

THREADED FLUSH DIAPHRAGM SEAL TGI24

APPLICATIONS

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

FEATURES

- Single piece construction
- Flushed diaphragm
- Ideal for Transmitters



THREADED FLUSH DIAPHRAGM SEAL, TGI24

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.

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

Standard version

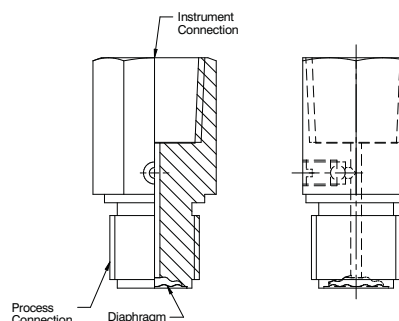
Seal type : 4...700 bar

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

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

Process connection : 1/2" NPT (M) / 1/2" BSP (M)

GA DRAWING



NOTES

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

Conn. Size	Range	Conn. Size	Range
1/2"	0...70 to 0...700 bar	1 1/2"	0...4 to 0...600 bar
3/4"	0...40 to 0...700 bar	2"	0...4 to 0...400 bar
1"	0...25 to 0...700 bar		

THREADED FLUSH DIAPHRAGM SEAL

TGI24

ORDERING CODES						
MODEL						TGI24
TGI24	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)	
P09	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						XXXXX
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	

Ordering Example : TGI24-R10.S03.S02.P23.P08.L1.R1/XX.XX.XXXXX/XXX