

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

DESCRIPTION

General

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

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
304 SS / 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.



SADDLE DIAPHRAGM SEAL -WELD ON PIPE LINE- TMC28-2

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 DC 200	-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 DC 710	7°C to 371°C

ORDERING CODES

MODEL

TMC28-2

TMC28-2 Saddle diaphragm seal

Top CHAMBER

S01 AISI 304 SS S02 AISI 316 SS

S01

DIAPHRAGM

S03 AISI 316L SS S05 Monel 400 S10 Hastelloy C-276
S06 Inconel 600 S07 Titanium S08 Tantalum

S03

Bottom Chamber (Weld on Pipe Part)

S01 AISI 304 SS S02 AISI 316 SS S03 AISI 316L SS
S05 Monel 400 S10 Hastelloy C-276 S07 Titanium
S08 Tantalum

S02

INSTRUMENT CONNECTION

P28 ½" NPT (F) P23 ¼" BSP (F) P27 ½" BSP (F)
P24 ¼" NPT (F)

P28

PROCESS CONNECTION-SUIT TO STANDARD PIPE SIZE

25 2.5" Pipe 03 3" Pipe 04 4" Pipe 05 5" Pipe 06 6" Pipe 08 8" Pipe 10 10" Pipe

XXX

SEALING FLUID

XX As per Filling liquid Vs Temperature Rating table

L1

EXECUTION

R2 Remote

R2

CAPILARY

S01 AISI 304 SS S02 AISI 316 SS

XX

ARMOUR MATERIAL

S01 AISI 304 SS S02 AISI 316 SS S16 PVC [Ambient ≤ 60 °C]

XX

REMOTE DISTANCE

XXXXX 500 mm (Min.) to 25000 mm (Max.)

XXXXX

OTHER OPTIONS

E77 Dry Seal E31 Material test certificate 3.1 E32 Material test certificate 2.2
E114 PTFE Coating on Diaphragm E113 PTFE Film Protection on diaphragm

XXX

Ordering Example : TMC28-2.S01.S03.S02.P28.04.L1.R 2/XX.XX.XXXXX/XXX

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