

**PRODUCT INFORMATION****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.

- c. For low pressure **oxygen**, specify an oxygen cleaned instrument without a Diaphragm Seal.
- d. For low pressure dry **fluorine** gas, specify a Monel instrument without a Diaphragm Seal.
- e. 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  $\Delta$  symbol and will be noted in forthcoming revisions of the Guide with a (bomb symbol).

2. 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.