



### 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
- 1 year warranty

### Applications:

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

### Specifications

<b>Housing</b>	316 SS, Monel®, Hastelloy® B & C, Titanium, Tantalum, PVC, Carbon steel, Teflon®, Alloy 20, other (nickel plated carbon steel or SS upper housing standard)
<b>Construction</b>	Two piece construction
<b>Connection</b>	1/4", 1/2" NPT female gauge connections standard (Other NPTF gauges connections available) 1" (25mm), 1.5" (40mm) and 2" (50mm) pipe size and #150 and #300 pressure rating standard (Other configurations available)
<b>Maximum Temperature Limit</b>	450°F (232°C) Teflon® Lined: 400°F (204°C) (Higher temperature limits available)
<b>Other</b>	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	Carbon Steel	Stainless Steel
				Upper Housing Non-Wetted Parts	Upper Housing Non-Wetted Parts
<b>1" - 150#RF</b>					
Welded Diaphragm	1/2"NPT	316 SS	316 SS	1150SS5CS	D441150SS5SS
Welded Diaphragm	1/2"NPT	Tantalum	Teflon® Lined - 316 SS	1150UL5CS	D441150UL5SS
Welded Diaphragm	1/2"NPT	Hastelloy® C	Monel®	1150HM5CS	D441150HM5SS
Welded Diaphragm	1/2"NPT	Hastelloy® C	Hastelloy® C	1150HH5CS	D441150HH5SS
Welded Diaphragm	1/4" NPT	316 SS	316 316 SS	1150SS25CS	D441150SS25SS
Welded Diaphragm	1/4" NPT	Tantalum	Teflon® Lined - 316 SS	1150UL25CS	D441150UL25SS
Welded Diaphragm	1/4" NPT	Hastelloy® C	Monel®	1150HM25CS	D441150HM25SS
Welded Diaphragm	1/4" NPT	Hastelloy® C	Hastelloy® C	1150HH25CS	D441150HH25SS
<b>1" - 300#RF</b>					
Welded Diaphragm	1/2"NPT	316 SS	316 SS	1300SS5CS	D441300SS5SS
Welded Diaphragm	1/2"NPT	Tantalum	Teflon® Lined - 316 SS	1300UL5CS	D441300UL5SS
Welded Diaphragm	1/2"NPT	Hastelloy® C	Monel®	1300HM5CS	D441300HM5SS
Welded Diaphragm	1/2"NPT	Hastelloy® C	Hastelloy® C	1300HH5CS	D441300HH5SS
Welded Diaphragm	1/4" NPT	316 SS	316 SS	1300SS25CS	D441300SS25SS
Welded Diaphragm	1/4" NPT	Tantalum	Teflon® Lined - 316 SS	1300UL25CS	D441300UL25SS
Welded Diaphragm	1/4" NPT	Hastelloy® C	Monel®	1300HM25CS	D441300HM25SS
Welded Diaphragm	1/4" NPT	Hastelloy® C	Hastelloy® C	1300HH25CS	D441300HH25SS

\*Replaceable and Teflon® diaphragms available

Other fill fluids (seal only), 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

Teflon® is a registered trademark of Dupont Corporation

# D44 #80 Flanged Diaphragm Seal (Welded)

## Order Codes

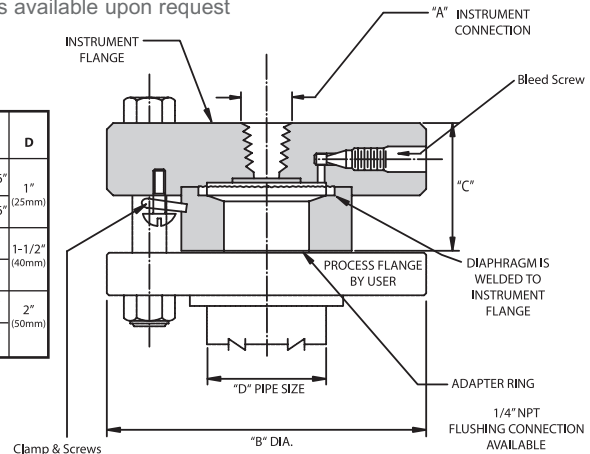
Type*	Instrument Connection	Diaphragm Material	Lower Housing Wetted Parts	Carbon Steel	Stainless Steel
				Upper Housing Non-Wetted Parts	Upper Housing Non-Wetted Parts
<b>1.5" - 150#RF</b>					
Welded Diaphragm	1/2"NPT	316 SS	316 SS	D4415150SS5CS	D4415150SS5SS
Welded Diaphragm	1/2"NPT	Tantalum	Teflon®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

\* Replaceable and Teflon® diaphragms available  
Other fill fluids (seal only), materials, pipe size and pressure ratings available upon request

### Diaphragm Seal (316 SS Welded Diaphragm)

A NPT	PRESSURE RATING	B	C	D
1/4	150 LB.	4-1/4" (108mm)	1-11/16"	1"
1/2	300 LB.	4-3/4" (108mm)	1-11/16"	(25mm)
1/4	150 LB.	5"	1-5/8"	1-1/2"
1/2	300 LB.	(125mm)	1-5/8"	(40mm)
1/4	150 LB.	6"	1-5/8"	2"
1/2	300 LB.	(150mm)	1-5/8"	(50mm)
1/4	150 LB.	6-1/2"	1-5/8"	
1/2	300 LB.	(162mm)	1-5/8"	

Hastelloy® is a registered trademark of Haynes International, Inc.  
Monel® is a registered trademark of Inco Alloys International  
Teflon® is a registered trademark of Dupont Corporation



## Series Number (for custom, non-standard product)



### SERIES

#### GAUGE CONNECTION

1/4" NPT female	4	N
3/8" BSP female	3	B
1/2" BSPT female	2	T
M20 X 1.5 female	M	2

#### PROCESS CONNECTION

1/2"	150#	RF	2	5	R
3/4"	300#	FF	3	3	F
1"	600#	RTJ	1	6	J
1.5"	900#		5	9	
2"	1500#		8	1	
3"	2500#		7	2	
4"			4		
DN15	PN6		A	E	0
DN20	PN10		B	F	
DN25	PN16		C	G	
DN40	PN25		D	H	
DN50	PN40		E	J	
DN80	PN64		F	K	
Special			Z	Z	Z

#### DIAPHRAGM MATERIALS

304SS	Y
316SS	S
316L SS	L
Monel	M
Hastelloy C	H
Teflon Coated	P
Tantalum	A
Titanium	T
Others	Z

#### LOWER HOUSING MATERIALS

316SS	S
Monel	M
Hastelloy C	H
Teflon Lined	N
Others	Z

#### OPTIONS

1m SS Remote Capillary	1
1.6m SS Remote Capillary	6
2m SS Remote Capillary	2
3m SS Remote Capillary	3
4m SS Remote Capillary	4
5m SS Remote Capillary	5
8m SS Remote Capillary	8
Others	X
No Armour	0
SS Armour	S
Glycerine/water-filled (-10/120C)	A
Silicone-filled (-20/200C)	B
Silicone-filled (-90/100C)	C
Halocarbon (-40/175C)	D
Fluorolube-filled	E
High Temperature Oil (-20/400C)	F

Teflon® is a registered trademark of Dupont Corporation