Diaphragm In-Line Seals
For Flanged Connections
Cell-Type (Sandwich), Model 981.10

Applications
- For direct, permanent installation in pipelines
- For flowing, pure and aggressive media
- Chemical process industry
- Petrochemical industry

Special Features
- Completely round, no corners and edges, European Patent No. 0629846
- For direct installation between two flanges
- Wide choice of special materials

Description
Process connection
For flanges following EN 1092-1 / ASME B 16.5
Nominal sizes see drawing and tables
Sealing faces, Form B1 or ASME RF 125 ... 250 AA

Pressure rating
PN 6 ... 400 or class 150 ... 2500

Pressure ranges
Preferably assembled on pressure gauges
NS 63, 100, 160 or pressure transmitters,
measuring ranges 0 ... 0.6 to 0 ... 400 bar

Body and material of wetted parts
Stainless steel (AISI 316L)

Measuring instrument connection
Pressure gauge or transmitter directly welded,
process pressure transmitter with threaded adapter

System fill fluid
KN2, Silicone oil

Options
Process connection
- Sealing faces per EN 1092-1, Form B2 or per ASME B 16.5, RF 125 AA, 500AA, RFSF;
EN 1092-1 groove and tongue; projection and recess;
ASME B 16.5 snap ring groove Form RJF
( limited for special materials, please inquire)
- Flame arrester approved for Zone 0

Measuring instrument connection
- Capillary, when ordering please specify:
  length of capillary
- Cooling tower (for process temperature >140 °C)

Material of wetted parts
- Stainless steel 1.4435, 1.4541, 1.4571, 1.4462,
  Monel 400, Hastelloy C276, Inconel 600, Incoloy 825,
tantalum, Hastelloy B2, C4, C22 and nickel
- PFA coating
- ECTFE (Halar®) coating

Capillary
- Custom lengths between 1 and 15 m
- Soft polyethylene or PTFE armour
Dimensions in mm

Connection following EN 1092-1

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<th>DN in mm</th>
<th>PN in bar</th>
<th>Dimensions in mm</th>
<th>Weight in kg</th>
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Connection per ASME B 16.5

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Ordering information

Model / Process connection (standard, nominal size, pressure rating, sealing face form) / Material of wetted parts / Instrument connection: direct assembly or via capillary, capillary length / System fill fluid / Assembly on pressure measuring instrument model... / Process conditions: application, process temperature max. and min., ambient temperature max. and min.

Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.