

- Compact size to fit space-restricted areas
- Designed to protect transducers, miniswitches and 3½” or smaller pressure gauges from corrosion, plugging or freeze-up
- All-welded metal construction prevents leakage of process media
- Rated for 2500 psi at 100°F
- Fill/bleed connection is standard


**SELECTION TABLES**
**Table A – Process Connection/Type Number**

Process Connection	Process Connection Size/Code—Inches													Type Number	Pressure Rating <sup>(1)</sup>
	Size Code	1/8	1/4	1/2	3/4	1	1 1/2	2	3	4	6	8			
Threaded—female NPT			•	•										310 All-welded mini-seal	2500 psi @ 100°F
Threaded—female NPT			•	•										315 All-welded mini-seal with flushing connection	2500 psi @ 100°F
Process Connection	Size Code	1/8	1/4	1/2	3/4	1							Type Number	Pressure Rating <sup>(1)</sup>	
Threaded—male NPT		•	•	•	•	•								310	2500 psi @ 100°F

**Table B  
Diaphragm Material**

Material	Code
316L stainless steel	S
Hastelloy C 276	H
Tantalum	U
Monel	P

**Table C  
Housing Materials**

Bottom Material <sup>(2)</sup>	Code	Top Material <sup>(3)</sup>
316L SS	S	316L SS
Hastelloy C 276	H	316L SS
Monel	M	Monel

**Table D  
Instrument Connection**

Size – NPT	Code
1/4	02T
1/8	01T

**Table E – Filling Fluid**

Filling	Service	Connection to Instrument	Temperature Range °F	Code
Glycerin	Pressure	Direct Only	0/400	CG
Silicone	Pressure/Vacuum	Direct or Flexible Line	-40/600	CK
Halocarbon	Pressure/Vacuum in presence of strong oxidizing agent	Direct or Flexible Line	-70/300	CF
Syltherm	Pressure/Vacuum	Direct or Flexible Line	-40/750	HA

**NOTES:**

- (1) For use with most 3½” and smaller gauges. Movementless gauge 4½” (exception).  
 (2) Other bottom housing materials on application.  
 (3) Top housing material is 316L SS (standard). Monel mini-seal standard with monel top housing.

**TO ORDER THIS TYPE 310 DIAPHRAGM SEAL:**

1. From **Table A**...select TYPE NUMBER and process connection size (e.g., 1/4” process—code 25-310)
  2. From **Table B**...select DIAPHRAGM MATERIAL. (e.g., 316L stainless steel—code S)
  3. From **Table C**...select BOTTOM HOUSING MATERIAL. (e.g., 316 stainless steel—code S)
  4. From **Table D**...select INSTRUMENT CONNECTION size. (e.g., 1/4 NPT—code 02T)
  5. From **Table E**...select FILLING FLUID, if diaphragm seal will be attached to instrument. (e.g., Glycerin—code CG)
- Coded order:** 25-310SS-02T-CG