

## Diaphragm seal

flanged process connection  
internal diaphragm - welded design

### Applications

- chemical and petrochemical
- corrosive, viscous or crystallizing media
- high temperature

### Standards / Approvals

- EN 1092-1 / DIN 2501
- ASME B 16.5
- other on request



### Features

- small size flanged connection
- internal diaphragm
- effective diaphragm diameter wider than nominal diameter
- wide range of instrument connections

### Pressure rating

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### Process connection

- flanged DN15, DN20 and DN25
- flanged 1/2", 3/4" and 1"
- other on request

### Instrument connection

- 1/2" BSPP, NPT
- 1/4" BSPP, NPT
- M20x1,5
- other on request

### Wetted parts material

- 304 (1.4301) stainless steel
- 316L (1.4404) stainless steel
- 316Ti (1.4571) stainless steel
- special materials on request:  
Hastelloy C276, Duplex, Monel, Tantalum,  
Titanium, Nickel

### Filling fluid

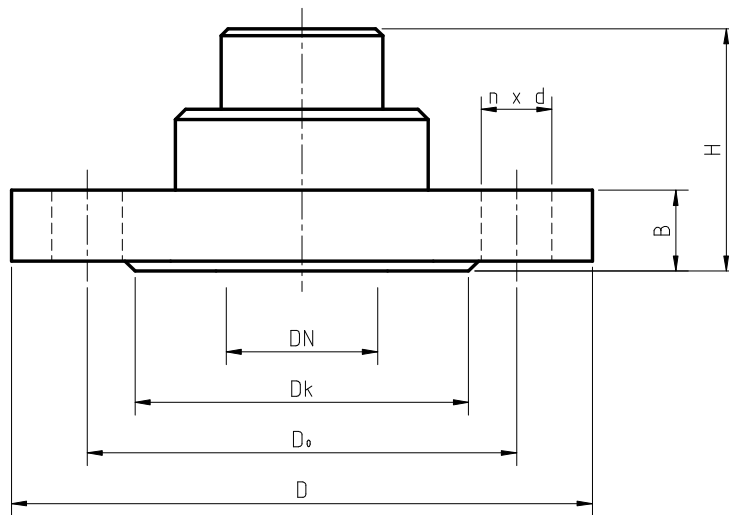
- silicone oil (max. 200°C)
- high temperature oil (max. 315°C)
- oil for vacuum service
- vegetable oil
- fluorine oil
- other on request

### Optional capillary

- length up to 15m
- armored, axial entry
- 304 (1.4301) stainless steel

### Options

- radiator
- radial capillary entry
- other on request



### Dimensions for EN 1092-1 / DIN 2501 (in mm)

DN	PN	D <sub>m</sub>	D <sub>k</sub>	D <sub>o</sub>	D	B	H	n	d
15	10/40	49,8	45	65	95	14	47	4	14
20	10/40	49,8	58	75	105	16	49	4	14
25	10/40	49,8	68	85	115	16	49	4	14

### Dimensions for ASME B 16.5 (in mm)

DN	Klasa	D <sub>m</sub>	D <sub>k</sub>	D <sub>o</sub>	D	B	H	n	d
1/2"	150	40	35	60,5	90	14	47	4	14
	300	49,8	35	66,5	95	14	47	4	14
3/4"	150	49,8	43	70	100	16	49	4	14
	300	49,8	43	82,5	118	16	49	4	14
1"	150	49,8	51	89	108	16	49	4	14
	300	63,4	51	89	124	16	49	4	14

**Ordering:** model - process connection (DN, PN or Class, flange face type) - material (diaphragm, flange) - capillary length (if applicable) - instrument connection - other options or requests

For proper diaphragm seal manufacturing and calibration, process data - temperatures, pressures and media type - should be provided.