

# Diaphragm seal MD 40 for the paper and pulp industries



- Special flange connection for the pulp and paper industries
- Compact design
- Can be welded directly to the pressure gauge
- Various tubus lengths available



**Application** For use with Bourdon tube pressure gauges, pressure transducers or pressure switches. For corrosive, highly viscous, polluted or hardening media. Typical applications areas:

- Paper industry
- Pulp industry
- Lacquer industry

## Technical specifications

### Process connection/tubus

Stainless steel 316 L, DN 48  
loose retaining flange,  
stainless steel 304

### Diaphragm

Stainless steel 316 L

### Seal

NBR (Perbunan)

### Instrument connection

Stainless steel 316 L  
Welded connection

### Pressure transmission liquid

Paraffin oil (FM 09), FDA-listed

### Pressure ranges

See price list section

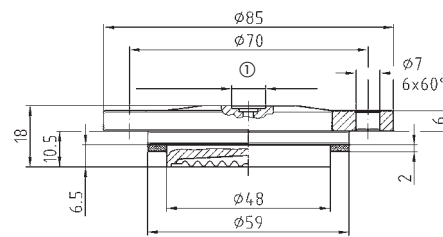
### Nominal pressure

PN 40

### Scope of delivery

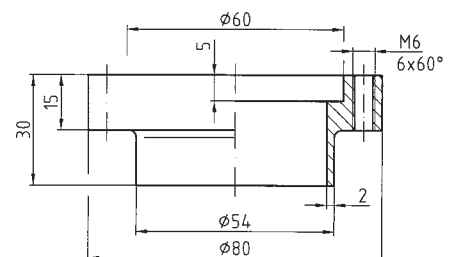
- Diaphragm seal
- Screws M 6 x 20 (galvanised steel)
- Seal (NBR) 59 x 48 x 2 mm

MD 40  
Dimensions (mm)



① Welded connection  $\varnothing$  10 for instrument

Welding flange (option)  
Dimensions (mm)



## Options

### Process connection/tubus

- Extended tubus 18 mm (also suitable for O ring seal)
- Special materials
- Silicone-free version

### Diaphragm

- Special materials

### Instrument connection

- Adapter for instrument connection G $\frac{1}{4}$ B/G $\frac{1}{2}$ B
- Cooling element (> 100 °C)
- Capillary tube

### Miscellaneous

- Other filling liquids

### Mounting accessories

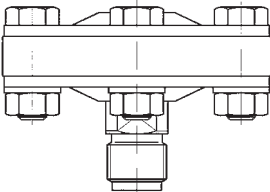

- Welding flange stainless steel 304



See page 405 for prices.

# Diaphragm seals MD 30/40

DG: M

	<b>MD 30</b> standard version							
	Nominal pressure	Process connection	Minimum range* (in bar) at nominal size				Part no.	Price €
			63	100	160	DMU		
	PN 25	Stainless steel 316 L, G½B	0.6	0.6	0.6	0.6	31417W	
	PN 100	Stainless steel 316 L, G½B	0.6	0.6	0.6	0.6	31331W	
	PN 250	Stainless steel 316 L, G½B	0.6	0.6	0.6	0.6	31332W	
	<b>Extra charges</b>							
	Process connection G½B, PFA-coated							
	Process connection ½-14 NPT							
	Process connection ½-14 NPT, PFA-coated							
Process connection G½ female thread							<b>Without extra charge</b>	
Process connection G½ female thread, PFA-coated								
	<b>MD 40</b> version for the paper and pulp industries							
	Instrument connection stainless steel 316 L, welded connection							
	Process connection stainless steel 316 L, DN 48, PN 40 (including seal and screws)							
	Retaining flange stainless steel 304, ranges 0/1.6 to 0/40 bar*							
							Part no.	Price €
	Direct connection						31347W	
<b>Spare parts/accessories</b>								
6 screws M6 x 20						31418		
Spare seal, Perbunan 59 x 48 x 2						31419		

\* Valid for standard pressure transmission liquid with direct mounting (without capillary tube) at a room temperature and temperature of the medium of 20 °C.