

- All welded metal construction, prevents leakage of process media
- No gaskets or bolts
- For use on pressure gauges up to 3 1/2" from vacuum 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 female, 1/4-1/2 NPT male process connections
- 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

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

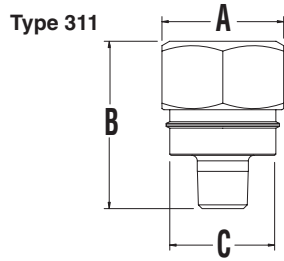
Table F – Filling Fluid

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:

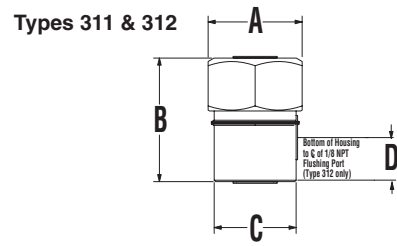
1. From Table A...select PROCESS CONNECTION SIZE (e.g., 50 for 1/2" female NPT)
2. From Table B...select TYPE (e.g., 311 for all welded midi-seal)
3. From Table C...select DIAPHRAGM MATERIAL (e.g., U for Tantalum)
4. From Table D...select BOTTOM HOUSING MATERIAL (e.g., H for Hastelloy C)
5. From Table 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



Type 311 Midi-Seal – Male NPT Process Connection

Size	Code	A		B		C	
		in	mm	in	mm	in	mm
1/4	02	2	(51)	1 3/8	(35)	1 3/4	(44)
1/2	04						
3/4	06						
1	08						



Types 311 & 312 – Female NPT Process Connection

A		B		C		D	
in	mm	in	mm	in	mm	in	mm
2.00	(51)	2.65	(67)	1.75	(44)	0.94	(24)