

## FEATURES

- Extended neck design
- Laser welded diaphragm
- Optional exotic materials

## APPLICATIONS

- Separation systems
- Isolation applications
- Viscous & corrosive media
- High-pressure applications
- High vibration application
- Slurry applications

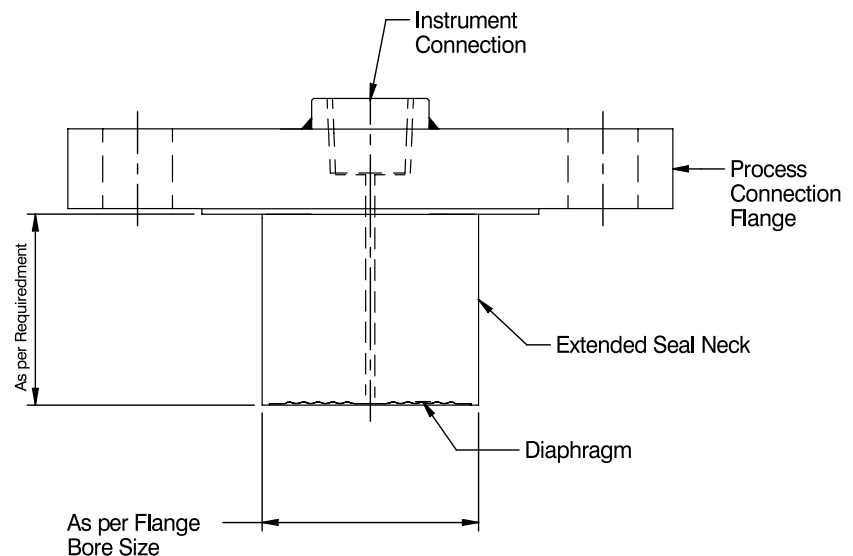
### Extended Neck Type



### STANDARD SPECIFICATIONS

|                            |                             |
|----------------------------|-----------------------------|
| Range type                 | : -1...0 bar to 0...250 bar |
| Chamber / Flange material  | : AISI 316 SS               |
| Diaphragm                  | : AISI 316 SS               |
| Instrument connection      | : ½" NPT (F)                |
| Sealing fluid              | : Silicon                   |
| Process connection         | : As per ANSI B16.5         |
| Flange facing type         | : Raised face               |
| Protection on wetted parts | : Optional                  |
| Neck extension             | : 50...200 mm               |
| Assembly                   | : Direct                    |
| Capillary                  | : Optional                  |

### DIMENSIONAL DRAWING



All dimensions are in mm.

## ORDERING CODES

### 1. RANGE TYPE

|     |              |     |
|-----|--------------|-----|
| S47 | -1...250 bar | S47 |
|-----|--------------|-----|

### 2. CHAMBER / FLANGE MATERIAL

|    |                 |    |
|----|-----------------|----|
| LF | AISI 316 SS     | LF |
| LG | AISI 316L SS    |    |
| LM | Monel           |    |
| LO | Hastelloy C-276 |    |
| LU | AISI 316L SS    |    |

### 3. DIAPHRAGM MATERIAL

|    |                 |    |
|----|-----------------|----|
| DG | AISI 316L SS    | DG |
| DB | AISI 316 SS     |    |
| DM | Monel           |    |
| DO | Hastelloy C-276 |    |
| DU | AISI 316L SS    |    |
| DW | Tantalum        |    |
| DV | Titanium        |    |

### 4. INSTRUMENT CONNECTION

|     |              |     |
|-----|--------------|-----|
| 03B | 3/8" BSP (F) |     |
| 04N | 1/2" NPT (F) | 04N |
| 02B | 1/4" BSP (F) |     |
| 04B | 1/2" BSP (F) |     |
| 02N | 1/4" NPT (F) |     |

### 5. SEALING FLUID

|    |           |    |
|----|-----------|----|
| OA | Silicon   | OA |
| OG | Glycerine |    |

### 6. PROCESS CONNECTION

|     |                                  |     |
|-----|----------------------------------|-----|
| XXX | Refer Flange Table for the codes | A45 |
|-----|----------------------------------|-----|

