

Diaphragm Seals



MODEL 12000 MINI SERVICEABLE RUBBER DIAPHRAGM SEAL

The Model 12000 Serviceable Mini Diaphragm Seal is designed for gauges and instruments with operating pressures of 2500 psi with stainless and 500 psi with PVC models. Ideally suited for small applications and corrosive installations. The optional 'Easy Clean Out' feature allows the removal of the process side housing without losing the instrument side fill fluid. Fill / bleed screw port in the instrument side housing, and stainless steel build screws are standard.

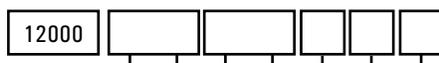
FILLED & CALIBRATED TO GAUGES ONLY.

Diaphragm seals are isolation devices which separate pressure gauges and other instruments from the process media while allowing the instrument to measure the process pressure. The service life of the instrument is greatly extended, because it is protected from corrosion, clogging, freezing, or pulsation.

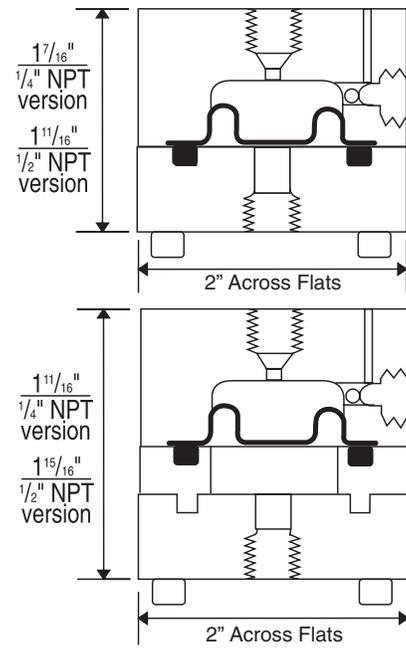
LIQUID FILLINGS

The selection of the fill depends on the temperature expected in any given application. Temperature ratings for available fillings are listed below.

Glycerine	0 to 400°F
Silicone	-40 to 600°F
Syltherm	-40 to 750°F



UPPER 316SS	
1/4"	22
1/2"	24
PVC	
1/4"	52
1/2"	54
LOWER 316SS	
1/4"	22
1/2"	24
PVC	
1/4"	52
1/2"	54
DIAPHRAGM	
Nitrile	3
Fluorocarbon	4
Neoprene	5
EASY CLEAN OUT	
None	0
Clean Out	2
FILL	
No Fill	0
Glycerine	G
Silicone	S
Syltherm	Y



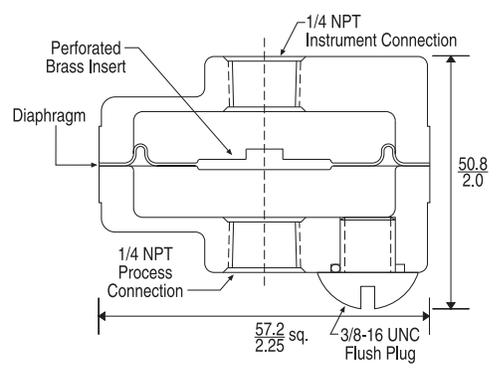
MODEL B8498 GAUGE PROTECTOR WITH RUBBER DIAPHRAGM SEAL

The Model B8498 Gauge Protector is designed for extremely high volume displacement. Ideally suited for gauges and instruments with operating pressures up to 200 psi and vacuum applications. Available in 1/4" threaded connections and chrome plated zinc construction. A 3/8" flush plug is standard in the process side housing.

FILLED & CALIBRATED TO GAUGES ONLY.



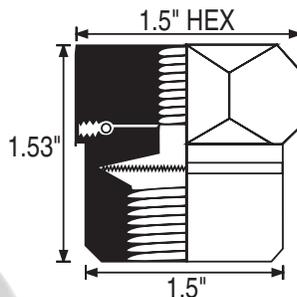
ASSEMBLY	
1/4"	22
DIAPHRAGM	
Nitrile	3
Fluorocarbon	4
Neoprene	5
FILL	
No Fill	0
Glycerine	G
Silicone	S
Syltherm	Y



Diaphragm Seals

13000

UPPER 316SS	
1/4"	22
LOWER 316SS	
1/4"	22
1/2"	24
Hastelloy	
1/4"	42
1/2"	44
DIAPHRAGM	
316SS	1
Hastelloy C	2
FILL	
No Fill	0
Glycerine	G
Silicone	S
Syltherm	Y

