

FLANGED DIAPHRAGM SEAL - EXTENDED NECK

SSKE20-2

APPLICATIONS

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

FEATURES

- For flanges all sizes
- Optional exotic materials



FLANGED DIAPHRAGM SEAL - EXTENDED NECK, SSKE20-2

DESCRIPTION

General

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

Storage temperature : -40...+65°C

Service temperature : 370°C max.

Weld joints : Diaphragm and Other Parts by
TIG argon arc welding

Material of construction

Sensing element : Diaphragm

Flange material : ASTM A105 / AISI 304 SS / AISI 316 SS

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

Extended Neck material : ASTM A105 / AISI 304SS

AISI 316 SS / AISI 316L SS / Monel / Titanium
Hastelloy C-276 / Tantalum #

Capillary : AISI 304 SS / AISI 316 SS

Armour : AISI 304 SS / AISI 316 SS / PVC

Remote distance : 0.25 Mtr. to 15 Mtr.

Standard version

Seal type : -1...0...21 bar [Eco] / -1...0...70 bar [Standard] /
100...400 bar [High pressure]

Instrument connection : ½" NPT (F) / ½" BSP (F)

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

Process connection : Flange as per standard

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	FoodGradeoil	-20°C to 140°C
L4	Syltherm 800	-40°C to 315°C
L5	Silicon DC710	7°C to 371°C

Check temperature & pressure rating with factory before ordering.

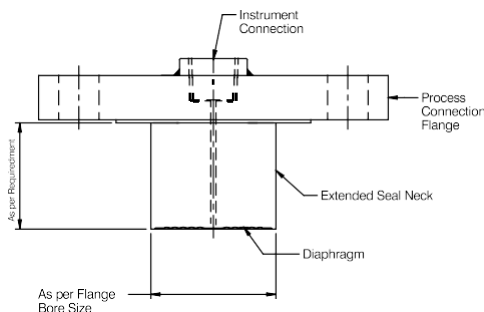
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ORDERING CODES

MODEL						SSKE20-2	
SSKE20-2 Flanged Diaphragm seal -Extended Neck							
SEAL TYPE							A3
A3 Flanged Diaphragm seal -Extended Neck							
FLANGEMATERIAL							S01
S09	ASTM A105	S01	AISI 304 SS	S02	AISI 316 SS		
DIAPHRAGM MATERIAL							S03
S03	AISI 316L SS	S05	Monel 400	S10	Hastelloy C-276		
S06	Inconel 600	S07	Titanium	S08	Tantalum		
EXTENDED NECK MATERIAL							S02
S01	AISI 304 SS	S02	AISI 316 SS	S03	AISI 316L SS		
S05	Monel 400	S10	Hastelloy C-276	S07	Titanium		
S08	Tantalum						
INSTRUMENT CONNECTION							P28
P28	½" NPT (F)	P23	¼" BSP (F)	P27	½" BSP (F)		
P24	¼" NPT (F)						
PROCESS CONNECTION							XXX
XXX As per Flange table							
FLANGE FACING							G1
G1	Serrated raised face	G2	Flat face	G3	Ring type joint face		
G4	Tongue & Groove face						
SEALING FLUID						L1	
XX As per Filling liquid Vs Temperature Rating table							
EXECUTION						R1	
R1	Direct	R2	Remote				
CAPILLARY MATERIAL						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						E31	
E77	Dry Seal	E31	Material test certificate 3.1	E32	Material test certificate 2.2		
E114	PTFE Coating on Diaphragm						

Ordering Example : SSKE20-2-A3.S02.S03.S02.P28.F07.G1.L1.R1/XX.XX.XXXXX/XXX



NOTES

- Standard GA Drawing. Not to scale.
- Detailed GA Drawings are available, kindly contact factory.

SHREE SAMARTH KRUPA ENGINEERS

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