Schaffer Diaphragm Pressure Gauge - ECO Design			SSKE16-2
DIAL SIZE	D4 4" / 100 mm	D6 6" / 150 mm		D4
MOUNTING	M1 Direct bottom			M1
CONNECTION	P04 ¼" NPT (M) P03 ¼" BSP (M)	P08 ½" NPT (M) P05 3/8" BSP (M)	P20 M20 X 1.5 mm (M) P07 ½" BSP (M)	P08
CASE FILLING	F1 Dry			F1
WETTED PARTS	S01 AISI 304 SS S10 Hastelloy C-276	S02 AISI 316 SS	S05 Monel	S01
INGRESS PROTECTION	I1 IP 65			I1
RANGE	0-1 bar Please mention range required with the measurement unit [SSKE offer in all types of National & International measurement units, e.g. kg/cm ² , psi, kPa, etc. with single or dual scales]			0-1 bar
OTHER OPTIONS	E16 5 - point calibration certificate E28 SS tag plate, AISI 316 SS E20 Cleaned for Oxygen service	E31 Custom designed dial E27 SS tag plate, AISI 304 SS E10 Over range protection 1.5xFS	E32 Dial tag marking E33 AISI 316 SS case & ring	E16/E27

Ordering Example : SSKE16-2-D4.M1.P08.F1.S01.I1/0-1 bar/E16/E27