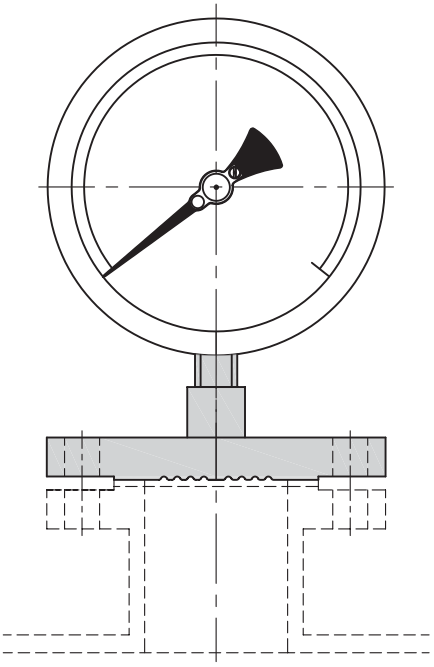
Flush Diaphragm Seal

MODEL : CSU

Features

Process fluids which are highly viscous or containing solid particles could plug or clog the Diaphragm Seal cavity on the process side of the diaphragm. In order to overcome this difficulty, Flush Diaphragm Seal are used. In this design, since the Diaphragm is directly welded on the Flange Face, there are no cavities or hidden ports where the process fluid can enter and clog the system.

Optionally, Flushing Ring (Spacer Ring) with 1/4" NPT(F) or 1/2" NPT(F) connection can be provided as per the requirement. Flushing Connection enables the user to purge / flush out / clean the area below the diaphragm without removing the Seal from the process line.



Optional Feature

- **Cooling Tower**
- **Capillary** for Remote mounting of the Pressure Instrument
- **Flushing Ring (Spacer Ring)** for purging / cleaning the area below the diaphragm without removing the Seal from the process line.
- **Stud / Nut & Gasket** (for Flanged Connection only), for assembling the Diaphragm Seal with Process Flange.

Ordering Information

FLUSH DIAPHRAGM SEAL (Flange)

MODEL: CSU- [ ] [ ] [ ] [ ] [ ] [ ]

TYPE

FD	Flush Diaphragm Seal

FLANGE (Non-wetted part)

C	CS
S4	SS304
S6	SS316
SL	SS316L
XX	Other (Please Specify)

DIAPHRAGM (wetted part)

S6	SS316	**TI**	Titanium
SL	SS316L	**NI**	Nickel
ST	SS316Ti	**TA**	Tantalum
S1	SS321	**SI**	Silver
HB	Hastelloy B	**GP**	Gold Plated
HC	Hastelloy C	**GL**	Gold
M4	Monel 400		
XX	Others (Please Specify)		

PROCESS CONNECTION

FLANGED

CODE	SIZE	CODE	RATING	CODE	FACING
25	1”	**A**	150#	**RF**	RF
40	1.1/2	**B**	300#	**FF**	FF
50	2”	**C**	600#	**RTJ**	RTJ
80	3”	**D**	900#	**LT**	LT
		E	1500#	**LG**	LG
		F	2500#		

OPTION

CT	Cooling Tower
AR(*)	Capillary : SS+SS armoured
PV(*)	Capillary : SS+SS armoured + PVC covered
FR06(**)	Flushing Ring, 1/4" NPT(F)
FR15(**)	Flushing Ring, 1/2" NPT(F)
ST	Stud & Nuts
GK	Gasket
L	Nil

FILLING FLUID

F	Fluorolube
G	Glycerine
H	Halocarbon
S	Silicone Oil DC-200
V	Food grade oil
D1	DC-710
D4	DC-704
D5	DC-705

* Specify the length of Capillary in Meters.
** Specify Ring material (Refer Bottom Chamber / Flange table)