

Special Features :

- Ideal for pressure transmitter
- Laser welded diaphragm
- One piece AISI 316 SS construction
- Flush diaphragm

Applications :

- Diaphragm seals are provided in the instruments like pressure gauges, switches, transmitters in order to isolate the sensing element from the main service due to its corrosive, viscous and sedimented nature and to avoid clogging and solidification



Specifications

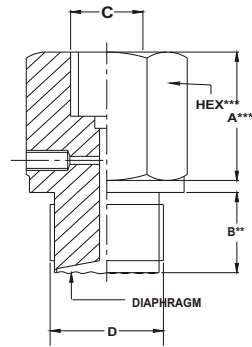
STANDARD VERSION

Range	: Refer range table with nominal sizes
Process temperature	: -40°C to 200°C or as per fill fluid
Instruments connection	: 1/4" BSP (F)
Process connection	: 3/4" BSP (M)
Mounting	: Direct (without capillary)
Diaphragm	: AISI 316L SS
Unit nut	: AISI 316 SS
Filling fluid	: Silicon Oil - DC 200

PROCESS CONCTION & RANG SELECTION TABLE

Thread Size	1/2" BSP (M)	3/4" BSP (M)	1" BSP (M)	1 1/2" BSP (M)	2" BSP (M)
Code	4BM	5 BF	6BF	7BF	8BF
Thread Size	1/2" NPT (M)	3/4" NPT (M)	1" NPT (M)	1 1/2" NPT (M)	2" NPT (M)
Code	4NM	5 NM	6NM	7NM	8NM
Ranges (bar)	x	x	x	x	✓
4	x	x	x	✓	✓
6	x	x	x	✓	✓
10	x	x	x	✓	✓
16	x	x	✓	✓	✓
25	x	✓	✓	✓	✓
40	✓	✓	✓	✓	✓
60	✓	✓	✓	✓	✓
100	✓	✓	✓	✓	✓
160	✓	✓	✓	✓	✓
200	✓	✓	✓	✓	✓
250	✓	✓	✓	✓	✓
400	✓	✓	✓	✓	✓
600	✓	✓	✓	✓	✓

DIMENSIONS



A***	B**	C	D*	HEX***
18	20	1/4" BSP(F)	3/4" BSP(M)	32

- Drawings are not to scale.
- All Dimensions are in mm.

SELECTION OF MODEL

(1) MODEL CODE

(2) Body

AISI 316 SS	S6
AISI 316L SS	S6L

(3) DIAPHRAGM

AISI 316L SS	S6L
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(4) INSTRUMENT CONNECTION

1/4" BSP (F)	2BM
1/2" BSP (F)	4BM
3/8" BSP (F)	3BF

1/2" NPT (F)	4NM
1/4" NPT (F)	2NM

(5) PROCESS CONNECTION STANDARD & SIZE

1/2" BSP (M)	4BM
3/4" BSP (M)	5BM
1" BSP (M)	6BM
1 1/2" BSP (M)	7BM
2" BSP (M)	8BM

1/2" NPT (M)	4NM
3/4" NPT (M)	5NM
1" NPT (M)	6NM
1 1/2" NPT (M)	7NM
2" NPT (M)	8NM

(6) FILLING FLUID (* CONSULT FACTORY FOR SPECIFICATION PRICE AND DELIVERY)

Fluorolube 4.2 (-45 to 175°C)	01
Fluorolube 6.3 (-40 to 235°C)	02
Fluorolube FS-5 (-28 to 148°C)	03
Food Grade Oil (-20 to 140°C)	04
Silicon DC 200 (-40 to 2050°C)	05

Silicon DC 704 (10 to 337°C)	06
Silicon DC 710 (7 to 371°C)	07
Syltherm 800 (-40 to 315°C)	08
Syltherm XLT (-100 to 260°C)	09
Halocarbon Oil	10

(7) OPTIONS

HELIUM LEAK TEST	HT
DRY SEAL ONLY WITHOUT INSTRUMENT	SD
MATERIAL TEST CERTIFICATES	MC

Example	1	2	3	4	5	6	7
SELECTION OF MODEL	CSF	S6	S6L	2BM	5BM	05	XX

CSF

S6

S6L

2BM

5BM

05

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