### 7. FLANGE FACING

|   |                         |   |
|---|-------------------------|---|
| F | Flat Face               |   |
| J | Ring-Type Joint         |   |
| R | Raised Face             | R |
| T | Tongue and Groove (T&G) |   |

### 8. PROTECTION ON WETTED PARTS

|    |                           |    |
|----|---------------------------|----|
| PA | PTFE coating on flange    | PA |
| PC | PTFE coating on diaphragm |    |

### 9. NECK EXTENSION

|     |                  |     |
|-----|------------------|-----|
| XXX | 50mm up to 200mm | 100 |
|-----|------------------|-----|

### 10. ASSEMBLY

|    |                    |    |
|----|--------------------|----|
| B8 | Direct             | B8 |
| B9 | Remote (capillary) |    |

### 11. CAPILLARY

|    |             |    |
|----|-------------|----|
| OU | AISI 304 SS | OU |
| OV | AISI 316 SS |    |

### 12. ARMOUR

|    |                         |    |
|----|-------------------------|----|
| OX | AISI 304 SS             | OX |
| OY | AISI 316 SS             |    |
| OZ | PVC (Ambient max. 60°C) |    |

### 13. REMOTE MOUNTING LENGTH

|      |                       |      |
|------|-----------------------|------|
| XXXX | 1000 mm up to 4000 mm | XXXX |
|------|-----------------------|------|

### 14. OTHER OPTIONS

|    |                           |    |
|----|---------------------------|----|
| TC | Material test certificate | TC |
| TN | NACE standards            |    |

**Ordering Example : EXT-S47-LF-DG-04N-OA-A25-R-PA-100-B8-OU-OX-TC**

## NOTES

1. Other sealing liquids are available , contact factory for further details.
2. All metal diaphragms are laser welded to the Top Chamber.

## Flange Table

| ANSI B 16.5 |      |        |      |      |        |      |      |        |
|-------------|------|--------|------|------|--------|------|------|--------|
| Code        | Size | Rating | Code | Size | Rating | Code | Size | Rating |
| A01         | ½"   | 150#   | A02  | ½"   | 300#   | A03  | ½"   | 600#   |
| A04         | ½"   | 900#   | A05  | ½"   | 1500#  | A06  | ½"   | 2500#  |
| A07         | ¾"   | 150#   | A08  | ¾"   | 300#   | A09  | ¾"   | 600#   |
| A10         | ¾"   | 900#   | A11  | ¾"   | 1500#  | A12  | ¾"   | 2500#  |
| A13         | 1"   | 150#   | A14  | 1"   | 300#   | A15  | 1"   | 600#   |
| A16         | 1"   | 900#   | A17  | 1"   | 1500#  | A18  | 1"   | 2500#  |
| A19         | 1¼"  | 150#   | A20  | 1¼"  | 300#   | A21  | 1¼"  | 600#   |
| A22         | 1¼"  | 900#   | A23  | 1¼"  | 1500#  | A24  | 1¼"  | 2500#  |
| A25A        | 1½"  | 150#   | A26  | 1½"  | 300#   | A27  | 1½"  | 600#   |
| A28         | 1½"  | 900#   | A29  | 1½"  | 1500#  | A30  | 1½"  | 2500#  |
| A31         | 2"   | 150#   | A32  | 2"   | 300#   | A33  | 2"   | 600#   |
| A34         | 2"   | 900#   | A35  | 2"   | 1500#  | A36  | 2"   | 2500#  |
| A37         | 2½"  | 150#   | A38  | 2½"  | 300#   | A39  | 2½"  | 600#   |
| A40         | 2½"  | 900#   | A41  | 2½"  | 1500#  | A42  | 2½"  | 2500#  |
| A43         | 3"   | 150#   | A44  | 3"   | 300#   | A45  | 3"   | 600#   |
| A46         | 3"   | 900#   | A47  | 3"   | 1500#  | A48  | 3"   | 2500#  |
| A49         | 4"   | 150#   | A50  | 4"   | 300#   | A51  | 4"   | 600#   |
| A52         | 4"   | 900#   | A53  | 4"   | 1500#  | A54  | 4"   | 2500#  |