

30 to 1,300 psi (207 to 8,970 kPa)



Description & Features:

- One-piece design - no internal gaskets or o-rings
- Diaphragm is flush to the gasket sealing surface so no internal cavities for media buildup
- Various sizes available
- ASME B40.100 compliant
- 5 year warranty

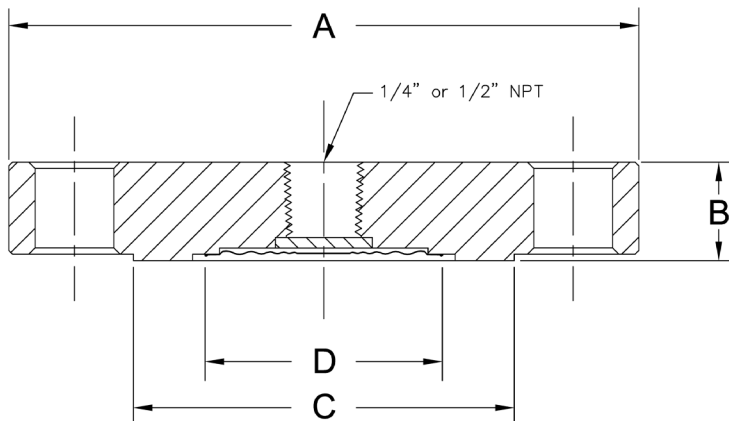
Applications:

- Oil refineries, pulp and paper mills, chemical plants
- Where media buildup is a concern

Specifications	
Housing	316 SS
Diaphragm	316L SS bonded to housing
Construction	One piece construction
Connection	1/4", 1/2" NPTF gauge connections standard 1.5" (40mm), 2" (50mm) and 3" (75mm) pipe size
Maximum Temperature Limit	450°F (232°C)

Order Codes

Type	Instrument Connection	Code
2" - 150#RF	1/4" NPTF	D462548
	1/2" NPTF	D462549
2" - 300#RF	1/4" NPTF	D462550
	1/2" NPTF	D462551
2" - 600#RF	1/4" NPTF	D462552
	1/2" NPTF	D462553
3" - 150#RF	1/4" NPTF	D462554
	1/2" NPTF	D462555
3" - 300#RF	1/4" NPTF	D462556
	1/2" NPTF	D462557
3" - 600#RF	1/4" NPTF	D462558
	1/2" NPTF	D462559



Pipe Size	Rating	A	B	C	D
2"	150#	6"	0.88"	3.6"	2.2"
	300#	6.5"	0.88"		
	600#		1.25"		
3"	150#	7.5"	0.94"	5"	2.2" or 3"
	300#	8.2"	1.12"		
	600#		1.5"		

Other sizes available upon request

Engineering Codes

D46 SERIES, WELDED FLUSH

INSTRUMENT CONNECTION

1/4" NPT FEMALE
3/8" NPT FEMALE
1/2" NPT FEMALE
3/4" NPT FEMALE
1" NPT FEMALE
G 1/4" FEMALE
G 1/2" FEMALE
G 3/4" FEMALE
G 1" FEMALE

F 4
F 3
F 2
F 5
F 1
C 4
C 2
C 5
C 1

PROCESS CONNECTION, ASME B16.5-2017

1"
1.5"
2"
2.5"
3"
4"
5"
6"

1 0
1 5
2 0
2 1
3 0
4 0
5 0
6 0

PROCESS CONNECTION, DIN EN 1092-1

DN 15
DN 20
DN 25
DN 40
DN 50
DN 65
DN 80
DN100
DN 125

D 1 5
D 2 0
D 2 5
D 4 0
D 5 0
D 6 0
D 8 0
D 1 0
D 1 2

PROCESS CONNECTION, API 6A

1 1/8"
1 1/6"
1 13/16"
2 1/16"

1 8
1 6
3 6
2 6

FLANGE RATING

150# ASME
300# ASME
600# ASME
900# ASME
1500# ASME
2500# ASME
PN 10 BAR
PN 16 BAR
PN 25 BAR
PN 40 BAR
PN 63 BAR
PN 100 BAR
PN 160 BAR
PN 200 BAR
2,000 PSI
3,000 PSI
5,000 PSI
10,000 PSI
15,000 PSI
20,000 PSI

A 1 5
A 3 0
A 6 0
A 9 0
A 1 5 0
A 2 5 0
B 1 0
B 1 6
B 2 5
B 4 0
B 6 3
B 1 0 0
B 1 6 0
B 2 0 0
C 0 2
C 0 3
C 0 5
C 1 0
C 1 5
C 2 0

FLANGE TYPE

RF, RAISED FACE
RTJ, RING JOINT
FF, FLAT FACE

R F
R J
F F

UPPER HOUSING MATERIAL

CARBON STEEL
304SS
316SS
316L
316/316L SS DUAL CERTIFIED
DUPLEX
SUPER DUPLEX
MONEL 400
HASATELLOY C-276
TATANIUM GRADE 2 (3.7035)
TATANIUM GRADE 7 (3.7235)
TANTALUM
INCONEL 825
INCONEL 625
INCONEL 600

C S
S
S S
S L
D C
D
S D
M
H C
T 2
T 7
T A
I 8
I 7
I 6

Engineering Codes (Continued)

DIAPHRAGM MATERIAL	NICKEL	N I		
	304SS	S		
	316SS	S S		
	316L	S L		
	316/316L SS DUAL CERTIFIED	D C		
	DUPLEX	D		
	SUPER DUPLEX	S D		
	MONEL 400	M		
	HASATELLOY C-276	H C		
	TATANIUM GRADE 2 (3.7035)	T 2		
	TATANIUM GRADE 7 (3.7235)	T 7		
	TANTALUM	T A		
	INCONEL 825	I 8		
	INCONEL 625	I 7		
	INCONEL 600	I 6		
LINING	NONE	0		
	VITON, FKM	V		
	KALREZ, FFKM	K		
	TEFLON, PTFE LINED	T		
	GOLD PLATED	GP		
	ECTFE, ETHYLENE	EC		
	PFA, PERFLUOROALKOXY - FDA	PF		
	PFA, PERFLUOROALKOXY - ANTISTATIC	PA		
	GLYCERIN FILL (FOOD GRADE)	GF		
	GLYCERIN WATER FILL	GW		
OPTIONS, LIST IN ALPHA-NUMERIC ORDER	ETHYLENE Glycol	EG		
	SILICONE FILL	SF		
	SILICONE FILL, LOW TEMPERATURE	ST		
	FLUOROLUBE FILLED	FO		
	HALOCARBON FILLED	HF		
	CRN REGISTERED	C		
	ROSH COMPLIANT	R		
	NACE COMPLIANT	N		
	SPECIAL	Z # # #		