

# FDT

Diaphragm Sealed  
Screwed Flush Type



### Special Features

- Ideal for pressure transmitter
- Laser welded diaphragm
- One piece AISI 316 SS construction
- Flush diaphragm

### 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

### Specifications

#### Standard Version

(Compatible models : WPT, ESG, ESW, WP4 & WP6 ( WP4 & WP6 NS 100mm Only.)

Note: Pressure Gauge will be provided maximum to NS 100 mm with internal system of NS 63 mm.

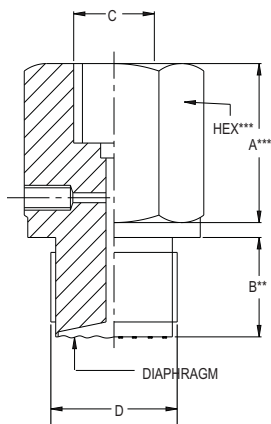
|                       |   |                                     |
|-----------------------|---|-------------------------------------|
| Range                 | : | Refer below table                   |
| Process temperature   | : | -40°C to 200°C or as per fill fluid |
| Instrument connection | : | ¼" BSP (F)                          |
| Process connection    | : | ¾" BSP (M)                          |
| Mounting              | : | Direct (without capillary)          |

|            |   |                      |
|------------|---|----------------------|
| Diaphragm  | : | AISI 316L SS         |
| Body       | : | AISI 316 SS          |
| Fill fluid | : | Silicon Oil - DC 200 |

### Process Connection & Range Selection Table

| Thread Size  | ½" BSP (M) | ¾" BSP (M) | 1" BSP (M) | 1-½" BSP (M) | 2" BSP (M) |
|--------------|------------|------------|------------|--------------|------------|
| Code         | WU         | WF         | WW         | WX           | WB         |
| Thread Size  | ½" NPT (M) | ¾" NPT (M) | 1" NPT (M) | 1-½" NPT (M) | 2" NPT (M) |
| Code         | WA         | XB         | XC         | XD           | XE         |
| Ranges (bar) |            |            |            |              |            |
| 4            | X          | X          | X          | X            | ✓          |
| 6            | X          | X          | X          | ✓            | ✓          |
| 10           | X          | ✓          | ✓          | ✓            | ✓          |
| 16           | X          | ✓          | ✓          | ✓            | ✓          |
| 25           | X          | ✓          | ✓          | ✓            | ✓          |
| 40           | X          | ✓          | ✓          | ✓            | ✓          |
| 60           | X          | ✓          | ✓          | ✓            | ✓          |
| 100          | ✓          | ✓          | ✓          | ✓            | ✓          |
| 160          | ✓          | ✓          | ✓          | ✓            | ✓          |
| 200          | ✓          | ✓          | ✓          | ✓            | ✓          |
| 250          | ✓          | ✓          | ✓          | ✓            | ✓          |
| 400          | ✓          | ✓          | ✓          | ✓            | ✓          |
| 600          | ✓          | ✓          | ✓          | ✓            | ✓          |

## Dimensions - Standard Version



| A*** | B** | C          | D*         | HEX*** | Approx. Wt.# |
|------|-----|------------|------------|--------|--------------|
| 18   | 20  | ¼" BSP (F) | ¾" BSP (M) | 32     | 500.0        |

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

**Notes :**

- Drawings are not to scale.
- All Dimensions are in mm.

### How To Order

**Basic Model**

**Code**

**Optional Extras**

**Body**

**S6** AISI 316 SS (Standard)      **SL** AISI 316L SS

**Diaphragm**

**SL** AISI 316L SS (Standard)

**Instrument Connection**

**2BF** ¼" BSP (F) (Standard)\*      **3NF** 3/8" BSP (F) (Standard)      **4BF** ½" BSP (F)  
**2NF** ¼" NPT (F)      **4NF** ½" NPT (F)

**Process Connection**

**5BM** ¾" BSP (M)      **6BM** 1" BSP (M) (Standard)      **7BM** 1-½" BSP (M)      **8BM** 2" BSP (M)  
**5NM** ¾" NPT (M)      **6NM** 1" NPT (M)      **7NM** 1-½" NPT (M)      **8NM** 2" NPT (M)

**Filling Fluids** (\* Consult factory for specifications, price and delivery)

**UV** Food Grade OIL [-20 to 140°C]  
**UX** Silicon DC 200 [-40 to 205°C] (Standard)  
**UY** Silicon DC 704 [10 to 337°C]  
**UZ** Silicon DC 710 [7 to 371°C]

**Other Options**

**HLT** Helium Leak Test      **WOI** Dry Seal Only Without Instrument  
**MTC** Material Test Certificates\*

\* Material Test Certificates Will Be Provided For Wetted Parts Only With Chemical Composition Testing.  
For Others, Please Consult Factory.

Note: For Moc Like Monel, Hastelloy-c Etc. , Please Contact Factory For Price And Delivery.

**Ordering Example : FDT - XX - XX - XX - XX - XX - XX**

Note : 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.

### Example

FDT

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