

# Pan Cake Diaphragm Seal (Flanged Connection)

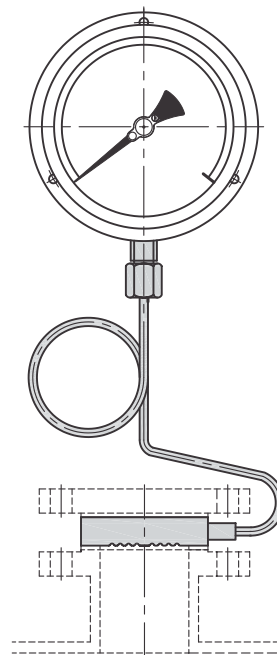
**MODEL : CSU-PCS**

## Features

Pan Cake type Diaphragm Seal is sandwiched between the Instrument Flange (loose back-up flange) and Process (Nozzle) Flange. It is always provided with Capillary for the remote mounting of the Pressure Instrument.

Pan Cake type Diaphragm Seals are ideal for fluids which are viscous or containing solid particles. The Diaphragm is directly welded to the Pan Cake unit and 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

- **Flushing Ring (Spacer Ring)** for purging / cleaning the area below the diaphragm without removing the Seal from the process line.
- **Stud / Nut & Gasket** for assembling the Diaphragm Seal with Process Flange.

**Note:** This catalogue indicates the general specifications used for most of the process applications. Any other specification not appearing here also can be provided as per customer requirement.

# Ordering Information

## PAN CAKE DIAPHRAGM SEAL (Flange)

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

### CONNECTION TYPE

**PCS** Pan Cake Diaphragm Seal

### MOUNTING FLANGE (Non-wetted part)

**CST** CS  
**S4S** SS 304  
**S4L** SS 304L  
**S6S** SS 316  
**S6L** SS 316L  
**321** SS 321  
**XXX** Other (Please Specify)

### PAN CAKE UNIT (wetted part)

**S4S** SS 304    **HCB** Hastelloy B  
**S4L** SS 304L    **HCC** Hastelloy C  
**S6S** SS 316    **N20** Nickel 200  
**S6L** SS 316L    **MN4** Monel 400  
**321** SS 321    **XXX** Other (Please Specify)  
**TTM** Titanium

### DIAPHRAGM (wetted part)

**S4S** SS 304    **HCB** Hastelloy B  
**S4L** SS 304L    **HCC** Hastelloy C  
**S6S** SS 316    **N20** Nickel 200  
**S6L** SS 316L    **MN4** Monel 400  
**321** SS 321    **XXX** Other (Please Specify)  
**TTM** Titanium

### PROCESS CONNECTION

#### FLANGED

CONN	CODE	SIZE	CODE	RATING	CODE	FACING	CODE
Flange	F	1-1/2"	40	150	A	RF	RF
		2"	50	300	B		
		3"	80	600	C		
				900	D		
				1500	E		
				2500	F		

e.g. For 40 NB 300# RF flange, Model Code: **F40BRF**

### OPTION

**4AR(\*)** SS 316 Capillary, SS 304 Armoured  
**4PV(\*)** SS 316 Capillary, SS 304 Armoured+PVC Covered  
**6AR(\*)** SS 316 Capillary, SS 316 Armoured  
**6PV(\*)** SS 316 Capillary, SS 316 Armoured+PVC Covered  
**FR4(\*\*)** Flushing Ring, 1/4" NPT(F)  
**FR2(\*\*)** Flushing Ring, 1/2" NPT(F)  
**GSK** Gasket  
**STN** Stud & Nuts  
**XXX** Other (Please specify)

\* Specify the length of Capillary in Meters.  
 \*\* Specify Ring material (Refer Diaphragm table)

### FILLING FLUID

**DC1** DC-710  
**DC2** Silicone Oil (DC-200)  
**DC4** DC-704  
**DC5** DC-705  
**FLU** Fluorolube  
**GLY** Glycerine  
**HLC** Halocarbon  
**VGO** Food grade oil  
**XXX** Other (Please specify)

### Minimum Span of Range

Flange Size	Min Span of Range (RF flange)
1-1/2" NB	2.5 kg/cm2.g
2" NB	1 kg/cm2.g
3" NB	1 kg/cm2.g

Sample model Code: **CSU-PCS-CST-S6L-S6L-F40BRF-DC4-4AR(5)-FR2(S6L)**