



# Flanged Connection with Flush Diaphragm

Model: DIF-F



## PRODUCT DESCRIPTION

- ▼ One-piece seal design bolts directly to process flange
- ▼ Flush-mounted diaphragm prevents clogging of process media
- ▼ Used in applications with difficult media such as machine building and automation

## PRODUCT SPECIFICATION

### Type of process connection

ANSI/ ASME B16.5, JIS, DIN2527

### Nominal diameter

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

### Instrument connection

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

### Scale ranges

Pressure gauge:

1" ... 1 1/2":  
0 ... 10 bar to 0 ... 40 bar  
2" ... 4":  
-1 ... 3 bar,  
0 ... 4 bar to 0 ... 40 bar  
3", 4":

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

Transmitter:

1" ... 1 1/2":  
0 ... 2.5 bar to 0 ... 40 bar  
2" ... 4":  
-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, Tantalum,  
Titanium, Monel 400, Nickel 200

### Medium temperature

0°C ... 80°C,  
81°C ... 200°C,  
201°C ... 400°C

### Others

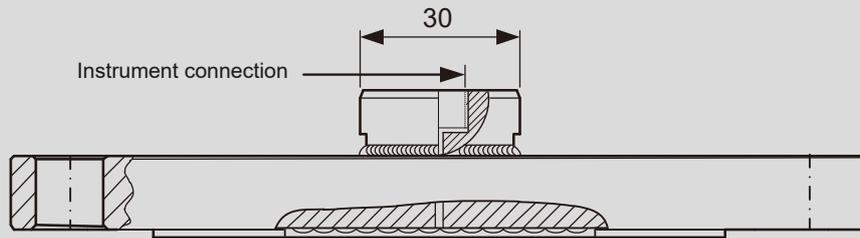
Welded with instrument, coating (PTFE  
or PFA), capillary, cooling element

\* 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.

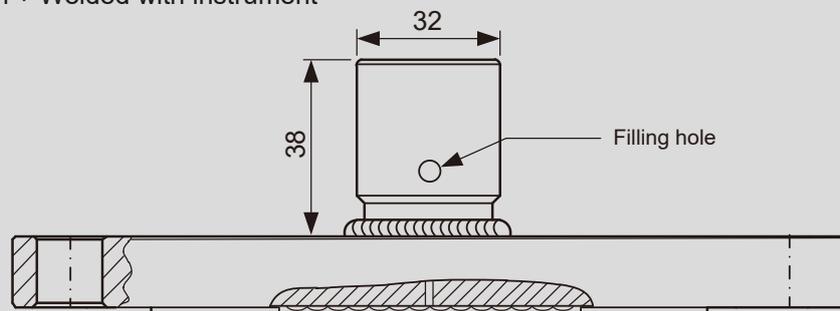
## DIMENSIONS

Flush diaphragm



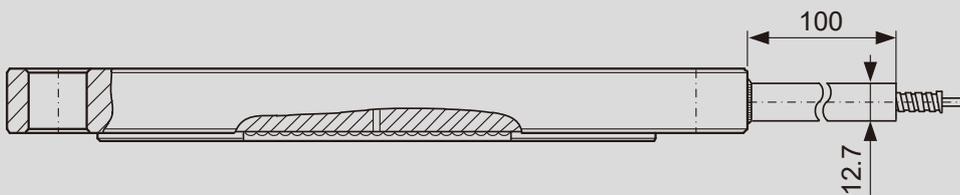
Unit: mm

Flush diaphragm + Welded with instrument



Unit: mm

Flush diaphragm + Capillary with handling tube



Unit: mm



*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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