



Diaphragm seal 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 N for housings DN 40-125 and 1½"- 6"

nominal installation diameter

Type N
68 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

Options

- other materials
- electropolished
- Cooling element, electropolished ($> 100 \text{ }^\circ\text{C}$)
- Capillary tube
- other filling liquids
- Accessories (brackets, housings and seals)

pressure transmission liquid

Paraffin oil (FM 09), FDA-listed

pressure range

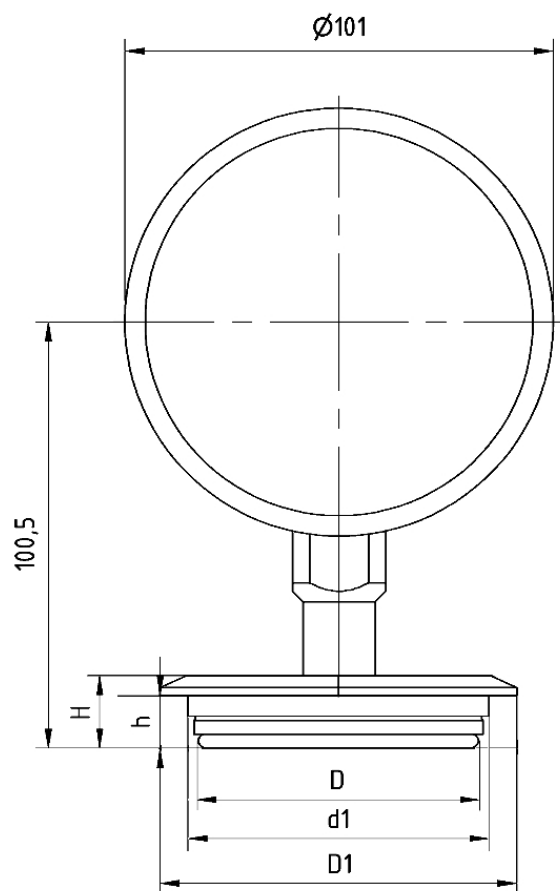
see overview of versions

Can be mounted to

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

Technical Drawings

pressure gauge NG 100 with MD 63 Varivent type N



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 connec- tion	standard	Instru- ment con- nection	Nominal pressure	minimum range* (in bar) at nominal size						Part no.
				63	100	160	DMU	DMU 13 Vario		
Type N	for VARI- VENT®/ VARINLI- NE® In- Line hou- sing	Welded connec- tion	PN 25	0.6 bar	0.6 bar	0.6 bar	0.6 bar	0.6 bar		31341W

-  in-stock items
-  Non-stock items