

FULLY WELDED DIAPHRAGM SEAL WITH PRESSURE GAUGE

SSKE18-2

APPLICATIONS

- Sanitary, food & beverages
- Optional electric contacts
- Optional transmitter output
- Filled version

FEATURES

- Dairy, Ice cream industries
- Pharmaceutical industries
- Sterilization applications



HOMOINIZER PRESSURE GAUGE, SSKE18-1

DESCRIPTION

General

Design : EN 837-3

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

Ambient temperature: -40...+65°C [without dampening liquid]
-20...+65°C [with dampening liquid]

Service temperature : 10...150°C max.

Pressure limits : Steady pressure up to FS value

Fluctuating pressure up to 90% of FS value

Short time 1.3 x FS value for range up to 100 bar

Short time 1.15 x FS value for range above 100 bar

Weld joints : TIG argon arc welding

Material of construction

Sensing element : Diaphragm

Case & Ring material : AISI 304 SS (Bayonet type)

Diaphragm, Bourdon tube & Shank : AISI 316L SS

Movement mechanism : AISI 304 SS

Dial : Aluminum, black graduation on white background

Pointer : Fixed, aluminum, black powder coated

Gaskets & filling plug : Neoprene

Window : Plexi glass

Standard version

Dial size : DN100

Range : -1...600 bar

Mounting pattern : Direct, Bottom connection

Process connection : Without mounting flange

Seal filling fluid : Glycerine [10°C to 150°C]

Ingress protection : IP 65

Execution : Dry / Dry but fillable

Filled versions

Glycerin

Window : Plexi glass

Dampening liquid : Glycerin 99.7%

Temperature effect

When temperature of the measuring system deviates from reference temperature (+20°C) :

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

FULLY WELDED DIAPHRAGM SEAL WITH PRESSURE GAUGE

SSKE18-2

DIMENSIONAL DRAWING

ORDERING CODES

MODEL			SSKE18-2 D2 M1 P4 2 F2 S0 2 I1 0-250 bar E16/E27		
SSKE18-2 Fully Welded Diaphragm Seal with Pressure Gauge					
DIAL SIZE					
D4	4" / 100 mm				
MOUNTING CONNECTION					
CASE FILLING					
F1	Dry	F2 Dry but fillable		F3 Glycerin filled	
WETTED PARTS					
S02	AISI 316 SS	S03		AISI 316L SS	
INGRESS PROTECTION					
I1	IP 65	I6	IP 68		
RANGE					
0-250 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]					
OTHER OPTIONS					
E16	5 - point calibration certificate	E31	Custom designed dial	E32	Dial tag marking
E17	Material test certificate 3.1	E21	Material test certificate 2.2	E28	SS tag plate, AISI 316 SS
E27	SS tag plate, AISI 304 SS	E47	Crimped case & ring		

Rev00

© 2016 SSKE All rights reserved. The technical details & specifications are provided as such at the time of printing. Technical changes and omissions may happen later.

Ordering Example : SSKE18-1.D2.M1.P42.F2.S02.I1/0-250 bar/E16/E27

SHREE SAMARTH KRUPA ENGINEERS

Contact : +91 8155865961, +919586682557

prakash@shree-samarthkrupa.com, www.shree-samarthkrupa.com

