

Diaphragm seal MD 80

Part no. 31399W

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

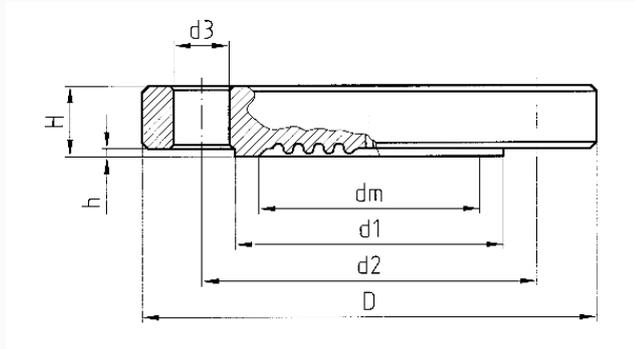
see overview of versions

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 | | |
| 2" | 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 | ● | 31399W |

● in-stock items

● Non-stock items