



Diaphragm seals for hygienic applications

benefits

- 3-A-certified in conjunction with Bourdon tube pressure gauge RF 63/100 and chemical seal DMU 02 Vario
- all materials FDA-listed
- SIP/CIP enabled
- NovAseptic®-compatible (1" up to 2½")

Application

For mounting to Bourdon tube pressure gauges, pressure transducers or pressure switches. For viscous, perishable or hot media. Typical application areas:

Food and beverages industry
Beverages industry
Pharmaceutical industry
Biotechnology

Description

All materials used are FDA-listed. The chemical seal and the measuring instrument are welded together, resulting in an inseparable single, shock- and vibration-resistant unit that does not require additional external protection. The chemical seals are available with various nominal diameters; due to their compact design, they are suitable for a wide range of applications.

Technical Specifications

Process connection

Stainless steel 316 L
Clamp ISO 2852

diaphragm

Stainless steel 316 L
welded to upper body, no dead space

surface roughness R_a

≤ 0.8 µm

Instrument connection

Welded connection

pressure transmission liquid

Paraffin oil (FM 09), FDA-listed

pressure range

see overview of versions

Options

- Adapter for instrument connection G $\frac{1}{4}$ B/G $\frac{1}{2}$ B
- special materials/coatings
- electropolished
- Cooling element (> 100 °C)
- Capillary tube
- other filling liquids
- Accessories (retainer ring, seal, socket)
- other process connections:
MD 61: Clamp DIN 32676
MD 62: Tri-Clamp

Versions

Process connection	standard	Instru- ment con- nection	Nominal pressure	minimum range* (in bar) at nominal size						Part no.
				63	100	160	DMU	DMU 13 Vario		
¾"	Clamp ISO 2852	Welded connec- tion	PN 40	6 bar			1.6 bar		●	31913W
1"	Clamp ISO 2852	Welded connec- tion	PN 40				1.6 bar		●	31914W
1"	Clamp ISO 2852	Welded connec- tion	PN 40	4 bar	4 bar		1 bar		●	31912W
1½"	Clamp ISO 2852	Welded connec- tion	PN 40	0.6 bar	0.6 bar	1.6 bar	1 bar	1 bar	●	31324W
2"	Clamp ISO 2852	Welded connec- tion	PN 40	0.6 bar	0.6 bar	0.6 bar	0.6 bar	0.6 bar	●	31325W
2½"	Clamp ISO 2852	Welded connec- tion	PN 25	0.6 bar	0.6 bar	0.6 bar	0.6 bar	0.6 bar	●	31326W

- in-stock items
- Non-stock items