

SADDLE DIAPHRAGM SEAL -WELD ON PIPE LINE

SSKE28-2

APPLICATIONS

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

FEATURES

- Weld on Pipe Line Design
- Flushed diaphragm
- Welded diaphragm
- Optional exotic materials



WAFER DIAPHRAGM SEAL, SSKE28-2

DESCRIPTION

General

Suit to Pipe Size design

Storage temperature : -40...+65°C

Service temperature : 370°C max.

Weld joints : Welded Diaphragm

Material of construction

Sensing element : Diaphragm

Top Chamber material : AISI 304 SS

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

Bottom Chamber 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

Instrument connection : 1/4" NPT(F) / 1/2" NPT (F) / 1/2" BSP (F)

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

Process connection : Suit to Pipe size 1/2" to 10"

Wetted parts protection

PTFE Coating / PTFE Film on diaphragm

Gasket Material : PTFE

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

SADDLE DIAPHRAGM SEAL -WELD ON PIPE LINE

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ORDERING CODES

MODEL										SSKE28-2										
SSKE28-2 Saddle diaphragm seal																				
Top CHAMBER										S01										
S01	AISI 304 SS			S02	AISI 316 SS															
DIAPHRAGM										S03										
S03	AISI 316L SS			S05	Monel 400			S10	Hastelloy C-276											
S06	Inconel 600			S07	Titanium			S08	Tantalum											
Bottom Chamber (Weld on Pipe Part)										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-SUIT TO STANDARD PIPE SIZE										XXX										
25	2.5" Pipe		03	3" Pipe		04	4" Pipe		05	5" Pipe		06	6" Pipe		08	8" Pipe		10	10" Pipe	
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											
E 1 1 4	PTFE Coating on Diaphragm			E 1 1 3	PTFE Film Protection on diaphragm															

Ordering Example : SSKE28-1.S01.S03.S02.P28.04.L1.R2/XX.XX.XXXXX/XXX