

*Flush Type*

**MIEPL** make diaphragm seals, mounted with pressure gauges, process transmitters, pressure switches etc. By using diaphragm seals, the measuring instruments can be used at extreme temperatures from -40 to +370 °C. This is widely used for Pressure Transmitter.



**FEATURES**

- One piece construction
- welded diaphragm
- Flushed diaphragm
- Ideal for Transmitters

**APPLICATION**

- Isolation applications
- Viscous & corrosive media
- High-pressure applications

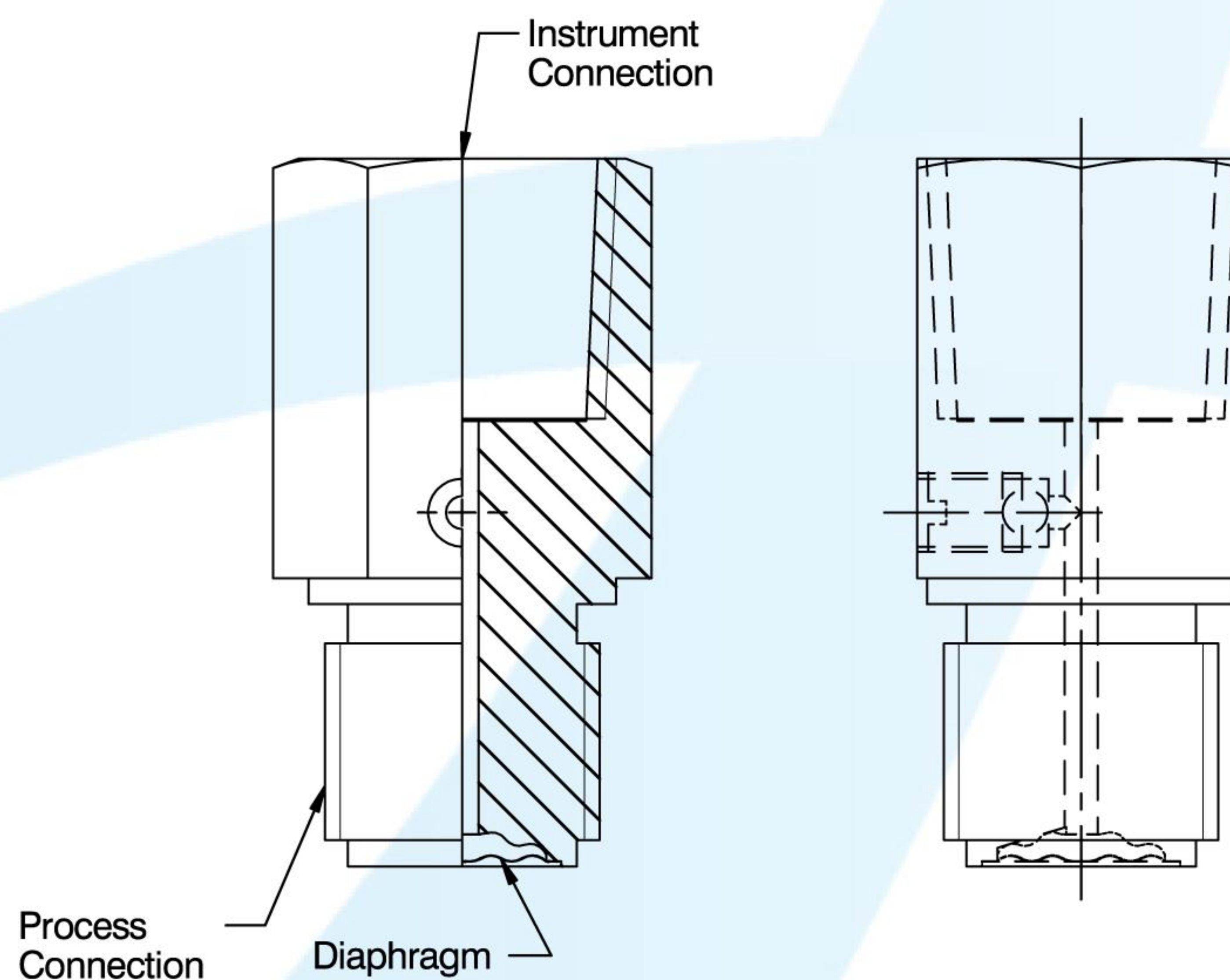
**STANDARD SPECIFICATIONS**

|                       |                                |
|-----------------------|--------------------------------|
| Range type            | : 10...600 bar*                |
| Body material         | : AISI 316 SS                  |
| Diaphragm             | : AISI 316L SS                 |
| Instrument connection | : 1/2" NPT (F)                 |
| Sealing fluid         | : Silicon DC 200 (-40...205°C) |
| Process connection    | : 1/2 NPT (M)*                 |
| Assembly              | : Direct                       |

