

- All welded metal construction, prevents leakage of process media
- No gaskets or bolts
- For use on pressure gauges up to 3½" from vacuum to 1000 psi and 4½" gauges 100 psi to 1000 psi
- Top housing material 316L stainless steel standard
- Diaphragm materials in 316L stainless steel, hastelloy C and tantalum
- Bottom housing materials in 316L stainless steel and hastelloy C
- ¼ NPT or ½ NPT female, ¼-½ NPT male process connections
- ¼ NPT or ½ NPT instrument connections
- Type 312 furnished with ⅛ NPT flushing connection
- Not available in male process connections


SELECTION TABLES
**Table A –
Process Connection**

Process Connection	Size	Code
Threaded – male NPT	¼	02
Threaded – male NPT	½	04
Threaded – male NPT	¾	06
Threaded – male NPT	1	08
Threaded – female NPT	¼	25
Threaded – female NPT	½	50

**Table B –
Type**

Description	Code
All welded midi-seal	311
All welded midi-seal w/flushing connection	312

**Table C –
Diaphragm Materials**

Materials	Code
316L stainless steel	S
Tantalum	U
Hastelloy C-276	H

**Table D –
Bottom Housing Materials**

Materials	Code
316L stainless steel	S
Hastelloy C-276	H

**Table E –
Instrument Connection**

Instrument Connection	Size	Code
Threaded – female NPT	¼ NPT	02T
Threaded – female NPT	½ NPT	04T

Table F – Filling Fluid

Fill	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	Direct or Flexible Line	-40/750	HA

TO ORDER THIS TYPE 311/312 MIDI-SEAL ASSEMBLY:

1. From **Table A**...select PROCESS CONNECTION SIZE (e.g., 50 for ½" female NPT)
2. From **Table B**...select TYPE (e.g., 311 for all welded midi-seal)
3. From **Table C**...select DIAPHRAGM MATERIAL (e.g., U for Tantalum)
4. From **Table D**...select BOTTOM HOUSING MATERIAL (e.g., H for Hastelloy C)
5. From **Table E**...select INSTRUMENT CONNECTION SIZE (e.g., 02T for ¼" female NPT)
6. From **Table F**...select FILLING FLUID, if diaphragm seal will be attached to instrument (e.g., Glycerin – CG)

Coded order: 50-311-UH-02T-CG