

The Ashcroft® Type 320 quick-connect diaphragm seal is designed especially for those applications that require ease of dismantling and re-assembly and do not require a 3A standard rating in accordance with sanitary standard 74-00.

Typical applications include the pharmaceutical, dairy, food processing, biotechnology, and filtration markets. Also included are breweries, distilleries, wineries and citrus juice production plants.

Standard features include:

- 316L stainless steel diaphragm welded to a 316L stainless steel top housing.
- Fill/bleed connection
- Top housing and pressure instrument removable from process.
- Compatible with Tri-Clover and

Cherry Burrell S line connections



SPECIFICATIONS

Table A – Piping System/Type Number

Type Number	Piping System	Code	Top Housing Materials ⁽²⁾	Code	Diaphragm Material	Code	Instrument Connection	Code
320	1½" ⁽¹⁾	15	316L SS	S	316L SS	S	¼ NPT	02T
320	2"	20	316L SS	S	316L SS	S	¼ NPT ½ NPT	02T 04T

Table B – 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) For use with most 3½" and smaller gauges. Movementless gauge 4½" (exception).
 (2) Top housing material is 316L SS (standard). Monel mini-seal standard with monel top housing.

PRODUCT INFORMATION:

- The 1½"-Type 320 is for use on most 3½" and smaller size gauges; the 2"-Type 320 can be attached to gauges up through 4½" size.
- Quick-connect clamps, gaskets or bottom housings are not supplied.
- Can be used with pressure instruments such as gauges, switches and transducers.
- Replaces Ashcroft Type 110 series quick-connect diaphragm seals.
- Maximum operating pressure and temperature is determined by the gaskets and clamping devices used in the piping system.

TO ORDER THIS TYPE 320 DIAPHRAGM SEAL:

1. From Table A...select TYPE NUMBER & piping system size, diaphragm and top housing material, ¼" instrument connection (e.g., 1½" process, 316 stainless steel diaphragm and top housing code 15-320SX-02T)
2. From Table B...select FILLING FLUID if diaphragm seal will be attached to instrument. (e.g., glycerin-code CG)
Coded order: 15-320SX-02T-CG