



# $\mathsf{TC}$

Diaphragm Seal Sanitary seal (clamp type)



### **Special Features**

- Laser welded flush diaphragm
- Quick connect / disconnect for easy cleaning
- Suitable for food, dairy & pharmaceutical industries

### **Application**

Diaphragm seals are provided in the instruments like pressure gauges, switches, transmitters in order to isolate the sensing element from the main service due to its corrosive, viscous and sedimented nature and to avoid clogging and solidification. These seals are used in hygienic applications where purity in process is essential - typically in food, dairy beverages and pharmaceutical industries

# Specifications

#### **Standard Version**

(Compatible model: WP6, WP4,EC, BEC, WPT, EGT, ESG)

Range : -1 to 0 & 0 to 40 kg/cm² (Standard)

Process temperature : 10°C to 150°C or as per fill fluid

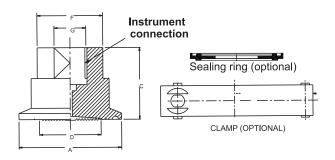
Instrument connection : 1/2" BSP (F)

Process connection : 1 1/2" SANITARY SEAL (without clamp & gasket)

Mounting : Direct (without capillary)

Diaphragm : AISI 316L SS
Body : AISI 316 SS
Fill Fluid : Glycerin

## **Dimensions - Standard Version**



Size	Α	С	D	F	G	Approx. Wt. #
1"	50.50	35	22	29.5	1/2" BSP (F)	200.0
1½"	50.50	35	32	38.5	1/2" BSP (F)	200.0
2"	64	35	40	51.5	1/2" BSP (F)	350.0
21/2"	77.5	35	52	64	½" BSP (F)	500.0

(# Weight in grams with box for Standard Model.)

Notes: • Drawings are not to scale. • All Dimensions are in mm.



# Diaphragm Seal Sanitary seal (clamp type)

How to Order		Example				
Basic Model		TC				
Code						
Optional Extras		_				
·						
Sanitary Seal  25 1"Sanitary Seal IN AISI 316 SS		_				
<ul> <li>1½" Sanitary Seal IN AISI 316 SS (Standard)</li> <li>2" Sanitary Seal IN AISI 316 SS</li> </ul>						
65 2 ½" Sanitary Seal IN AISI 316 SS Instrument Connection		_				
<b>2NF</b> 1/4" NPT (F) <b>2BF</b> 1/4" BSP (F) (Standard)	<b>3BF</b> 3/8" BSP (F) ( Standard )	_				
<b>4NF</b> ½" NPT (F) <b>4BF</b> ½" BSP (F) (Standard)	SDI 5/6 BOI (I) ( Standard )	XXX				
Body						
S6 AISI 316 SS (Standard)	SL AISI 316L SS	XX				
Bottom Mating Part						
B25 1" Sanitary Seal In AISI 316 SS	B50 2" Sanitary Seal In AISI 316 SS	VVV				
B40 1½" Sanitary Seal In AISI 316 SS	B65 2 1/2" Sanitary Seal In AISI 316 SS	XXX				
End Connection Of Bottom Mating Part						
P15 ½" PIPE, Sch. 40 (Plain End) Note:Threaded Connections Are Available On Req	P20 3/4" PIPE, Sch. 40 (Plain End)	XXX				
	uest. Hease Consult Factory.					
Diaphragm SL AISI 316L (Standard)		XX				
Filling Fluids						
<b>GF</b> Glycerin [10 to 150 °C / 50 to 302 °F] (Standard) <b>FG</b> Food Grade Oil [-20 to 140 °C / -4 to 284 °F]	<b>LP</b> Liquid Paraffin [10 To 200 °C / 50 To 392 °F]	XX				
Clamp		_				
C25 1" Clamp AISI 304 SS	C50 2" CLAMP AISI 304 SS					
C40 1½" Clamp AISI 304 SS	C65 2 1/2" CLAMP AISI 304 SS	XXX				
Gasket (sealing Ring)						
GS25 1" Silicon Gasket GS40 1½" Silicon Gasket GS50 2" Silicon Gasket	GT25 1" PTFE Gasket GT40 1½"PTFE Gasket GT50 2" PTFE Gasket	XXXX				
GS65 2 ½" Silicon Gasket	GT65 2 ½" PTFE Gasket	_				
emote Mounting (with Capillary Of Max. Up To 2 Mtrs.) pecify In Meters (e.g. 1.5 = 1.5 METERS 2.0 = 2 METERS)						
Capillary	vic i ci (O)	1Mtr.				
S4 AISI 304 SS S6 AISI 31	6 SS	XX				
Capillary Covered With Armour (applicable With PE						
<b>S4</b> AISI 304 SS	·	XX				
Other Options	7.1 ( m.z.s.m 15.1.pz.m 60 6)	,,,,				
•	al Only Without Instrument MTC Material Test Certificates*	XXX				
* Material Test Certificates Will Be Provided For Wet Please Consult Factory.	ted Parts Only With Chemical Composition Testing. For Others,					
Ordering Example: TC - XX - XXX - XX - X	XXX - XXX - XX - XX - XXX - XXXX - mtr - XX - XX - XXX					
For Other Optional Items, Please Contact Factory Fo	or Delivery And Minimum Quantity Of Order					
	roduct catalogue represents the state of engineering at the time of printing.					
	pecified may be replaced by others without prior notice.					