

30 to 2,500 psi (200 to 17,250 kPa)

**Description & Features:**

- “Continuous use” seals - backing plate will prevent diaphragm from rupturing if pressure sensing instrument fails. Pressure will be held until instrument is replaced
- Various sizes and housing materials available
- ASME B40.100 compliant
- 5 year warranty
- CRN registered for 316SS and Hastelloy® C-276 materials

Applications:

- Used in industrial applications such as oil refineries, pulp and paper mills and chemical plants

Specifications

Housing	316 SS, Monel®, Hastelloy® B & C, titanium, tantalum, PVC, carbon steel, PTFE, acetal, other (nickel plated carbon steel or SS upper housing standard)
Construction	Two piece construction
Connection	1/4", 1/2" NPTF gauge connections standard (other NPTF gauge connections available) 1" (25mm), 1.5" (40mm) and 2" (50mm) pipe size and #150 and #300 pressure rating standard (other configurations available)
Maximum Temperature Limit	450°F (232°C) PTFE lined: 400°F (204°C) (higher temperature limits available)
Other	Cleanout type for easy cleaning and calibrating. Saddle diaphragm seals available upon request. Flushing connections available

Order Codes

Type*	Instrument Connection	Diaphragm Material	Lower Housing Wetted Parts	Upper Housing Non-Wetted Parts	
				Carbon Steel	Stainless Steel
1" - 150#RF				Code	
Welded Diaphragm	1/4" NPTF	316 SS	316 SS	D441150SS25CS	D441150SS25SS
		Tantalum	316 SS - PTFE lined	D441150UL25CS	D441150UL25SS
		Hastelloy® C	Monel®	D441150HM25CS	D441150HM25SS
		Hastelloy® C	Hastelloy® C	D441150HH25CS	D441150HH25SS
	1/2" NPTF	316 SS	316 SS	D441150SS5CS	D441150SS5SS
		Tantalum	316 SS - PTFE lined	D441150UL5CS	D441150UL5SS
		Hastelloy® C	Monel®	D441150HM5CS	D441150HM5SS
		Hastelloy® C	Hastelloy® C	D441150HH5CS	D441150HH5SS
1" - 300#RF				Code	
Welded Diaphragm	1/4" NPTF	316 SS	316 SS	D441300SS25CS	D441300SS25SS
		Tantalum	316 SS - PTFE lined	D441300UL25CS	D441300UL25SS
		Hastelloy® C	Monel®	D441300HM25CS	D441300HM25SS
		Hastelloy® C	Hastelloy® C	D441300HH25CS	D441300HH25SS
	1/2" NPTF	316 SS	316 SS	D441300SS5CS	D441300SS5SS
		Tantalum	316 SS - PTFE lined	D441300UL5CS	D441300UL5SS
		Hastelloy® C	Monel®	D441300HM5CS	D441300HM5SS
		Hastelloy® C	Hastelloy® C	D441300HH5CS	D441300HH5SS

*Replaceable and PTFE diaphragms available

Other materials, pipe size and pressure ratings available upon request

Hastelloy® is a registered trademark of Haynes International, Inc.

Monel® is a registered trademark of Inco Alloys International

Order Codes

Type*	Instrument Connection	Diaphragm Material	Lower Housing Wetted Parts	Upper Housing Non-Wetted Parts	
				Carbon Steel	Stainless Steel
1.5" - 150#RF				Code	
Welded Diaphragm	1/4" NPTF	316 SS	316 SS	D4415150SS25CS	D4415150SS25SS
		Tantalum	316 SS - PTFE lined	D4415150UL25CS	D4415150UL25SS
		Hastelloy® C	Monel®	D4415150HM25CS	D4415150HM25SS
		Hastelloy® C	Hastelloy® C	D4415150HH25CS	D4415150HH25SS
	1/2" NPTF	316 SS	316 SS	D4415150SS5CS	D4415150SS5SS
		Tantalum	316 SS - PTFE lined	D4415150UL5CS	D4415150UL5SS
		Hastelloy® C	Monel®	D4415150HM5CS	D4415150HM5SS
		Hastelloy® C	Hastelloy® C	D4415150HH5CS	D4415150HH5SS
1.5" - 300#RF				Code	
Welded Diaphragm	1/4" NPTF	316 SS	316 SS	D4415300SS25CS	D4415300SS25SS
		Tantalum	316 SS - PTFE lined	D4415300UL25CS	D4415300UL25SS
		Hastelloy® C	Monel®	D4415300HM25CS	D4415300HM25SS
		Hastelloy® C	Hastelloy® C	D4415300HH25CS	D4415300HH25SS
	1/2" NPTF	316 SS	316 SS	D4415300SS5CS	D4415300SS5SS
		Tantalum	316 SS - PTFE lined	D4415300UL5CS	D4415300UL5SS
		Hastelloy® C	Monel®	D4415300HM5CS	D4415300HM5SS
		Hastelloy® C	Hastelloy® C	D4415300HH5CS	D4415300HH5SS
2" - 150#RF				Code	
Welded Diaphragm	1/4" NPTF	316 SS	316 SS	D442150SS25CS	D442150SS25SS
		Tantalum	316 SS - PTFE lined	D442150UL25CS	D442150UL25SS
		Hastelloy® C	Monel®	D442150HM25CS	D442150HM25SS
		Hastelloy® C	Hastelloy® C	D442150HH25CS	D442150HH25SS
	1/2" NPTF	316 SS	316 SS	D442150SS5CS	D442150SS5SS
		Tantalum	316 SS - PTFE lined	D442150UL5CS	D442150UL5SS
		Hastelloy® C	Monel®	D442150HM5CS	D442150HM5SS
		Hastelloy® C	Hastelloy® C	D442150HH5CS	D442150HH5SS
2" - 300#RF				Code	
Welded Diaphragm	1/4" NPTF	316 SS	316 SS	D442300SS25CS	D442300SS25SS
		Tantalum	316 SS - PTFE lined	D442300UL25CS	D442300UL25SS
		Hastelloy® C	Monel®	D442300HM25CS	D442300HM25SS
		Hastelloy® C	Hastelloy® C	D442300HH25CS	D442300HH25SS
	1/2" NPTF	316 SS	316 SS	D442300SS5CS	D442300SS5SS
		Tantalum	316 SS - PTFE lined	D442300UL5CS	D442300UL5SS
		Hastelloy® C	Monel®	D442300HM5CS	D442300HM5SS
		Hastelloy® C	Hastelloy® C	D442300HH5CS	D442300HH5SS

*Replaceable and PTFE diaphragms available

Other fill fluids (seal only), materials, pipe size and pressure ratings available upon request.

For technical drawings, refer to D44 PTFE.

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Engineering Codes

D44 SERIES, WELDED

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

1/2"
3/4"
1"
1.5"
2"
3"

0 5
0 7
1 0
1 5
2 0
3 0
D 1 5
D 2 0
D 2 5
D 3 0
D 4 0
D 5 0

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

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

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
HASTELLOY C-276
TATANIUM GRADE 2 (3.7035)
TATANIUM GRADE 7 (3.7235)
TATANLUM
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

LOWER 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
Carpenter 20

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

Engineering Codes (Continued)

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