

## Diaphragm seal MD 80

Part no. 31402W

Diaphragm seal MD 80 Flange version

### benefits

- flush, welded diaphragm
- for DIN and ASME flange connections
- numerous special materials and coatings (option)
- with bottom instrument connection as cell design (option)

### Application

For mounting to Bourdon tube pressure gauges, pressure transducers or pressure switches. For corrosive, highly viscous, polluted, crystallising or hot media. Typical application areas:

Chemical Industry

Petrochemistry

Refineries

Power plant engineering

### Technical Specifications

#### Process connection/tubus

Stainless steel 316 L

flange connection as per ASME B 16.5 (Raised Face)

#### diaphragm

Stainless steel 316 L

#### Instrument connection

Welded connection

#### pressure transmission liquid

Paraffin oil (FM 09), FDA-listed

#### pressure range

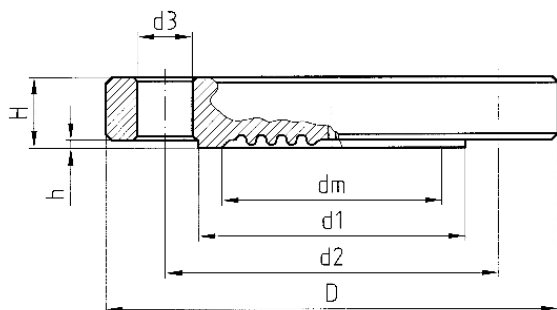
see overview of versions

#### Nominal pressure

CL 150

## Technical Drawings

**Type MD 80 - flange connection as per ASME B 16.5 (Raised Face)**



| DN  | CL  | D     | d1    | d2    | d3     | H    | h   | dm |
|-----|-----|-------|-------|-------|--------|------|-----|----|
| 1"  | 150 | 108   | 50,8  | 79,4  | 4x15,9 | 14,3 | 1,6 | 28 |
|     | 300 | 123,9 | 50,8  | 88,9  | 4x19,1 | 17,5 | 1,6 | 28 |
| 1½" | 150 | 127   | 73,2  | 98,6  | 4x15,9 | 17,5 | 1,6 | 36 |
|     | 300 | 155,6 | 73,2  | 114,3 | 4x22,4 | 22,4 | 1,6 | 36 |
| 2"  | 150 | 152,4 | 92,1  | 120,7 | 4x19,1 | 19,1 | 1,6 | 48 |
|     | 300 | 165,1 | 92,1  | 127   | 8x19,1 | 25,4 | 1,6 | 48 |
| 3"  | 150 | 190,5 | 127   | 152,4 | 4x19,1 | 23,9 | 1,6 | 48 |
|     | 300 | 209,6 | 127   | 168,3 | 8x22,4 | 31,8 | 1,6 | 48 |
| 4"  | 150 | 228,6 | 157,2 | 190,5 | 8x19,1 | 23,9 | 1,6 | 48 |
|     | 300 | 254   | 157,2 | 200,1 | 8x22,3 | 31,7 | 1,6 | 48 |

## Versions

| Process connection | standard                                           | Instrument connection | Nominal pressure | minimum range* (in bar) at nominal size |         |         |         |              |   | Part no. |
|--------------------|----------------------------------------------------|-----------------------|------------------|-----------------------------------------|---------|---------|---------|--------------|---|----------|
|                    |                                                    |                       |                  | 63                                      | 100     | 160     | DMU     | DMU 13 Vario |   |          |
| 3"                 | flange connection as per ASME B 16.5 (Raised Face) | Welded connection     | CL 150           | 0.6 bar                                 | 0.6 bar | 0.6 bar | 0.6 bar | 0.6 bar      | ● | 31402W   |

● in-stock items

● Non-stock items