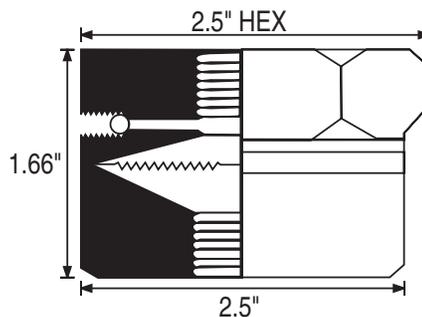


MODEL 13000 MINI / ALL WELDED DIAPHRAGM SEAL

The Model 13000 Mini Welded Seal is designed for 2" to 3 1/2" bourdon tube gauges with a minimum range of 0-100 psi. The maximum operating pressure is 2000 psi at 100° F. Available in all 316 SS or Hastelloy C process housing and diaphragm. FILLED & CALIBRATED TO GAUGES ONLY.

13040

UPPER 316SS	
1/4"	22
1/2"	24
LOWER 316SS	
1/4"	22
1/2"	24
3/4"	26
1"	28
Hastelloy	
1/4"	42
1/2"	44
3/4"	46
1"	48
DIAPHRAGM	
316SS	1
Hastelloy C	2
FLUSH CONNECTION	
None	0
1/4"	2
FILL	
No Fill	0
Glycerine	G
Silicone	S
Syltherm	Y



MODEL 13040 ALL WELDED DIAPHRAGM SEAL

The Model 13040 All Welded Seal is designed for 2" to 4 1/2" bourdon tube gauges with pressure ranges from vacuum to 1000 psi. Available in all 316SS or Hastelloy C process housing and diaphragm, with threaded connections. Optional flushing connections also available.

FILLED & CALIBRATED TO GAUGES ONLY.

ALL DIMENSIONS ARE NOMINAL

Diaphragm Seals



MODEL 14000 REMOVABLE DIAPHRAGM SEAL

The Model 14000 Diaphragm Seal is a clamped metal design featuring interlocking construction inside the bolt circle for perfect alignment. The upper and lower housings clamp the diaphragm in place and allow for field servicing. The 14000 is available in threaded connections for pressures from vacuum to 2500 psi. Fill/bleed port screw in the upper is standard and an optional flush connection is available.

FILLED & CALIBRATED TO GAUGES ONLY.

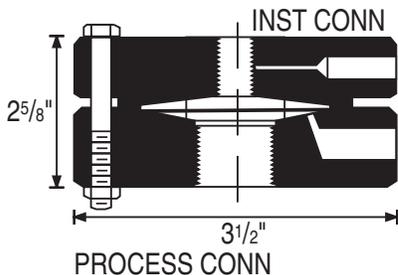
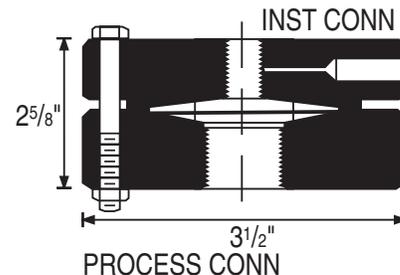


MODEL 14040 WELDED DIAPHRAGM SEAL

The Model 14040 Welded Diaphragm Seal is a welded diaphragm-to-upper design allowing the upper housing to be removed with the instrument in place without losing fill. The same interlocking feature as the 14000 is used to assure alignment of the upper to the lower. Available in threaded connections for pressures from vacuum to 2500 psi. Fill/bleed port screw in the upper is standard and an optional flush connection is available.

FILLED & CALIBRATED TO GAUGES ONLY

14000							
UPPER Steel							
1/4"	12						
1/2"	14						
316SS							
1/4"	22						
1/2"	24						
LOWER Steel							
1/4"	12						
1/2"	14						
3/4"	16						
1"	18						
316SS							
1/4"	22						
1/2"	24						
3/4"	26						
1"	28						
DIAPHRAGM							
316SS	1						
Hastelloy C	2						
Tantalum	3						
FLUSH CONNECTION							
None	0						
1/4"	2						
BOLTS & NUTS							
Steel	0						
Stainless	1						
FILL							
No Fill	0						
Glycerine	G						
Silicone	S						
Syltherm	Y						



ALL DIMENSIONS ARE NOMINAL

14040							
UPPER Steel							
1/4"	12						
1/2"	14						
316SS							
1/4"	22						
1/2"	24						
LOWER Steel							
1/4"	12						
1/2"	14						
3/4"	16						
1"	18						
316SS							
1/4"	22						
1/2"	24						
3/4"	26						
1"	28						
DIAPHRAGM							
316SS	1						
Hastelloy C	2						
Tantalum	3						
FLUSH CONNECTION							
None	0						
1/4"	2						
BOLTS & NUTS							
Steel	0						
Stainless	1						
FILL							
No Fill	0						
Glycerine	G						
Silicone	S						
Syltherm	Y						

