

- All welded metal construction, prevents leakage of process media
- No gaskets or bolts
- For use on pressure gauges up to 3 1/2" from 60 to 1000 psi and 4 1/2" 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
- 1/4 NPT or 1/2 NPT instrument connections
- Type 312 furnished with 1/8 NPT flushing connection
- Type 312 not available in male process connections


**SELECTION TABLES**
**Table A –  
Process Connection**

Process Connection	Size	Code
Threaded – male NPT*	1/4	02
Threaded – male NPT*	1/2	04
Threaded – male NPT*	3/4	06
Threaded – male NPT*	1	08
Threaded – female NPT	1/4	25
Threaded – female NPT	1/2	50

\*Not available on Type 312.

**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	1/4 NPT	02T
Threaded – female NPT	1/2 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 1/2" 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 1/4" 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

**Consult factory for guidance in product selection**  
**Phone (203) 385-0217, Fax (203) 385-0602 or**  
**visit our web site at [www.ashcroft.com](http://www.ashcroft.com)**