



Diaphragm seal MD 63

Part no. 31340W

Diaphragm seal MD 63 for VARINLINE® housings

benefits

- defined installation and press-fitting with metal stop
- hygienic design as per EHEDG recommendations
- medium cannot get behind the seal
- SIP/CIP enabled

Application

Diaphragm seal MD 63 for sterile process separation of pressure measuring and control units in pipes or tanks. For mounting to Bourdon tube pressure gauges, pressure transducers and pressure switches. For installation in sterile processes without dead spaces. Typical application areas: Sterile applications in process engineering

Pharmaceutical industry
 Biotechnology
 Food and beverages industry
 Beverage machines
 Dairies
 Breweries

Description

All materials used are FDA-listed and comply with the EHEDG hygienic design recommendations. The chemical seal and the measuring instrument are welded together, resulting in an inseparable single, shock- and vibration-resistant unit without external edges that might collect dirt. The chemical seal is available for type F and type N; due to its compact design, it is suitable for a wide range of applications.

Technical Specifications

Process connection

Stainless steel 316 L
 type F for housings DN 25 and 1"

nominal installation diameter

type F
 50 mm

diaphragm

Stainless steel 316 L

material (wetted parts)

Stainless steel 316 L, EPDM
 USP CLASS VI classified, FDA-listed

surface roughness R_a

$\leq 0.8 \mu\text{m}$

Seal
EPDM

Instrument connection
Welded connection

pressure transmission liquid
Paraffin oil (FM 09), FDA-listed

pressure range
see overview of versions

Options

- other materials
- electropolished
- Cooling element, electropolished (> 100 °C)
- Capillary tube
- other filling liquids
- Accessories (brackets, housings and seals)

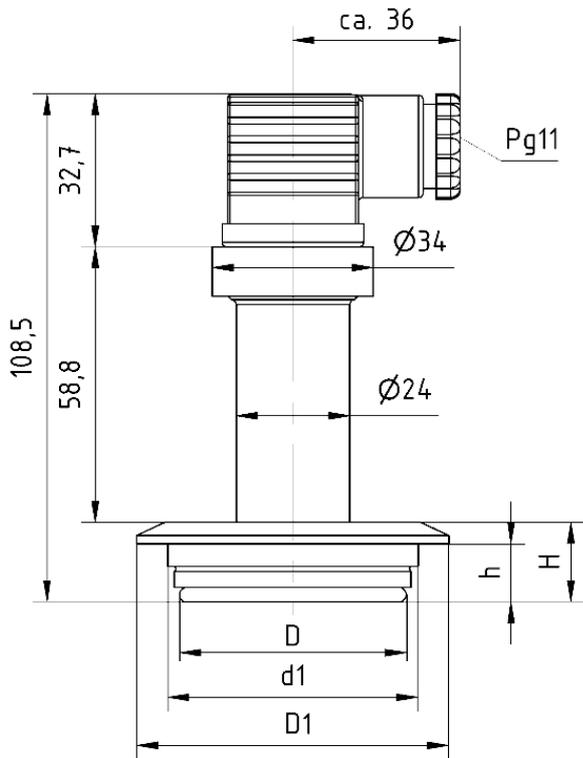
Nominal pressure
PN 25

Can be mounted to

- Bourdon tube pressure gauges NG 50, 63, 80, 100, 160
- Pressure transducers (DMU)
- Pressure switches (DS)

Technical Drawings

pressure transducer DMU 02 Vario VT with MD 63 Varivent type



| An- schluss | Mindestan- zeigebereich (in bar) bei NenngroÙe | | | | D | D1 | d1 | H | h | VARIN- LINE |
|-----------------------------|--|-----|-----|-----|----|----|----|----|------|-------------------------|
| | 63 | 100 | 160 | DMU | | | | | | |
| VARI- VENT® Form F | 4 | 4 | - | 1 | 50 | 66 | 53 | 17 | 12,3 | DN 25, 1" |
| VARI- VENT® Form N | 0,6 | 0,6 | 0,6 | 0,6 | 68 | 84 | 71 | 17 | 12,3 | DN 40-125, 1½"-6" |

Versions

| Process connection | standard | Instrument connection | Nominal pressure | minimum range* (in bar) at nominal size | | | | | Part no. | |
|--------------------|--|-----------------------|------------------|---|-------|-----|-------|--------------|----------|--------|
| | | | | 63 | 100 | 160 | DMU | DMU 13 Vario | | |
| type F | for VARI-VENT®/ VARINLI-NE® In-Line housing | Welded connection | PN 25 | 4 bar | 4 bar | | 1 bar | 1 bar | ● | 31340W |

● in-stock items

● Non-stock items