


Special Features

- All 316 stainless steel
- Laser welded flush diaphragm
- Quick connect / disconnect for easy cleaning
- Matching DIN, SMS, RJT etc. standards

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 specially designed for applications where high purity in the process is essential.- typically in food, beverages, dairy and pharmaceutical industries

Specifications
Standard Version

(Compatible models : AD (NS 50 mm & 63 mm), AL (NS 100 mm & 150 mm), AI, BE, BI & BJ)

| | | |
|-----------------------|---|--------------------------------------|
| Range | : | Refer range table with nominal sizes |
| Process temperature | : | -10°C to 180°C |
| Instrument connection | : | ½" BSP (F) |
| Process connection | : | As per DIN 11851, SMS, RJT, IDF |
| Mounting | : | Direct (without capillary) |

| | | |
|------------|---|--------------------------|
| Diaphragm | : | AISI 316L SS |
| Unit nut | : | AISI 316 SS |
| Body | : | AISI 316 SS |
| Fill fluid | : | Food Grade Oil (OKS 370) |

Dimensions - Standard Version
DIN 11851

| DN | M | F(DIN 405) |
|-----|----|-------------|
| 25* | 20 | Rd 52 x 1/6 |
| 32 | 30 | Rd 58 x 1/6 |
| 40 | 30 | Rd 65 x 1/6 |
| 50 | 40 | Rd 78 x 1/6 |

* Connection 1/4" BSP (F)

SMS

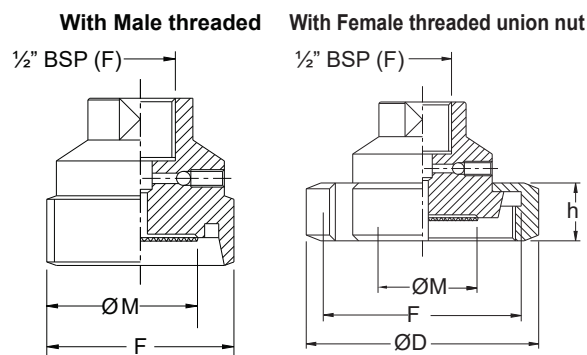
| DN | M | F(DIN 405) |
|------|----|-------------|
| 1 ½" | 30 | Rd 60 x 1/6 |
| 2" | 40 | Rd 70 x 1/6 |

RJT/APV

| DN | M | F (Whitworth) |
|------|----|---------------|
| 1 ½" | 30 | 2" 5/16 x 8 |
| 2" | 40 | 2" 7/8 x 6 |

IDF/ISS

| DN | M | F(ACME) |
|------|----|-------------|
| 1 ½" | 29 | 2" 1/32 x 8 |
| 2" | 36 | 2" 9/16 x 8 |


DIN 11851

| DN | h | D | M | F(DIN 405) |
|-----|----|----|----|-------------|
| 25* | 21 | 63 | 30 | Rd 52 x 1/6 |
| 32 | 21 | 70 | 30 | Rd 58 x 1/6 |
| 40 | 21 | 78 | 40 | Rd 65 x 1/6 |
| 50 | 22 | 92 | 50 | Rd 78 x 1/6 |

* Connection 1/4" BSP (F)

SMS

| DN | h | D | M | F(DIN 405) |
|------|----|----|----|-------------|
| 1 ½" | 25 | 74 | 30 | Rd 60 x 1/6 |
| 2" | 26 | 84 | 40 | Rd 70 x 1/6 |

RJT/APV

| DN | h | D | M | F (Whitworth) |
|------|----|---------|----|---------------|
| 1 ½" | 22 | Hex. 65 | 30 | 2" 5/16 x 8 |
| 2" | 22 | Hex. 79 | 40 | 2" 7/8 x 6 |

IDF/ISS

| DN | h | D | M | F(ACME) |
|------|----|----|----|-------------|
| 1 ½" | 30 | 64 | 30 | 2" 1/32 x 8 |
| 2" | 30 | 77 | 40 | 2" 9/16 x 8 |

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

Range Table With Nominal Sizes

| Nominal Size of Gauge | 50 & 63 mm | 50 & 63 mm | 50, 63, 100 & 150 mm | 50, 63, 100 & 150 mm |
|-----------------------|---------------|-------------------------|-------------------------|----------------------|
| Connection Standard | DIN/ IDF/ ISS | DIN/ IDF/ ISS/ SMS/ RJT | DIN/ IDF/ ISS/ SMS/ RJT | DIN |
| Connection Size | 25 mm (1") | 32 mm (1.5") | 40 mm (2") | 50 mm |
| Ranges (bar) | | | | |
| 1.6 | ✓ | ✓ | ✓ | ✓ |
| 2 | ✓ | ✓ | ✓ | ✓ |
| 4 | ✓ | ✓ | ✓ | ✓ |
| 7 | ✓ | ✓ | ✓ | ✓ |
| 10 | ✓ | ✓ | ✓ | ✓ |
| 14 | ✓ | ✓ | ✓ | ✓ |
| 16 | ✓ | ✓ | ✓ | ✓ |
| 21 | ✓ | ✓ | ✓ | ✓ |
| 25 | X | X | ✓ | ✓ |
| 28 | X | X | ✓ | ✓ |
| 40 | X | X | ✓ | ✓ |
| -1 to 4 | X | ✓ | ✓ | ✓ |
| -1 to 7 | X | ✓ | ✓ | ✓ |
| -1 to 10 | X | ✓ | ✓ | ✓ |
| -1 to 14 | X | ✓ | ✓ | ✓ |
| -1 to 21 | X | ✓ | ✓ | ✓ |

