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## SANITARY DIAPHRAGM SEAL D302

### STANDARD SPECIFICATIONS

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| Range type            | : 1...40 bar                                      |
| Chamber material      | : AISI 316 SS                                     |
| Diaphragm             | : AISI 316L SS                                    |
| Instrument connection | : 1/2" NPT (F) / 1/2" BSP (F)                     |
| Sealing fluid         | : Food Grade oil [-20°C to 140°C]                 |
| Process connection    | : Union-nut (DIN 11851 / SMS / RJT/APV / IDF/ISS) |
| Assembly              | : Direct                                          |



### FEATURES

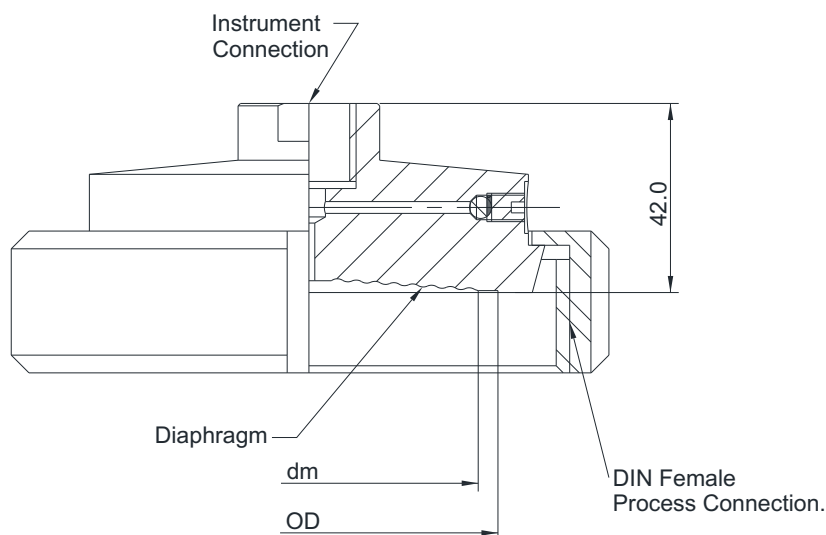
- Quick connect/disconnect
- Laser welded flush diaphragm
- DIN, SMS, RJT & IDF / ISS connections

### APPLICATION

- Food & beverages industries
- Dairy & Ice cream industries
- Pharmaceuticals & cosmetics

