

## Diaphragm seal MD 22

Part no. 31997W

Diaphragm seal MD 22 Compact version



### benefits

- robust, compact stainless steel design
- ideal for heavy fuel oil, suspensions and corrosive media
- suitable for medium pressure ranges

### Application

For mounting to Bourdon tube pressure gauges, pressure transducers or pressure switches. For corrosive, hot and polluted media at medium pressures. Specially suitable for mechanical engineering and chemical industry applications.

### Technical Specifications

#### Process connection

Stainless steel 316 L  
fixed male thread G $\frac{1}{4}$ B

#### diaphragm

stainless steel 316 Ti/316 L  
Internal, welded

#### Instrument connection

Welded connection

#### pressure transmission liquid

Paraffin oil (FM 09), FDA-listed

#### pressure range

see overview of versions

#### Nominal pressure

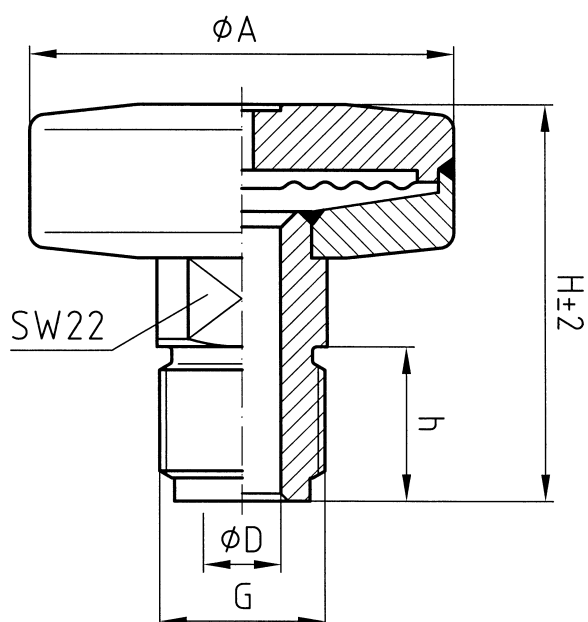
PN 40

### Options

- Adapter for instrument connection G $\frac{1}{4}$ B/G $\frac{1}{2}$ B
- Cooling element (> 100 °C)
- Capillary tube
- other threads
- other materials
- other filling liquids

## Technical Drawings

Type MD 22



| PN  | G                  | $\phi A$ | $\phi D$ | h  | H    |
|-----|--------------------|----------|----------|----|------|
| 40  | G $\frac{1}{4}$ B  | 55       | 6        | 13 | 44,5 |
| 40  | G $\frac{3}{8}$ B  | 55       | 6        | 16 | 47,5 |
| 40  | G $\frac{1}{2}$ B  | 55       | 10       | 20 | 51,5 |
| 40  | $\frac{1}{4}$ "NPT | 55       | 6        | 15 | 46,5 |
| 40  | $\frac{1}{2}$ "NPT | 55       | 10       | 20 | 51,5 |
| 250 | G $\frac{1}{4}$ B  | 40       | 6        | 13 | 44,5 |
| 250 | G $\frac{3}{8}$ B  | 40       | 6        | 16 | 47,5 |
| 250 | G $\frac{1}{2}$ B  | 40       | 10       | 20 | 51,5 |
| 250 | $\frac{1}{4}$ "NPT | 40       | 6        | 15 | 46,5 |
| 250 | $\frac{1}{2}$ "NPT | 40       | 10       | 20 | 51,5 |

Versions

| Process<br>connec-<br>tion | standard | Instru-<br>ment con-<br>nection | Nominal<br>pressure | minimum range* (in bar) at nominal size |         |         |         |                 | Part no. |
|----------------------------|----------|---------------------------------|---------------------|-----------------------------------------|---------|---------|---------|-----------------|----------|
|                            |          |                                 |                     | 63                                      | 100     | 160     | DMU     | DMU 13<br>Vario |          |
| G1/4B                      |          | Welded<br>connec-<br>tion       | PN 40               | 0.6 bar                                 | 0.6 bar | 0.6 bar | 0.6 bar | 0.6 bar         | 31997W   |

- in-stock items
- Non-stock items