

30 to 2,500 psi (207 to 17,250 kPa)

Description & Features:

- Two piece construction and designed to withstand even the most severe process applications
- "Continuous use" seals - backing plate will prevent diaphragm from rupturing if pressure sensing instrument fails. Pressure will be held until instrument is replaced
- Diaphragm is separable for servicing and is available with a 1/8" NPT or 1/4" NPT flushing connection for removing any material which may clog the process connection
- Standard diaphragm is constructed of AISI 316L stainless steel and welded to the upper chamber of the seal for pressures 30 psi (200 kPa) and above; optional FKM diaphragm available for ranges from 30" Hg Vacuum (-100 kPa) up to 100 psi (690 kPa). Other diaphragms available
- FKM diaphragm is highly recommended for applications less than 10 psi
- ASME B40.100 compliant
- CRN registered (all 316 SS only)
- 5 year warranty

Applications:

- Where the process fluid is corrosive or viscous and would clog instrument internals/solidify within the pressure gauge, switch or transmitter



Specifications

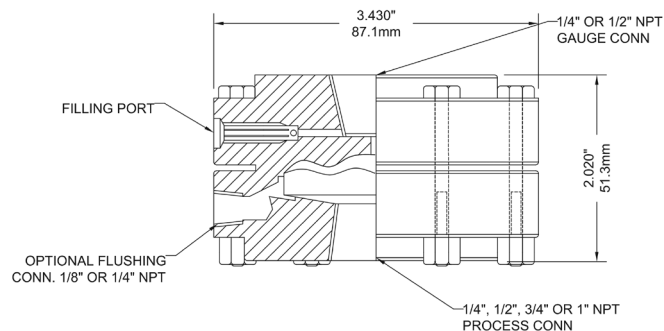
Housing	316L SS, Monel®, Hastelloy® C
Diaphragm	316L SS, Monel®, Hastelloy® C, FKM
Construction	Two piece construction
Gasket Material	Buna N (FKM, PTFE optional)
Connection	Bottom: 1/4", 1/2", 3/4" and 1" NPTF Top: 1/4" and 1/2" NPTF
Process Temperature	-22°F to 212°F (-30°C to 100°C)
Other	Flushing connection available. Other materials such as PTFE, PVC, carbon steel, Alloy 20, Hastelloy® B, titanium, tantalum, Inconel 825, Inconel 625, Inconel 600, Duplex SS, Super Duplex SS, 316/316L Dual Certified, Monel 400 etc are available upon request

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Order Codes (products in bold are normally stock in North America)

Lower Housing (Bottom)	
316L SS, 1/4" NPTF	D70954
316L SS, 1/2" NPTF	D70956
316L SS, 1/2" NPTF with flushing	D70957
316L SS, 3/4" NPTF	D70963
316L SS, 3/4" NPTF with flushing	D70959
316L SS, 1" NPTF	D70964
316L SS, 1" NPTF with flushing	D70965
316L SS, 1/4" NPTF FKM	D70954V
316L SS, 1/2" NPTF FKM	D70956V
316L SS, 1/2" NPTF with flushing, FKM	D70957V
316L SS, 3/4" NPTF with flushing, FKM	D70959V
316L SS, 3/4" NPTF FKM	D70963V
316L SS, 1" NPTF FKM	D70964V
316L SS, 1" NPTF with flushing, FKM	D70965V
Monel®, 1/4" NPTF	D70954M
Monel®, 1/2" NPTF	D70956M
Monel®, 1/2" NPTF with flushing	D70957M
Monel®, 3/4" NPTF with flushing	D70959M
Monel®, 3/4" NPTF	D70963M
Monel®, 1" NPTF	D70964M
Monel®, 1" NPTF with flushing	D70965M
Hastelloy® C, 1/4" NPTF	D70954HASC
Hastelloy® C, 1/2" NPTF	D70956HASC
Hastelloy® C, 1/2" NPTF with flushing	D70957HASC
Hastelloy® C, 3/4" NPTF with flushing	D70959HASC
Hastelloy® C, 3/4" NPTF	D70963HASC
Hastelloy® C, 1" NPTF	D70964HASC
Hastelloy® C, 1" NPTF with flushing	D70965HASC

