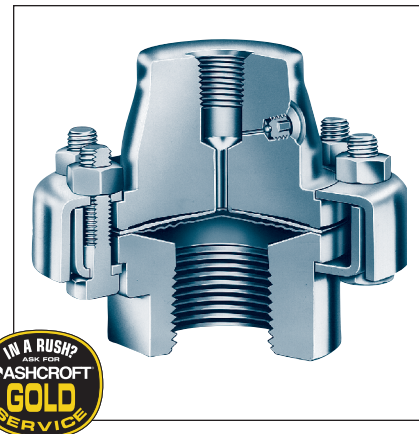


**Type 200 Welded**

- Teflon gasketed, continuous-duty diaphragm capsule is welded to the top housing, which is then clamped to a bottom housing.
- Fill/bleed connection is standard.
- Top housing and pressure instrument are removable.
- Available in same process connections, materials, types and sizes as the Type 100 capsule design.
- Top housing is interchangeable with all standard Ashcroft® bottom housings.

**Type 200 Bonded Viton, Kalrez and Teflon**

Similar in construction, materials, and product features to the Type 300 clamped diaphragm seal on page 142, the diaphragm in the Type 200 seal is bonded permanently to the top housing – and is the removable type.


**SELECTION TABLES**
**Table A – Process Connection/Type Number**

Process Connection	Process Connection Size/Code—Inches											Type Number
	Size Code	1/4	1/2	3/4	1	1 1/2	2	3	4	6	8	
Threaded—female NPT		•	•	•	•	•						200
Threaded—female NPT (with flushing connection)		•	•	•	•	•						201
Flanged <sup>(1)</sup>			•	•	•	•	•	•				202
Flanged (with flushing connection)			•	•	•	•	•	•				203
In-line—threaded NPT		•	•	•	•							204
Saddle										•	AND LARGER	205
In-line—butt weld		•	•	•	•	•	•	•				208
In-line—flanged <sup>(2)</sup>			•	•	•	•	•	•	•	•	•	206
In-line—socket weld		•	•	•	•	•	•	•				207

Pressure Ratings—All 2500 psi except flanged seals are per ASME B 16.5, temperature limit determined by diaphragm, bottom housing and/or filling fluid.

**Table B**  
**Diaphragm Material**

Material	Code
316L stainless steel	S
304 stainless steel	C
Monel 400	P
Nickel	N
Carpenter 20	D
Tantalum	U
Hastelloy B	G
Hastelloy C 22 <sup>(7)</sup>	J
Hastelloy C 276 <sup>(7)</sup>	H
Teflon <sup>(9)</sup>	T
Viton <sup>(6)</sup>	Y
Kalrez <sup>(12)</sup>	K
Titanium	TI

**Table C**  
**Bottom Housing Materials**

Material	Code
Steel	B
304L stainless steel	C
316L stainless steel	S
Hastelloy B	J
Hastelloy C 22 <sup>(7)</sup>	G
Hastelloy C 276 <sup>(7)</sup>	H
Carpenter 20	D
Monel “400” <sup>(7)</sup>	M
Inconel “600”	W
Nickel	N
PVC <sup>(8)</sup>	V
Tantalum clad stainless steel <sup>(9)</sup>	SU
Halar coated stainless steel <sup>(10)</sup>	BH
Teflon flanged steel <sup>(11)</sup>	T
Kynar <sup>(13)</sup>	KY
Titanium <sup>(1)</sup>	TI

**Table D**  
**Instrument Connection**

Size – NPT	Code
1/4	02T
1/2	04T

**NOTES:**

- (1) 150, 300, 600, 900, 1500 & 2500 class flanges.
- (2) 1” 150 thru 8” 300 class flanges only.
- (3) Metal diaphragms welded; Teflon, Kalrez & Viton diaphragms bonded.
- (5) Temp. Limits: –40/400°F.
- (6) Max. Pressure: 500 psi. Temp. Limits: –40/350°F.
- (7) Use on applications where NACE standard MR-01-75 2003 is specified.
- (8) Maximum Press./Temp.  
Threaded: 200 psi/74°F, 125 psi/125°F, 80 psi/150°F.  
Flanged: 75 psi/100°F.
- (9) Type 202 only.
- (10) Temp. Limits: –40/300°F.
- (11) Only available in 1”, 1 1/2”, & 2” 150 class, Type 202.  
Max. Press./Temp. – 270 psi and 150°F.  
Consult factory for conditions beyond these limits.
- (12) Max. Pressure: 500 psi  
Temp. Limits: 30/212°F.
- (13) Maximum Pressure/Temp.: 200 psi and 180°F.

**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

**TO ORDER THIS TYPE 200 DIAPHRAGM SEAL:**

1. From **Table A**...select TYPE NUMBER based on process connection, process connection size and diaphragm type/construction. (e.g., Threaded/1”/welded—code-10-200)
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., 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:** 10–200SS–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)**