





Flanged Connection with Extended Diaphragm

Model: DIF-E



PRODUCT DESCRIPTION

▼
Upper body of the diaphragm seal, the extended diaphragm and the wetted parts can be made of identical or different materials

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As an alternative, the diaphragm and the extended diaphragm can be coated

▼
Used for contaminated, solidifying, hot or highly viscous media such as thick walled or isolated tanks and pipelines

PRODUCT SPECIFICATION

Type of process connection

ANSI/ ASME B16.5, JIS, DIN2527

Nominal diameter

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

Instrument connection

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

Scale ranges

Pressure gauge:

1 1/2":

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

2":

-1 ... 3 bar,

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

3", 4":

-1 ... 1.5 bar,

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

Transmitter:

1 1/2":

0 ... 0.25 bar to 0 ... 40 bar

2":

-1 ... 0.6 bar,

0 ... 0.25 bar to 0 ... 40 bar

3", 4":

-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, Titanium,

Tantalum, Monel 400, Nickel 200

Medium temperature

0°C ... 80°C,

81°C ... 200°C,

201°C ... 400°C

Others

Welded with instrument,

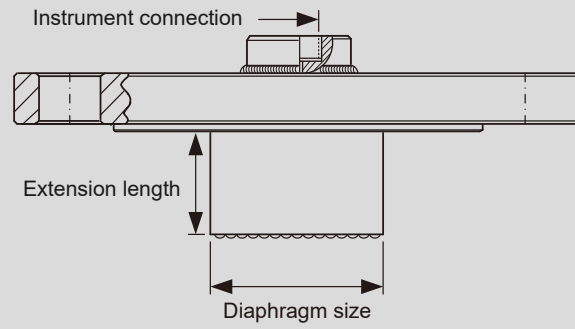
coating (PTFE or PFA), capillary with handling tube, cooling element

* Note:

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

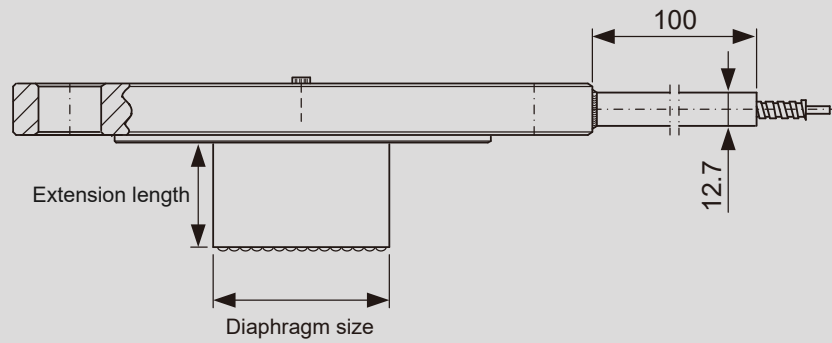
DIMENSIONS

Extended diaphragm



Unit: mm

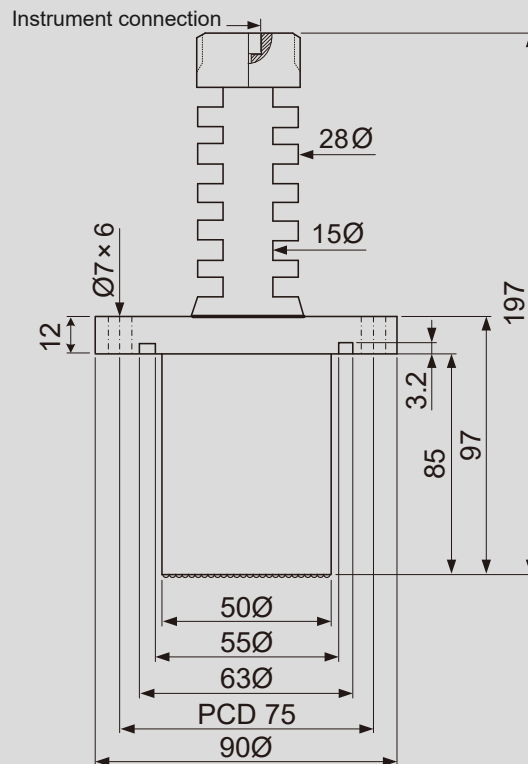
Extended diaphragm + Capillary with handling tube



Unit: mm

Nominal diameter	1 1/2"	2"	3"	4"
Diaphragm size	38Ø	47Ø	70Ø	90Ø

Six-hole extended diaphragm flange



Unit: mm



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Elementos For Manufacturing Processes



MEXICO BRANCH OFFICE

Roberto Diaz No. 401
Ciudad Industrial
Aguascalientes, Ags.
México
20290

4ManPro@4ManPro.com

+52 (449) 171 3420

www.4ManPro.com/SPA/

USA BRANCH OFFICE

708 Main St.
10th Floor
Houston, Tx, USA
77002

4ManPro_USA@4ManPro.com

+1 (832) 871 5022

www.4ManPro.com/ENG/