





# Flanged Connection with Dual Diaphragm

Model: DIF-S



## PRODUCT DESCRIPTION

- ▼ Lower pressure ranges can be measured to meet pipeline connection needs and accuracy
- ▼ An alternative when flange diaphragm seal – “I” section type cannot be used due to lack of space
- ▼ Applicable for strict working environments including biogas, oil, gas fracking and biodiesel, etc

## PRODUCT SPECIFICATION

**Type of process connection**  
ANSI/ ASME B16.5, JIS, DIN2527

**Nominal diameter**  
1/2", 3/4", 1", 1 1/4"

**Instrument connection**  
1/4, 3/8, 1/2  
PT, G, NPT, M

**Scale ranges**  
Pressure gauge:  
1/2", 3/4":  
0 ... 4 bar to 0 ... 40 bar  
1", 1 1/4":  
-1 ... 3 bar,  
0 ... 2.5 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 ... 2.5 bar to 0 ... 40 bar  
or all other equivalent vacuum or  
combined pressure and vacuum ranges

**Material**  
Upper body: 304 SS, 316 SS, 316L SS,  
Dual phase steel, Hastelloy C276,  
Tantalum, Titanium, Monel 400, Nickel 200  
Lower body: 304 SS, 316 SS, 316L SS,  
Dual phase steel, Hastelloy C276,  
Tantalum, Titanium, Monel 400, Nickel 200  
Diaphragm: 316L SS, PTFE, Hastelloy  
C276, Titanium, Tantalum, Monel 400,  
Nickel 200, Silicone, Viton, PTFE,  
316L+PTFE\*1, 316L+PTFE Coating\*2

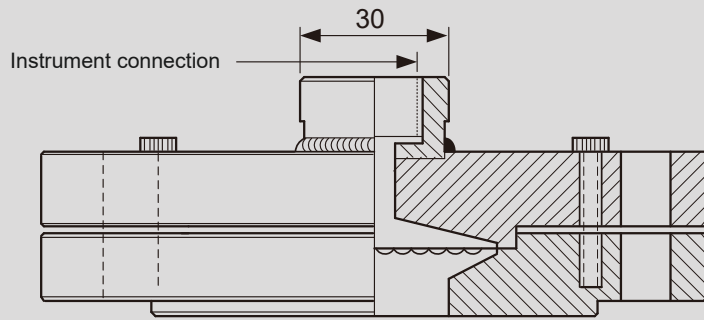
**Medium temperature**  
0°C ... 80°C,  
81°C ... 200°C,  
201°C ... 400°C

**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.

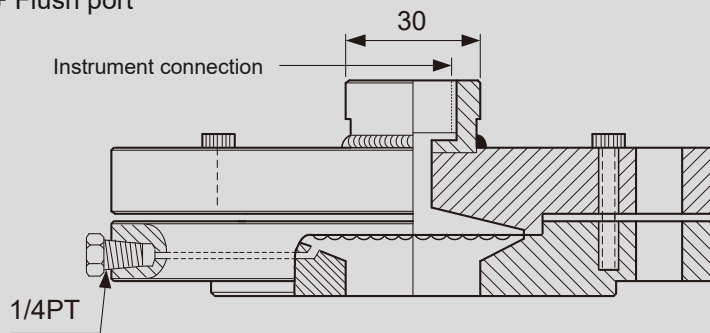
## DIMENSIONS

Dual diaphragm



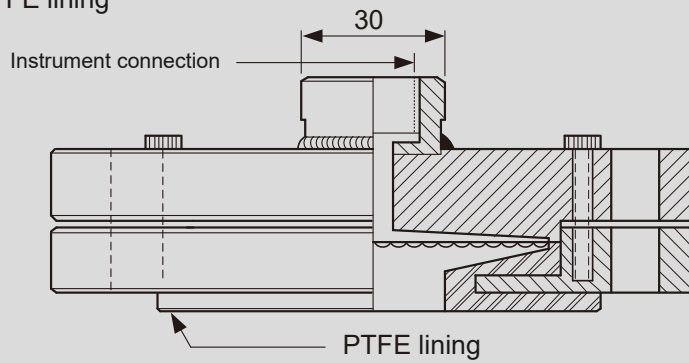
Unit: mm

Dual diaphragm + Flush port



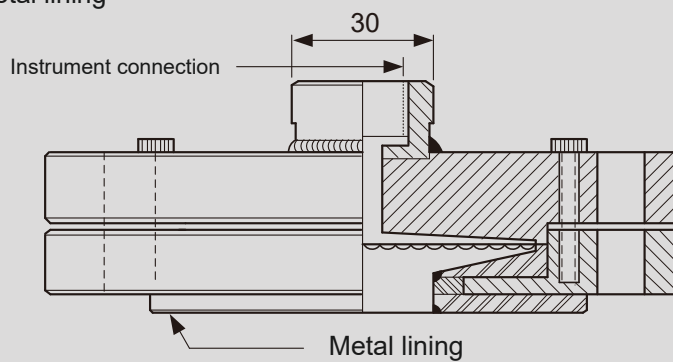
Unit: mm

Dual diaphragm + PTFE lining



Unit: mm

Dual diaphragm + Metal lining



Unit: mm



# rsIMMA

*Elementos For Manufacturing Purposes*



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