

WAFER DIAPHRAGM SEAL (PAN CAKE TYPE)

SSKE28-1

APPLICATIONS

- Separation systems
- Isolation applications
- Viscous & corrosive media
- High-pressure applications
- High vibration application

FEATURES

- Compact Design
- Flushed diaphragm
- Welded diaphragm
- Optional exotic materials



WAFER DIAPHRAGM SEAL, SSKE28-1

DESCRIPTION

General

Suit to Flange design : ANSI B16.5 / EN 1092-1 / BS-10

Storage temperature : -40...+65°C

Service temperature : 370°C max.

Weld joints : Welded Diaphragm and other Parts

Material of construction

Sensing element : Diaphragm

Chamber material : AISI 304 SS

Diaphragm : AISI 316L SS / Monel 400 / Hastelloy C-276
Inconel 600 / Titanium / Tantalum

Matting Flange material : ASTM A105 / AISI 304SS/
AISI 316 SS / AISI 316L SS / Monel / Titanium
Hastelloy C-276 / Tantalum

Hardware : AISI 304 SS,

Capillary : AISI 304 SS / AISI 316 SS

Armour : AISI 304 SS / AISI 316 SS / PVC

Remote distance : 0.25 Mtr. to 25 Mtr.

Standard version

Seal type : -1...250 bar (Flange $\geq 1.5''$) /
4...250bar (Flanges $\frac{1}{2}''$ to $1''$)

Instrument connection : $\frac{1}{4}''$ NPT(F) / $\frac{1}{2}''$ NPT (F) / $\frac{1}{2}''$ BSP (F)

Sealing fluid : Silicon DC 200 [-40...205°C]

Process connection : Flange as per standard between $\frac{1}{2}$ to $3''$

Flange facing type : Flat Face / Raised Face / Ring Type Joint

Wetted parts protection

Coating on Bottom chamber & diaphragm [Code E69]

Material : PTFE [spray coated & oven baked]

Service temperature : 150°C max.

Filling liquids Vs Temperature range

CODE	Fluid Name	Temperature Range
L1	Silicon DC200	-40°C to 205°C
L2	Glycerin	10°C to 150°C
L3	Food Grade oil	-20°C to 140°C
L4	Syltherm 800	-40°C to 315°C
L5	Silicon DC710	7°C to 371°C

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ORDERING CODES

MODEL				SSKE28-1
SSKE28-1 Wafer diaphragm seal				
SEAL TYPE				R12
R12	-1...0...250 bar [Flange ≥1.5"]	R13	4...250bar [Flanges ½" to 1"]	
CHAMBER				S01
S01	AISI 304 SS	S02	AISI 316 SS	
DIAPHRAGM				S03
S03	AISI 316L SS	S05	Monel 400	
S06	Inconel 600	S07	Titanium	
		S10	Hastelloy C-276	
		S08	Tantalum	
MATTING FLANGE				S02
S01	AISI 304 SS	S02	AISI 316 SS	
S05	Monel 400	S10	Hastelloy C-276	
S08	Tantalum	S03	AISI 316L SS	
		S07	Titanium	
INSTRUMENT CONNECTION				P28
P28	½" NPT (F)	P23	¼" BSP (F)	
P24	¼" NPT (F)	P27	½" BSP (F)	
PROCESS CONNECTION-SUIT TO STANDARD FLANGES				XXX
XXX	As per Flange table			
FLANGE FACING				G1
G1	Serrated raised face	G2	Flat face	
G4	Tongue & Groove face	G3	Ring type joint face	
SEALING FLUID				L1
XX	As per Filling liquid Vs Temperature Rating table			
EXECUTION				R2
R2	Remote			
CAPILARY				XX
S01	AISI 304 SS	S02	AISI 316 SS	
ARMOUR MATERIAL				XX
S01	AISI 304 SS	S02	AISI 316 SS	
		S16	PVC [Ambient ≤60°C]	
REMOTE DISTANCE				XXXXX
XXXXX	500 mm (Min.) to 25000 mm (Max.)			
OTHER OPTIONS				XXX
E77	Dry Seal	E31	Material test certificate 3.1	
		E32	Material test certificate 2.2	

Ordering Example : SSKE28-1-R12.S01.S03.S02.P28.F07.G1.L1.R2/XX.XX.XXXXX/XXX