



## Diaphragm seal MD 56 BioControl® D80

**Part no. 31413W**

**Diaphragm seal MD 56 NEUMO BioControl®**

### benefits

- defined installation and press-fitting with metal stop
- medium cannot get behind the seal
- SIP/CIP enabled

### Application

Flange type diaphragm seal MD 56 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. Defined installation as per 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 seals are available with nominal diameters 25, 50, 65, 80; due to their compact design, they are suitable for a wide range of applications.

### Technical Specifications

#### Process connection

Stainless steel 316 L  
 NEUMO BioControl®  
 D80

#### diaphragm

Stainless steel 316 L

#### material (wetted parts)

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

**surface roughness  $R_a$** 

≤ 0.8 μm

**Seal**

EPDM

**Instrument connection**

Welded connection

**pressure transmission liquid**

Paraffin oil (FM 09), FDA-listed

**Options**

- other materials
- electropolished
- Cooling element
- capillary
- other filling liquids
- Accessories such as housing, block flange and seals

**pressure range**

see overview of versions

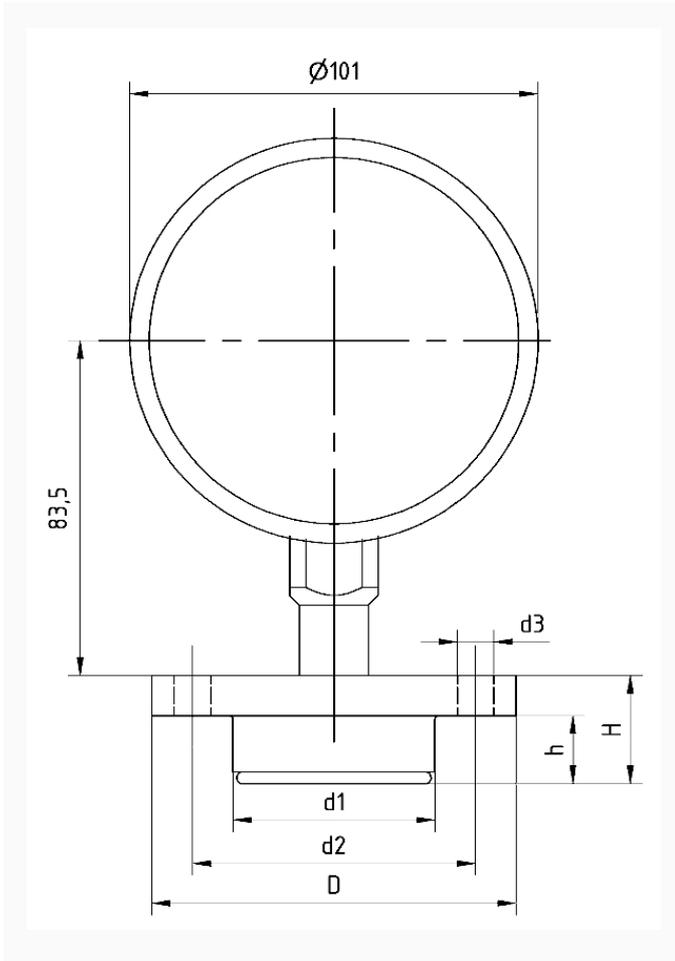
**Nominal pressure**

PN 16

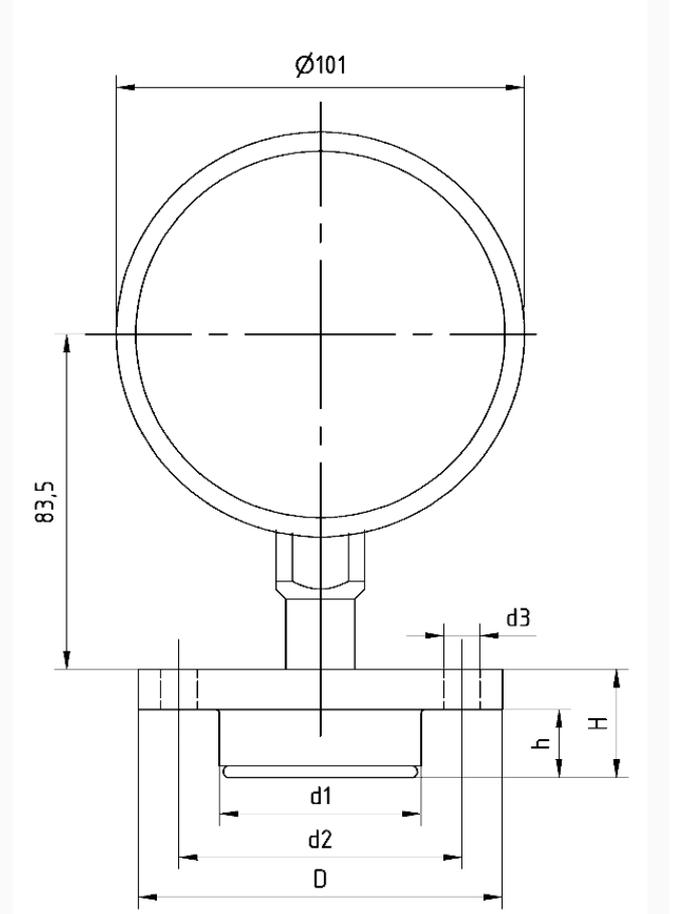
**Can be mounted to**

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

Technical Drawings



Pressure gauge NG 100 with MD 56



An- schluss	D	d1	d2	d3	H	h
BioCon- troll® D25	64	30,4	50	4 x $\varnothing 7$	20	11
BioCon- troll® D50	90	49,9	70	4 x $\varnothing 9$	27	17
BioCon- troll® D65	120	67,9	95	4 x $\varnothing 11$	27	17
BioCon- troll® D80	140	87,4	115	4 x $\varnothing 11$	37	25

## Versions

Process connection	standard	Instrument connection	Nominal pressure	minimum range* (in bar) at nominal size					Part no.
				63	100	160	DMU	DMU 13 Vario	
D80	NEUMO BioControl®	Welded connection	PN 16	0.6 bar	0.6 bar	0.6 bar	0.6 bar		31413W

 in-stock items

 Non-stock items