



Flanged Connection with Screwed Diaphragm

Model: DIF-DSR



PRODUCT DESCRIPTION

- ▼ Used for rigid working environments and corrosive fluids like high temperature, sewage, high process pressures, and crystallization
- ▼ Various types and materials for diaphragm seal bodies that fit any kind of gauge upon request
- ▼ The flush port provides easy cleaning/flushing due to process media being prone to clogging
- ▼ Extremely high compatibility replacement for the WIKA 990.12

The product images displayed in the catalog are illustrative, and the actual products will be customized to your requirements.

PRODUCT SPECIFICATION

Type of process connection

ANSI/ ASME B16.5, JIS, DIN2527

Nominal diameter

1/2", 3/4", 1", 1 1/4", 1 1/2"

Instrument connection

1/4, 3/8, 1/2
PT, G, NPT, M

Scale ranges - metal diaphragm

Pressure gauge:

1/2", 3/4":

0 ... 4 bar to 0 ... 40 bar

1", 1 1/4":

-1 ... 5 bar, 0 ... 4 bar 0 ... 40 bar

1 1/2":

-1 ... 3 bar, 0 ... 2.5 bar to 0 ... 40 bar

Transmitter:

1/2", 3/4":

0 ... 0.6 bar to 0 ... 40 bar

1", 1 1/4":

-1 ... 1.5 bar, 0 ... 0.4 bar to 0 ... 40 bar

1 1/2":

-1 ... 0.6 bar, 0 ... 0.25 bar to 0 ... 40 bar

Scale ranges - PTFE diaphragm

Pressure gauge:

1/2", 3/4":

0 ... 2.5 bar to 0 ... 40 bar

1", 1 1/4":

-1 ... 3 bar, 0 ... 1.6 bar to 0 ... 40 bar

1 1/2":

-1 ... 1.5 bar, 0 ... 0.6 bar to 0 ... 40 bar

Transmitter:

1/2", 3/4":

0 ... 0.4 bar to 0 ... 40 bar

1", 1 1/4":

-1 ... 0.6 bar, 0 ... 0.25 bar to 0 ... 40 bar

1 1/2":

-1 ... 0.6 bar, 0 ... 0.1 bar to 0 ... 40 bar

or all other equivalent vacuum or

combined pressure and vacuum ranges

Material

Body:

304 SS, 316 SS, 316L SS, dual phase steel, Hastelloy C276, Tantalum,

Titanium, Monel 400, Nickel 200

Diaphragm:

316L SS, Hastelloy C276, Tantalum,

Titanium, Monel 400, Nickel 200,

Silicone, Viton, PTFE, 316L+PTFE*1,

316L+PTFE Coating*2

Medium temperature

0°C ... 80°C,

81°C ... 200°C,

201°C ... 400°C

Others

Welded with instrument, flush port, coating (PTFE, PFA), lining (metal or PTFE), capillary, cooling element

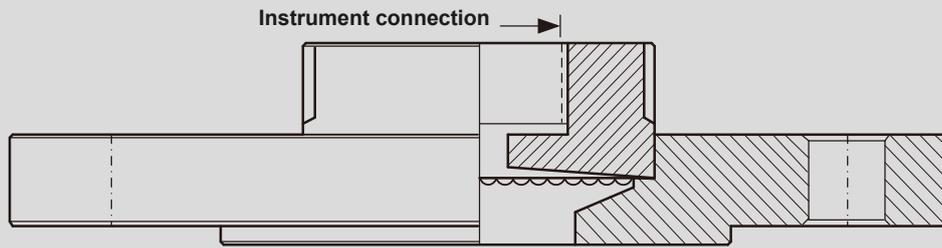
* Note:

1. When the diaphragm material is 316L with PTFE, it is not suitable for vacuum applications.

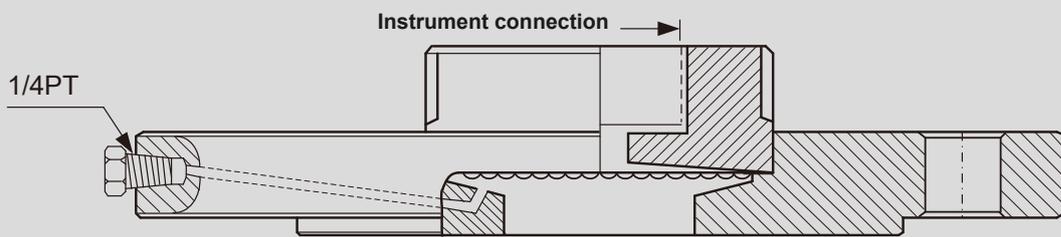
2. When the diaphragm material is 316L with PTFE coating, it must not be used in vacuum environments or for measuring media containing particles.

DIMENSIONS

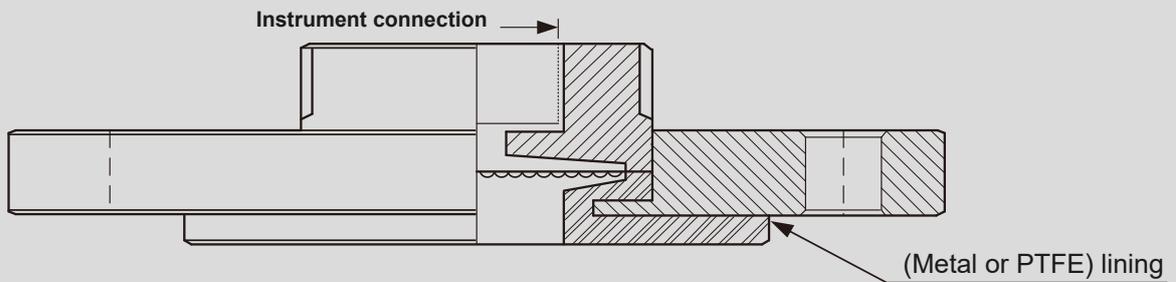
Screwed type



Screwed type + flush port



Screwed type + (metal or PTFE) lining





Gauging your needs!

ORDERING INFORMATION

Model / Type / Process connection / Nominal diameter / Material

Pressure gauge / Nominal size / Scale range / Medium temperature / Options

CONTACT INFORMATION

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- For any changes to the specifications of this catalogue, the latest version shall prevail. -

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