

APPLICATIONS

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

FEATURES

- Single piece construction
- Flushed diaphragm
- Ideal for Transmitters



DESCRIPTION

General

Thread design : ANSI B1.20.1 / BS EN ISO 228-1

Storage temperature : -40...+65°C

Service temperature : 370°C max.

Weld joints : Laser welding for Diaphragm

Material of construction

Sensing element : Diaphragm

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

Inconel 600 / Titanium / Tantalum

Chamber material : AISI 316 SS / AISI 316L SS / Monel

Titanium / Tantalum / Hastelloy C-276

Capillary : AISI 304 SS / AISI 316 SS

Armour : AISI 304 SS / AISI 316 SS / PVC

Remote distance : 0.25 Mtr. to 4 Mtr.

THREADED FLUSH DIAPHRAGM SEAL - TMC24

Standard version

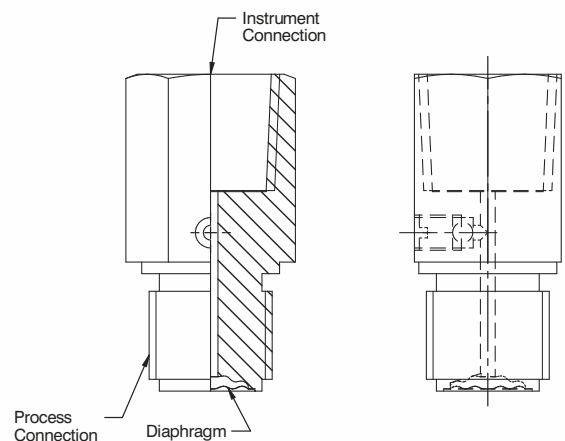
Seal type : 4...700 bar

Instrument connection : ¼" NPT (F) / ¼" BSP (F)

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

Process connection : ½" NPT (M) / ½" BSP (M)

GA DRAWING



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

Conn. Size	Range
½"	0...70 to 0...700 bar
¾"	0...40 to 0...700 bar
1"	0...25 to 0...700 bar
1½"	0...4 to 0...600 bar
2"	0...4 to 0...400 bar

ORDERING CODES

MODEL						TMC24
TMC24 Threaded flush diaphragm seal						
SEAL TYPE						R10
R10 0...4 bar to 0...700 bar						
DIAPHRAGM						S03
S03	AISI 316L SS	S05	Monel 400	S10	Hastelloy C-276	
S06	Inconel 600	S07	Titanium	S08	Tantalum	
BOTTOM CHAMBER						S02
S02	AISI 316 SS	S03	AISI 316L SS	S05	Monel 400	
S10	Hastelloy C-276	S07	Titanium	S08	Tantalum	
INSTRUMENT CONNECTION						P23
P23 ¼" BSP (F) P24 ¼" NPT (F)						
PROCESS CONNECTION						P08
P07	½" BSP (M)	P08	½" NPT (M)	P20	M20 X 1.5 mm (M)	
P08	¾" BSP (M)	P10	¾" NPT (M)	P11	1" BSP (M)	
P12	1" NPT (M)	P13	1½" BSP (M)	P14	1½" NPT (M)	
P15	2" BSP (M)	P16	2" NPT (M)			
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						XXXXXX
XXXXX 500 mm (Min.) to 4000 mm (Max.)						
OTHER OPTIONS						XXX
E77 Dry Seal E31 Material test certificate 3.1 E32 Material test certificate 2.2						

Rev.00
All details & specifications are provided as such at the time of printing. Technical changes and omissions may happen later.

Ordering Example : TMC24-R10.S03.S02.P23.P08.L1.R1/XX.XX.XXXXX/XXX