

Sandwich Type Diaphragm Seal

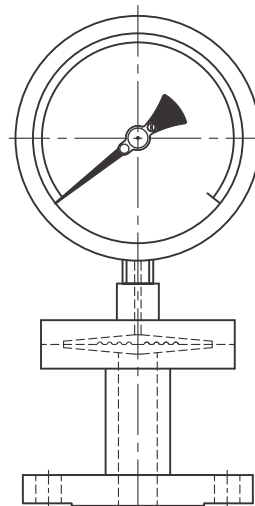
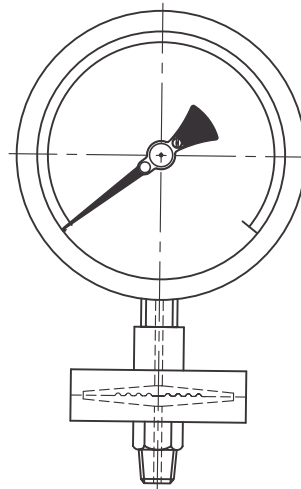
General

MODEL : CSU-SDT / CSU-SDF

Features

Sandwich type Diaphragm Seals are the most commonly used Diaphragm Seals. The Diaphragm is sandwiched between Top Chamber & Bottom Chamber / Flange. These are available Threaded as well as Flanged process Connection. For low Pressure Range & Smaller Flange Sizes, "I" section type Diaphragm Seals are used.

Optionally, Flushing connection of 1/4" NPT(F) or 1/2" NPT(F) can be provided which enables the user to flush out / clean the area below the diaphragm without removing the Seal from the process line. For Threaded Process Connection and Flange Connection with "I" section, Flushing connection shall be directly provided on the Bottom Chamber. For bigger Flange sizes, separate Flushing Rings (Spacer Rings) are usually provided.



Optional Feature

- **Cooling Tower**
- **Capillary** for Remote mounting of the Pressure Instrument
- **Integral Flushing Connection or 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.

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.

Under Technical Collaboration with M/s. Gauges Bourdon, France

Ordering Information

SANDWICH DIAPHRAGM SEAL (Threaded or Flanged)

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

CONNECTION TYPE

SDT Sandwich type, Threaded Conn.
SDF Sandwich type, Flanged Conn.

TOP CHAMBER

CST CS
S4S SS304
S6S SS316
S6L SS316L
XXX Other (Please Specify)

DIAPHRAGM

S4S SS 304	HCC Hastelloy C
S4L SS 304L	TTM Titanium
S6S SS 316	TAN Tantalum
S6L SS 316L	N20 Nickel 200
321 SS 321	MN4 Monel 400
S6P SS 316+PTFE	800 Incoloy 800
6LP SS 316L+PTFE	SIL Silver
S6G SS 316+Gold Plated	GLD Gold
6LG SS 316L+Gold Plated	PTF PTFE
HCB Hastelloy B	XXX Other (Please Specify)

BOTTOM CHAMBER / FLANGE

S4S SS 304	HCC Hastelloy C
S4L SS 304L	TTM Titanium
S6S SS 316	N20 Nickel 200
S6L SS 316L	MN4 Monel 400
321 SS 321	800 Incoloy 800
S6P SS 316+PTFE	XXX Other (Please Specify)
6LP SS 316L+PTFE	
PTF PTFE*	
HCB Hastelloy B	

OPTION

4AR(*) SS316 Capillary, SS304 Armoured
4PV(*) SS316 Capillary, SS304 Armoured+PVC Covered
6AR(*) SS316 Capillary, SS316 Armoured
6PV(*) SS316 Capillary, SS316 Armoured+PVC Covered
CLT Cooling Tower
FC4 Integral Flushing Connection, 1/4" NPT(F)
FC2 Integral Flushing Connection, 1/2" NPT(F)
FR4()** Flushing Ring, 1/4" NPT(F)
FR2()** Flushing Ring, 1/2" NPT(F)
GSK Gasket
STN Stud & Nuts
L Nil
XXX Other (Please specify)

* Specify the length of Capillary in Meters.

** Specify Ring material (Refer Bottom Chamber / Flange 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)

PROCESS CONNECTION

THREADED

Conn	Code	Size	Code	Type	Code	MALE / FEMALE	Code
Thread	T	1/4"	06	NPS	NS	Male	M
		3/8"	10	NPT	NT	Female	F
		1/2"	15	BSP	BP		
		3/4"	20	BSPT	BT		
		1"	25	JIS-PF	PF		
		M20	M20	JIS-PT	PT		
				Gas	GS		
				R	RR		
				Rp	RP		
				Pitch 1.5	C		

e.g. For 1/2"NPT(M), Code: **T15NTM** For M20x1.5 (F), Code: **TM20CF**

PROCESS CONNECTION

FLANGED

Conn	Code	Size	Code	Rating#	Code	Facing	Code	
Flange	F	1/2"	15	150	A	RF	RF	
		3/4"	20	300	B	FF	FF	
		1"	25	600	C	RTJ	RJ	
		1-1/2"	40	900	D	ST	ST	
		2"	50	1500	E	SG	SG	
		3"	80	2500	F	LT	LT	
							LG	LG
							SMF	SM
							SFF	SF
							LMF	LM
					LFF	LF		

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

*PTFE Chamber / Flange:

Max Range 0 to 16 kg/cm2.g for Flanged connection

Max Range 0 to 6 kg/cm2.g for Threaded connection (1/2" BSPM / NPTM only)

Sample model Code: **CSU-SDF-S4S-S6S-S6S-F20ARF-DC2-4AR(3)**