

Diaphragm seal sanitary Clamp connection (Triclover)



Features:

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

Applications:

- Diaphragm seals are designed to isolate the sensing element of pressure gauges and pressure switches from process fluids that they may be corrosive, viscous, sedimentous and / or with a high temperature.

Standard Parameters

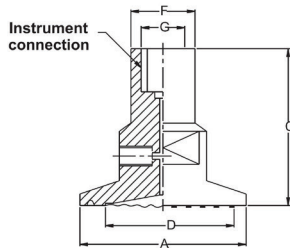
| | |
|-----------------------|--|
| Seal type & Range | : T16 = -1 to 0 kg/cm ² & 0 to 40 kg/cm ² (standard) (suitable for NS 100mm & above) : T17 = -1 to 0 kg/cm ² & 0 to 40 kg/cm ² (dry seal) (Suitable for NS 63mm & 80mm) |
| Process temperature | : 10 °C to 150 °C or as per fill fluid |
| Instrument connection | : T16 = 1/2" BSP[F] : T17 = 1/4" BSP[F] |
| Process connection | : 1 1/2" Sanitary Seal (without clamp & gasket) |
| Mounting | : Direct (without capillary) |

Materials of Construction

| | |
|------------|----------------|
| Diaphragm | : AISI 316L SS |
| Body | : AISI 316 SS |
| Fill fluid | : Glycerine |

Dimensional drawing

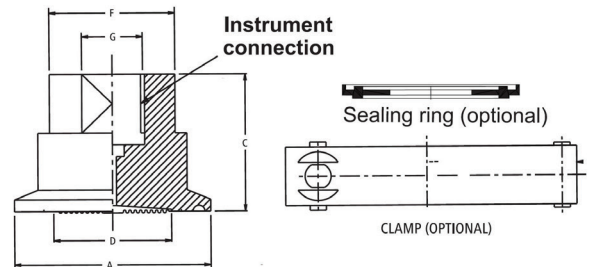
Type T17



| Size | A | C | D | F | G | Wt. |
|------|------|----|----|-------|-------------|-----|
| 1.5" | 50.5 | 48 | 32 | 19.50 | 1/4" BSP[M] | 250 |
| 2" | 64 | 48 | 40 | 19.50 | 1/4" BSP[M] | 400 |
| 2.5" | 77.5 | 48 | 52 | 19.50 | 1/4" BSP[M] | 600 |

Wt. = Approx. weight in grams

Type T16



| Size | A | C | D | F | G | Wt. |
|--------|-------|----|----|------|-------------|-----|
| 1" | 50.50 | 35 | 22 | 29.5 | 1/2" BSP[F] | 200 |
| 1 1/2" | 50.50 | 35 | 32 | 38.5 | 1/2" BSP[F] | 200 |
| 2" | 64 | 35 | 40 | 51.5 | 1/2" BSP[F] | 350 |
| 2 1/2" | 77.5 | 35 | 52 | 64 | 1/2" BSP[F] | 500 |

Wt. = Approx. weight in grams

Note: ● Drawings are not to scale ● All dimensions are in mm

Ordering Codes

| | | | |
|---|-------------|---|------------|
| 1. Type | T16 | 9. Clamp | 40C |
| T16 -1 to 0 kg/cm ² & 0 to 40 kg/cm ² (Standard) | | 25C 1" Clamp AISI 304 SS | |
| T17 -1 to 0 & 0 to 40 kg/cm ² (dry seal only) | | 40C 1 1/2" Clamp AISI 304 SS | |
| 2. Sanitary Seal | 40 | 50C 2" Clamp AISI 304 SS | |
| 25 1" sanitary seal in AISI 316 SS | | 63C 2 1/2" Clamp AISI 304 SS | |
| 40 1 1/2" sanitary seal in AISI 316 SS | | 10. Gasket (sealing ring) | 40S |
| 50 2" sanitary seal in AISI 316 SS | | 25S 1" silicon gasket | |
| 63 2 1/2" sanitary seal in AISI 316 SS | | 40S 1 1/2" silicon gasket | |
| 3. Instrument Connection | 15BF | 50S 2" silicon gasket | |
| 06BF 1/4" BSP[F] | | 63S 2 1/2" silicon gasket | |
| 06NF 1/4" NPT [F] | | 25P 1" PTFE gasket | |
| 10BF 3/8" BSP[F] | | 40P 1 1/2" PTFE gasket | |
| 15BF 1/2" BSP [F](Standard) | | 50P 2" PTFE gasket | |
| 15NF 1/2" NPT [F] | | 63P 2 1/2" PTFE gasket | |
| 4. Body | S6 | 11. Capillary Length | 1M |
| S6L AISI 316L SS (Standard) | | Remote mounting (with capillary of max 2M) | |
| S6 AISI 316 SS | | Specify in meters | |
| 5. Bottom Mating Part | 40B | 12. Capillary Material | S4 |
| 25B 1" sanitary seal in AISI 316 SS | | S4 AISI 304 SS | |
| 40B 1 1/2" sanitary seal in AISI 316 SS | | S6 AISI 316 SS | |
| 50B 2" sanitary seal in AISI 316 SS | | 13. Capillary Covered with Armour | S6 |
| 63B 2 1/2" Sanitary seal in AISI 316 SS | | S4 AISI 304 SS | |
| 6. End Connection of bottom mating part** | 15P | S6 AISI 316 SS | |
| 15P 1/2" PIPE, sch. 40 (Plain End) | | PVC PVC (Max. temp. 60°C) | |
| 20P 3/4" PIPE, sch. 40 (Plain End) | | 14. Other options# | HL |
| **Note: Threaded connections are available on request. | | HL Helium leak test | |
| 7. Diaphragm | S6L | WI Dry seal only without instrument | |
| S6L AISI 316L | | MT Material test certificate | |
| 8. Filling Fluids | FG | #Note: Material test certificates will be provided for wetted parts only with chemical composition testing. For others consult factory. | |
| LG Glycerine [10° to 150°C] | | | |
| FG Food grade oil [-20° to 140°] | | | |

Ordering example: TC-T16-40-15BF-S6-40B-15P-SL6-FG-40C-40S-1M-S4-S6-HL

Compatible Model: IP, IE

Note:

1. Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.
2. For optional items contact factory.