

SADDLE DIAPHRAGM SEAL -WELD ON PIPE LINE

TGI28-2

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, TGI28-2

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 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

SADDLE DIAPHRAGM SEAL -WELD ON PIPE LINE

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ORDERING CODES													
MODEL										TGI28-2			
TGI28-2	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
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					
E114	PTFE Coating on Diaphragm			E113	PTFE Film Protection on diaphragm								

Ordering Example : TGI28-1.S01.S03.S02.P28.04.L1.R2/XX.XX.XXXXX/XXX