

- Recommended for use where clamped joints are not acceptable
- Assists in controlling plant emissions by helping prevent potential leakage of hazardous chemicals
- Prevents inadvertent disassembly
- All-stainless steel construction is standard. Other materials available



Type 400



Type 500

SELECTION TABLES
Table A – Process Connection/Type Number

Type No.	Process Connection	Process Connection Size/Code—Inches											Pressure Rating
		Size Code	1/4 25	1/2 50	3/4 75	1 10	1 1/2 15	2 20	3 30	4 40	6 60	8 80	
400	Threaded—female NPT		•	•	•	•							7500 psi ⁽¹⁾⁽⁵⁾
401	Threaded—female NPT (with flushing connection)		•	•	•	•							7500 psi ⁽¹⁾⁽⁵⁾
402	Raised face flange		•	•	•	•	•	•					Per ASME B16.5 ⁽²⁾
403	Raised face flange (with flushing connection)		•	•	•	•	•	•					
500	Threaded—female NPT		•	•	•	•							500 psi
501	Threaded—female NPT (with flushing connection)		•	•	•	•							500 psi

Table B
Diaphragm Material

Material	Code
316L SS	S
Hastelloy B	G
Hastelloy C 22	J
Hastelloy C 276	H
Tantalum	U
Monel	P
Titanium	TI

Table C
Housing Materials⁽³⁾

Bottom Material	Code	Top Material ⁽⁴⁾
316L SS	SL	316L SS
Hastelloy B	G	316L SS
Hastelloy C 22	J	316L SS
Hastelloy C 276	H	316L SS
Monel	M	Monel
Titanium	TI	Titanium

Table D
Instrument Connection

Size – NPT	Code
1/4	02T
1/2	04T

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) XHP (High Pressure Rings) with 15,000 psi rating available on Type 400 only.
- (2) Flange ratings 150 class through 1500 class.
- (3) Other bottom housing materials on application.
- (4) Top housing material is 316L SS (standard) except for monel which has a monel top housing and titanium which has a titanium top housing.
- (5) Continuous duty. For static pressures only between 2500 and 7500 psi.

TO ORDER THIS TYPE 400 & 500 DIAPHRAGM SEAL:

1. From **Table A**...select TYPE NUMBER & process connection size (e.g., 1" process—code 10-400)
2. From **Table B**...select DIAPHRAGM MATERIAL. (e.g., AISI 316L stainless steel—code S)
3. From **Table C**...select BOTTOM HOUSING MATERIAL. (e.g., AISI 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: 10-400SS-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