\*Refer range vs Process connection table

**DWARING**

**Type R11**



## ORDERING CODE

MDS04 - R11 - CF - DG - 3BF - FA - 4NF - B8

|                            |                                 |     |              |     |             |     |      |
|----------------------------|---------------------------------|-----|--------------|-----|-------------|-----|------|
| 1. RANGE TYPE              | 10...600 bar                    | R11 |              |     |             |     |      |
| 2. CHAMBER MATERIAL        | AISI 316 SS                     | CF  |              |     |             |     |      |
|                            | AISI 316L SS                    | CG  |              |     |             |     |      |
| 3. DIAPHRAGM MATERIAL      | AISI 316L SS                    |     | DG           |     |             |     |      |
| 4. INSTRUMENT CONNECTION   | 3/8" BSP (F)                    |     |              |     | 3BF         |     |      |
|                            | 1/2" NPT (F)                    |     |              |     | 4NF         |     |      |
|                            | 1/4" BSP (F)                    |     |              |     | 2BF         |     |      |
|                            | 1/2" BSP (F)                    |     |              |     | 4BF         |     |      |
|                            | 1/4" NPT (F)                    |     |              |     | 2NF         |     |      |
| 5. SEALING FLUID           | Silicon DC 200 [-40°C to 205°C] |     |              |     |             | FA  |      |
|                            | Food grade oil [-20°C to 140°C] |     |              |     |             | FF  |      |
|                            | Glycerine [10°C to 150°C]       |     |              |     |             | FG  |      |
|                            | Syltherm 800 [-40°C to 315°C]   |     |              |     |             | FI  |      |
|                            | Silicon DC 710 [7°C to 371°C]   |     |              |     |             | FL  |      |
| 6. PROCESS CONNECTION      | 1/2" NPT (M)                    | 4NM | 1.5" BSP (M) | 7BM | 1" BSP (M)  | 6BM |      |
|                            | 1" NPT (M)                      | 6NM | 3/4" NPT (M) | 5NM | 2" BSP (M)  | 8BM |      |
|                            | 2" NPT (M)                      | 8NM | 1.5" NPT (M) | 7NM |             |     |      |
|                            | 3/4" BSP (M)                    | 5BM | 1/2" BSP (M) | 4BM |             |     |      |
| 7. ASSEMBLY                | Direct                          |     |              |     |             |     | B8   |
|                            | Remote (capillary)              |     |              |     |             |     | B9   |
| 8. CAPILLARY               | AISI 304 SS                     |     |              |     |             |     | OU   |
|                            | AISI 316 SS                     |     |              |     |             |     | OV   |
| 9. ARMOUR                  | AISI 304 SS                     | OX  |              |     | AISI 316 SS |     | OY   |
|                            | PVC (Ambient max. 60°C)         | OZ  |              |     |             |     |      |
| 10. REMOTE MOUNTING LENGTH | 1000 mm up to 4000 mm           |     |              |     |             |     | XXXX |
| 11. OTHER OPTIONS          | Dry seal                        |     |              |     |             |     | XZ   |
|                            | Helium leak test                |     |              |     |             |     | SL   |
|                            | Material test certificate 2.2   |     |              |     |             |     | SM   |
|                            | Material test certificate 3.1   |     |              |     |             |     | SC   |

## CONNECTION SIZE Vs RANGE CHART

| Thread Size                     | 1/2"             | 3/4"             | 1"               | 1 1/2"           | 2"               |
|---------------------------------|------------------|------------------|------------------|------------------|------------------|
| "Diaphragm size (OD/ED) in "mm" | "15/12           | 20/16            | 27/23            | 40/32            | 48/40            |
| Range (bar)                     | 0...10 to 0...40 | 0...10 to 0...40 | 0...10 to 0...40 | 0...10 to 0...40 | 0...10 to 0...40 |

Ordering Example MDS04 - R11 - CF - DG - 3BF - FA - 4NF - B8

**NOTES:**

1. Different sealing liquids Can be Provided, Please Refer Factory.
2. Remote mounting available in connection 1" and above.