Threaded Process Connection, Diaphragm Seals Model 990.10, Threaded Design

Applications

- Suitable for corrosive, contaminated, highly viscous or hot pressure media
- Chemical process industry
- Petrochemical industry

Special Features

- Process connection with thread for direct mounting
- Design with internal diaphragm and diaphragm bed, upper and lower housing threaded
- Variable, wide variety of process connections and materials

Diaphragm Seal, Threaded Process Connection, Threaded Design Model 990.10, with Pressure Gauge Model 232.50 NS 100

Description

Pressure rating
PN 25 ... 250 resp. class 150 ... 1500

Suitable pressure ranges
0 ... 0.6 bar to 0 ... 250 bar

Upper housing (instrument connection)
Material stainless steel 316 L, G ½ female

Diaphragm
Material stainless steel 316 L, welded with upper housing
Effective diameter of diaphragm Mb = 52 mm

Sealing ring
FPM (Viton®) max. 200 °C

Lower housing (process connection)
Material stainless steel 316 L, G ½ female

Fastening parts
Retainer flange, hexagonal bolts and nuts: galvanised steel max. 200 °C

Viton® fluorelastomers ist a registered trademark of DuPont Performance Elastomers.

Flanged Process Connection, Threaded Design see data sheet DS 99.31

Optional extras

Upper housing (instrument connection)
- Stainless steel 1.4571, 1.4541, titanium
- Capillary extension (welded with upper housing)
- Cooling tower for directly mounted gauge when fluid temperature > 100 °C

Diaphragm
- Stainless steel 1.4571, 1.4435, 1.4539, 1.4541, 1.4462
- Hastelloy B3, C4, C276, Monel 400, Nickel, Inconel 600, Incoloy 825, tantalum, titanium, zircon (upper housing titanium)
- Silver foil max. 150 °C
- PTFE foil max. 260 °C ≤ 100 bar
- PFA coating max. 260 °C
- ECTFE (Halar®) coating max. 150 °C

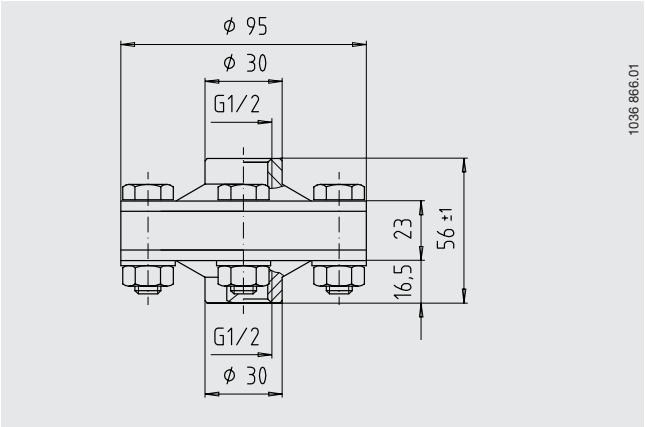
Sealing ring
- PTFE (standard with special material diaphragms) for max. 260 °C
- Metal seal form C, stainless steel 1.4571 silver plated or Inconel silver plated for max. 400 °C

Lower housing (process connection)
- Lining or coating of special material
- ½ NPT female
- G ½ B male (lower housing massive), ½ NPT male, (others feasible)
- Other connections on inquiry
- Lower housing with flushing connection

Fastening parts
- Retainer flange: stainless steel 1.4571 (for temperature > +250 °C)
- Hexagonal bolts and nuts: stainless steel, max. 260 °C high tensile alloy steel, max. 400 °C

Dimensions in mm

Threaded process connection, threaded design



PN in bar	Number of bolts	Weight in kg
25	4	1.30
100	4	1.30
250	8	1.50

Ordering information

Model / Process connection (standard, nominal size, pressure rating) / Material of diaphragm, lower housing, fastening parts and sealing ring / Instrument connection / Fill fluid / Pressure gauge model / Process conditions as per questionnaire / Optional extras required

WIKA Alexander Wiegand GmbH & Co. KG
Alexander-Wiegand-Straße 30
63911 Klingenberg/Germany
Phone (+49) 93 72/132-0
Fax (+49) 93 72/132-406
E-Mail info@wika.de
www.wika.de

9029346 10/2005 GB