

Diaphragm Seals**PIP #: DS-PI-73**

Applicable to:

TYPE 740 LOW PRESSURE DIAPHRAGM SEAL, Q&A**Q.What is the displacement of the Type 740 seal?**

A. 43 cubic inches or 7.0 cubic centimeters.

Q. Can the 740 seal be used on vacuum service?

A. Yes. Maximum vacuum indication may not exceed 25" Hg. If higher vacuum indication is required, consult Stratford Customer Service.

Q. Are other than ¼" and ½" NPT process connections available? At additional cost?

A. Yes. We can supply ½" through 1½" NPT process connections at no extra charge. Larger size connections are on application.

Q. Will flanged connections and pricing be made available?

A. Yes, they are on application. Advise size, material, flange class, and type of face.

Q. What is the additional accuracy error of the Type 740 Diaphragm Seal when attached to a pressure instrument?

A. The additional error at room temperature (72°F) is ½%.

Q. Is the standard Gylon[®] 3510 PTFE gasket material suitable for use on all chemicals at all temperatures?

- A. 1. Gylon[®] is suitable for most chemicals listed in the Ashcroft Corrosion Guide ASH/PI- 14B and any forthcoming revisions of the Guide. Exceptions are listed below:
- For *sulfuric acid*, in concentrations over 75%, specify variation code XGA (Ashcroft component part number 124A82-01) which calls for Gylon[®] 3545 microcellular PTFE
 - For sodium hydroxide (caustic or caustic soda), the standard Gylon[®] 3510 gasket is preferred but limited to a 45% concentration and maximum 250°F.

- For low pressure oxygen, specify an oxygen cleaned instrument without a Diaphragm Seal.
- For low pressure dry fluorine gas, specify a Monel instrument without a Diaphragm Seal.
- For applications above 500°F. (and up to 600°F.) specify variation code XGC for Garlock Graph-Lock[®] 3123 homogeneous graphite. (Ashcroft component part number 124A282-02). This material is not suitable for sulfuric acid and other strong oxidizers which are noted in Ashcroft Corrosion Guide ASH/PI-14B with a Δ symbol and will be noted in forthcoming revisions of the Guide with a (bomb symbol).

- No additional charge will be made for either of the above alternate gasket materials.

If in doubt on suitability/compatibility of the above gasketing materials, contact Customer Service and advise process media, concentration, pressure and temperature.