

- 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	¼	½	¾	1	1½	2	3	4	6			8
Threaded—female NPT		•	•									310 All-welded mini-seal	250 psi @ 100°F
Threaded—female NPT		•	•									315 All-welded mini-seal with flushing connection	250 psi @ 100°F

**Table B  
Diaphragm Material**

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

**Table C  
Housing Materials**

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

**Table D  
Instrument Connection**

Size – NPT	Code
¼	02T

**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, 100 psi minimum range. If ranges below 100 psi are required, consult customer service, Stratford, CT.
- (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., ¼” 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., ¼ 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