Upper Housing (Top)	
316L SS, 1/4" NPTF 316L SS diaphragm	D70950
316L SS, 1/4" NPTF Monel® diaphragm	D70950M
316L SS, 1/4" NPTF Hastelloy® C diaphragm	D70950HASC
316L SS, 1/4" NPTF FKM diaphragm	D70951
316L SS, 1/2" NPTF 316L SS diaphragm	D70952
316L SS, 1/2" NPTF Monel® diaphragm	D70952M
316L SS, 1/2" NPTF Hastelloy® C diaphragm	D70952HASC
316L SS, 1/2" NPTF FKM diaphragm	D70953



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Engineering Codes

D70 SERIES, 2-pc

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

1/4" NPT FEMALE
3/8" NPT FEMALE
1/2" NPT FEMALE
3/4" NPT FEMALE
1" NPT FEMALE
1/4" NPT MALE
3/8" NPT MALE
1/2" NPT MALE
3/4" NPT MALE
1" NPT MALE
G 1/4" FEMALE
G 1/2" FEMALE
G 3/4" FEMALE
G 1" FEMALE
G 1/4" MALE
G 1/2" MALE
G 3/4" MALE
G 1" MALE
M14*1.5
M20*1.5

F 4
F 3
F 2
F 5
F 1
N 4
N 3
N 2
N 5
N 1
C 4
C 2
C 5
C 1
G 4
G 2
G 5
G 1
M 4
M 2

UPPER HOUSING MATERIAL

CARBON STEEL
304SS
316SS
316L
316L, FULLY PTFE LINED
316/316L SS DUAL CERTIFIED
DUPLEX
SUPER DUPLEX
MONEL 400
HASTELLOY C-276
TATANIUM
TANTALUM
INCONEL 825
INCONEL 625
INCONEL 600

CS
S
SS
SL
SP
DC
D
SD
M
HC
T I
TA
I 8
I 7
I 6

LOWER HOUSING MATERIAL

CARBON STEEL
NICKEL
304SS
316SS
316L
316L, FULLY PTFE LINED
316/316L SS DUAL CERTIFIED
DUPLEX
SUPER DUPLEX
MONEL 400
HASTELLOY C-276
TATANIUM
TANTALUM
INCONEL 825
INCONEL 625
INCONEL 600

C S
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S P
D C
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S D
M
H C
T I
T A
I 8
I 7
I 6

D 7 0 - - - - - - - - - -

Engineering Codes (Continued)

D70 SERIES, 2-pc		D 7 0 - - - - - - - - - -									
DIAPHRAGM MATERIAL	NICKEL										
	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)										
	TANTALUM										
	INCONEL 825										
	INCONEL 625										
	INCONEL 600										
	NONE										
LINING	VITON, FKM										
	KALREZ, FFKM										
	TEFLON, PTFE LINED										
	GOLD PLATED										
	ECTFE, ETHYLENE										
	PFA, PERFLUOROALKOXY - FDA										
	PFA, PERFLUOROALKOXY - ANTISTATIC										
GASKET MATERIAL	BUNA-N, NBR										
	TEFLON, PTFE										
	VITON, FKM										
	GRAFOIL										
OPTIONS, LIST IN ALPHA-NUMERIC ORDER	GLYCERIN FILL (FOOD GRADE)										
	GLYCERIN WATER FILL										
	ETHYLENE GLYCOL										
	SILICONE FILL										
	SILICONE FILL, LOW TEMPERATURE										
	FLUOROLUBE FILLED										
	HALOCARBON FILLED										
	SYLTHERM 800										
	FLUSHING CONNECTION, 1/4" NPT FEMALE										
	FLUSHING CONNECTION, 1/4" NPT FEMALE with SS PLUG										
	CRN REGISTERED										
	ROSH COMPLIANT										
	NACE COMPLIANT										
	SPECIAL										