### DIMENSIONAL DRAWING

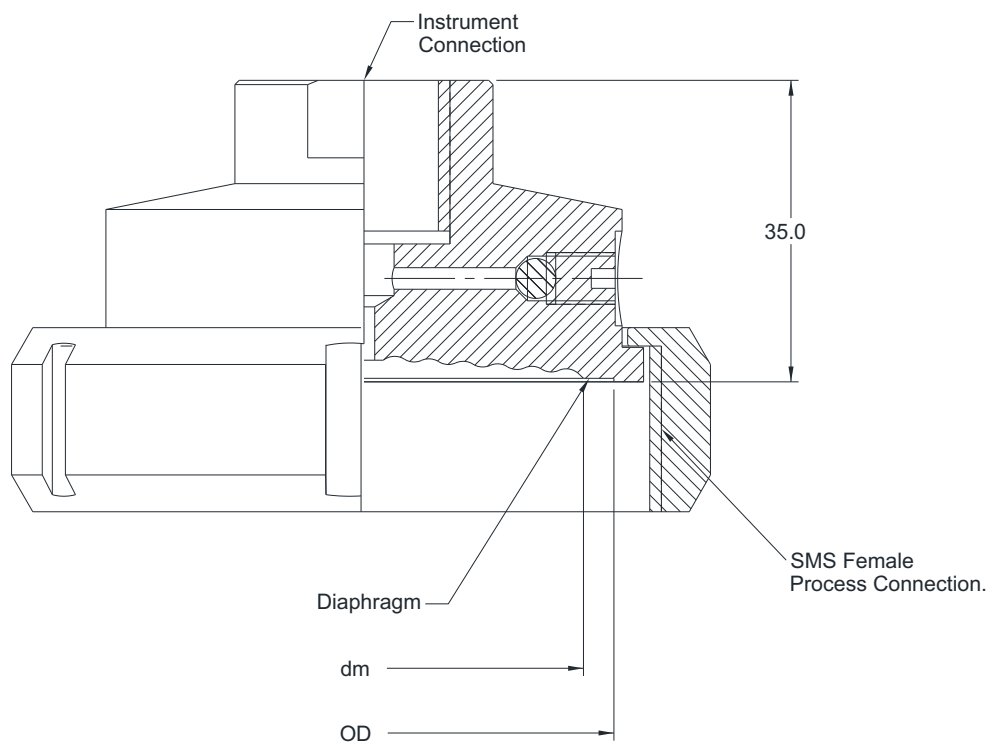
STANDARD : DIN 11851



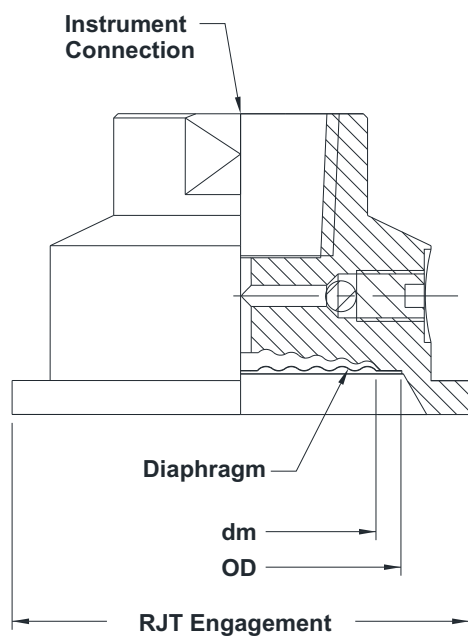
All dimensions are in mm.

