

FLANGED WITH WELDED DIAPHRAGM SEAL SSKE29-2

APPLICATIONS

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

FEATURES

- Large volume type design
- Flushed diaphragm
- Welded diaphragm
- Optional flushing ring
- Optional exotic materials



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DESCRIPTION

General

Flange design : ANSI B16.5 / EN 1092-1 / BS-10 **Storage temperature :** -40...+65°C

Service temperature : 370°C max.

Weld joints :Welded Top Chamber with Diaphragm and Flange

Material of construction

Sensing Element : Diaphragm

Diaphragm : AISI 316L SS / Monel 400 / Hastelloy C-276

Inconel 600 / Titanium / Tantalum

Flange material : AISI 304SS / AISI 316 SS

Top Chamber material : AISI304SS

Capillary : AISI 304 SS / AISI 316 SS

Armour : AISI 304 SS / AISI 316 SS / PVC
0.25 Mtr. to 25 Mtr.

Remote distance :

Standard version

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

Instrument connection : $\frac{1}{2}''$ 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 $4''$

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

Wetted parts protection

Service temperature : 200°C max.

PTFE coating on Diaphragm & Flange

PTFE Coating - 100 Micron thick

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

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ORDERING CODES

MODEL				SSKE29-2	
SSKE29-2 Flanged welded diaphragm seal					
SEAL TYPE					
R12	-1...0...250 bar [Flange ≥1.5"]	R13	4...250bar [Flanges ½" to 1"]	R12	
DIAPHRAGM					
S03	AISI 316L SS	S05	Monel 400	S10	Hastelloy C-276
S06	Inconel 600	S07	Titanium	S08	Tantalum
CHAMBER / FLANGE					
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	½" NPT (F)	P23	¼" BSP (F)	P27	½" BSP (F)
P24	¼" NPT (F)				
PROCESS CONNECTION					
XXX	As per Flange table				
FLANGE FACING					
G1	Serrated raised face	G2	Flat face	G3	Ring type joint face
G4	Tongue & Groove face				
SEALING FLUID					
XX	As per Filling liquid Vs Temperature Rating table				
EXECUTION					
R1	Direct	R2	Remote		
CAPILLARY MATERIAL					
S01	AISI 304 SS	S02	AISI 316 SS		
ARMOUR MATERIAL					
S01	AISI 304 SS	S02	AISI 316 SS	S16	PVC [Ambient ≤60°C]
REMOTE DISTANCE					
XXXXX	500 mm (Min.) to 25000 mm (Max.)				
OTHER OPTIONS					
E77	Dry Seal	E31	Material test certificate 3.1	E32	Material test certificate 2.2

Ordering Example : SSKE29-2-R12.S03.S02.P28.F07.G1.L1.R1/XX.XX.XXXXX/XXX