

## Diaphragm seal MD 60

Part no. 31914W

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

#### Nominal pressure

PN 40

#### Test

3-A-certified  
 nominal diameter 1"– 2½"  
 for 63/100 (crimped bezel/bayonet bezel versions)  
 for DMU 02 Vario

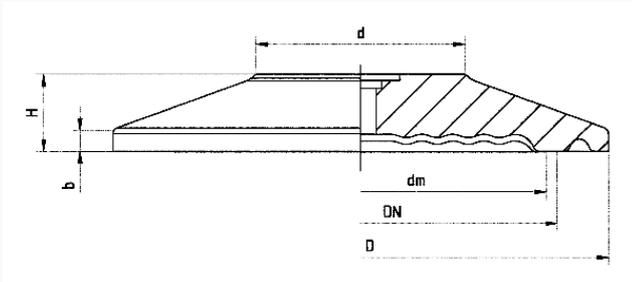
### Options

- Adapter for instrument connection G¼B/G½B
- 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

**Technical Drawings**

**Type MD 60 - clamp connection 1"-2½", ISO 2852**



DN	PN	D	dm	d	H	b
1"	40	50,5	23,5	27	10	2,85
1½"	40	50,5	36	27	10	2,85
2"	40	64	48	27	10	2,85
2½"	25	77,5	48	38,2	10	2,85

**Versions**

Process connection	standard	Instrument connection	Nominal pressure	minimum range* (in bar) at nominal size					Part no.
				63	100	160	DMU	DMU 13 Vario	
1"	Clamp ISO 2852	Welded connection	PN 40				1.6 bar	●	31914W

- in-stock items
- Non-stock items