## DIMENSIONAL DRAWING

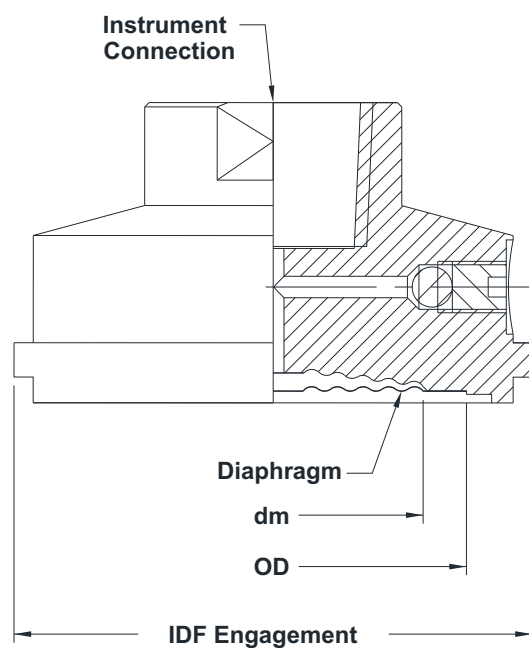
## STANDARD : SMS



## STANDARD : RJT / APV



## STANDARD : IDF / ISS



## ORDERING CODES

|                          |                                                    |                                    |                                                                                                                                                                         |  |      |
|--------------------------|----------------------------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------|
| 1. RANGE TYPE            |                                                    | S36                                | 7. PROCESS CONNECTION (UNION NUT)                                                                                                                                       |  | T15  |
| S37                      | 1...40 bar<br>Refer range vs connection size table |                                    | T01 1" Connection (DN25)<br>T14 1¼" Connection (DN32)<br>T15 1½" Connection (DN40)<br>T02 2" Connection (Dn50)<br>T25 2½" Connection (DN63)<br>T03 3" Connection (DN80) |  |      |
| 2. STANDARD TYPE         |                                                    | T40                                | 8. ASSEMBLY                                                                                                                                                             |  | B8   |
| T40                      | DIN 11851                                          | B8 Direct<br>B9 Remote (capillary) |                                                                                                                                                                         |  |      |
| T41                      | SMS                                                | LF                                 | 9. CAPILLARY                                                                                                                                                            |  | XX   |
| T42                      | RTJ / APV                                          |                                    | OU AISI 304 SS<br>OV AISI 316 SS                                                                                                                                        |  |      |
| T43                      | IDF / ISS                                          | DG                                 | 10. ARMOUR                                                                                                                                                              |  | XX   |
| 3. CHAMBER MATERIAL      |                                                    |                                    | OX AISI 304 SS<br>OY AISI 316 SS<br>OZ PVC (Ambient max. 60°C)                                                                                                          |  |      |
| LF                       | AISI 316 SS                                        | 04N                                | 11. REMOTE MOUNTING LENGTH                                                                                                                                              |  | XXXX |
| LG                       | AISI 316L SS                                       |                                    | XXXX 1000 mm up to 4000 mm                                                                                                                                              |  |      |
| 4. DIAPHRAGM MATERIAL    |                                                    | OG                                 | 12. OTHER OPTIONS                                                                                                                                                       |  | XX   |
| DG                       | AISI 316L SS                                       |                                    | XZ Dry seal<br>HL Helium leak test<br>TM Material test certificate 2.2<br>TC Material test certificate 3.1                                                              |  |      |
| 5. INSTRUMENT CONNECTION |                                                    |                                    |                                                                                                                                                                         |  |      |
| 03B                      | 3/8" BSP (F)                                       |                                    |                                                                                                                                                                         |  |      |
| 04N                      | ½" NPT (F)                                         |                                    |                                                                                                                                                                         |  |      |
| 02B                      | ¼" BSP (F)                                         |                                    |                                                                                                                                                                         |  |      |
| 04B                      | ½" BSP (F)                                         |                                    |                                                                                                                                                                         |  |      |
| 02N                      | ¼" NPT (F)                                         |                                    |                                                                                                                                                                         |  |      |
| 6. SEALING FLUID         |                                                    |                                    |                                                                                                                                                                         |  |      |
| OF                       | Food grade oil [-20°C to 140°C]                    |                                    |                                                                                                                                                                         |  |      |

Ordering Example : D302-S36-T40-LF-DG-04N-OG-T15-B8

## CONNECTION SIZE Vs RANGE CHART

| DIN | Size                            | 25              | 32              | 40              | 50              | 80               |
|-----|---------------------------------|-----------------|-----------------|-----------------|-----------------|------------------|
|     | "Diaphragm Size (OD/ED) in "mm" | 35/25           | 38/32           | 48/40           | 59/52           | 80/72            |
|     | Range (bar)                     | 0...4 to 0...40 | 0...2 to 0...40 | 0...1 to 0...40 | 0...1 to 0...40 | -1...0 to 0...40 |
| SMS | Size                            | 1"              | 1 ½"            | 2"              |                 |                  |
|     | "Diaphragm Size (OD/ED) in "mm" | 30/23           | 45/36           | 58/51           |                 |                  |
|     | Range (bar)                     | 0...4 to 0...40 | 0...2 to 0...40 | 0...1 to 0...40 |                 |                  |

## APPLICABLE ACCESSORIES

## A303 Sanitary connection ring/nut

## NOTES:

1. All metal diaphragms are laser welded to the Top Chamber.

|                                    |                                   |                                        |                                       |                                 |
|------------------------------------|-----------------------------------|----------------------------------------|---------------------------------------|---------------------------------|
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| <b>Благовещенск</b> (4162)22-76-07 | <b>Кемерово</b> (3842)65-04-62    | <b>Ноябрьск</b> (3496)41-32-12         | <b>Саранск</b> (8342)22-96-24         | <b>Уфа</b> (347)229-48-12       |
| <b>Брянск</b> (4832)59-03-52       | <b>Киров</b> (8332)68-02-04       | <b>Новосибирск</b> (383)227-86-73      | <b>Симферополь</b> (3652)67-13-56     | <b>Хабаровск</b> (4212)92-98-04 |
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