

The PS construction is designed for those applications where the process is very viscous and/or containing parts that might obstruct the process connection of the instrument. Typical applications can be found in pulp & paper industries and waste water treatment. The PS is a single part construction. PS is typically used in combination with pressure transmitters and gauges for pressure measurement.


**STANDARD EXECUTION**

DIAPHRAGM	BODY	MOUNTING CONNECTION
AISI 316(L)	AISI 316(L)	top (axial)

**THREADED PROCESS CONNECTIONS**
**NPT**

size		mwp	dD
1/2"	Male	600 bar	13mm
3/4"	Male	600 bar	20mm
1"	Male	600 bar	25mm
1,5"	Male	400 bar	32mm
2"	Male	280 bar	44mm

Note: mwp at 20 °C with AISI 316(L) body material

**BSP**

size		mwp	dD
1/2"	Male	600 bar	13mm
3/4"	Male	600 bar	20mm
1"	Male	600 bar	25mm
1,5"	Male	400 bar	32mm
2"	Male	280 bar	44mm

Note: mwp at 20 °C with AISI 316(L) body material

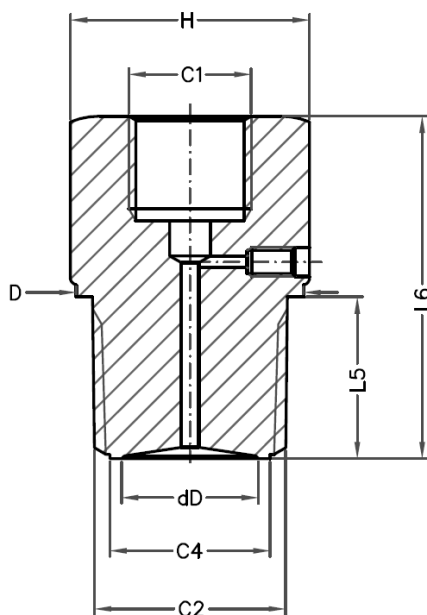
Note: gasket surface according ISO 1179-3

**WETTED PARTS, BODY MATERIALS, AND THREADS**

diaphragm mat.	body material
AISI 316(L)	AISI 316(L)
Hastelloy C-276	
Hastelloy C-276	Hastelloy C-276
Duplex 2205	Super Duplex / Duplex
Monel 400	Monel 400

threads	norms
NPT	ANSI B1.20.1
BSP	ISO 228
BSPT	ISO 7
UNF	ANSI 131.1
METRIC	ISO 965

DRAWING AND DIMENSIONS STANDARD EXECUTIONS



C2	C1	dD	C4	H	D <sup>1</sup>	L5	L6
1/2" Male	1/2" BSP-f	13	17	SW 27	30	27	47
3/4" Male	1/2" BSP-f	20	23	SW 32	32	28	52
1" Male	1/2" BSP-f	24	28	SW 46	45	28	58
1.5" Male	1/2" BSP-f	35	42	SW 46	55	34	64
2" Male	1/2" BSP-f	44	47	SW 54	62	37	65

<sup>1</sup> For BSP thread; dimensions according ISO 1179  
All dimensions in mm



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