

Parflex FAQ

Frequently Asked Questions

1 Q What Parker Parflex tubing/hose is compatible with a particular chemical?

A The appropriate type of hose or tubing depends on what particular chemical is being used. Hose that is chemically compatible with a specific fluid must be constructed using fittings with likewise compatible materials. For assistance, refer to the chemical compatibility pages, G-52 to G-58, in the Parker Parflex 4660 Catalog. If there is no data or documentation available in the catalog, contact Parker Parflex Technical Services at (330) 296-2871 for further information.

2 Q Where do I go to find fitting models/drawings?

The CAD Library on [parker.com](http://www.parker.com)

A <http://www.parker.com/portal/site/PARKER/menuitem.d349a5f4b59aa1707dbb3e10237ad1ca/?vgnextoid=b3fcefd602ef2110VgnVCM100000c9040d0aRCRD&vgnextfmt=EN>
or, once you locate your product on [parker.com](http://www.parker.com), a CAD option will appear on the right of the screen.

3 Q What are the dimensional parameters or material properties for Parker Parflex products?

A Specific manufacturing tolerances and material specifications for Parker Parflex products are considered proprietary information and are not released. However, nominal dimensions and manufacturing materials are included in the Parker Parflex 4660 Catalog for reference.

4 Q What Parker Parflex products can be used for hydraulic brake systems?

A Parker Parflex does not manufacture any products, including hose, tubing, and fittings that are suitable for hydraulic brake systems and applications.

5 Q Can standard Parker Parflex air brake tubing (1120) be used for diesel fuel applications?

A Parker Parflex Diesel Fuel Tubing, more specifically FL and HTFL, on pages D-5 and D-6 of the Parker Parflex 4660 Catalog, is manufactured from a special resin that is primarily designed for diesel fuel applications. The use of air brake tubing (1120) for diesel fuel services presents a safety hazard. Refer to the Parker Safety Guide (Bul. 4400-B.1) for precautions when selecting and using fluid connectors.

6 Q What is the shelf life of Parker Parflex products?

A Under optimal storage conditions, Parflex thermoplastic and PTFE hose and hose assemblies are considered to have unlimited storage life prior to initial usage and handling (per SAE J517). Rubber covered Hybrid[®] and silicone covered PTFE hose must comply with industry shelf life standards for rubber hose, which indicate that the shelf life of rubber hose or hose assemblies that have passed visual inspection and a proof test is ten years, or forty quarters, from the date of manufacture. Parker Parflex hose, hose assemblies, and tubing can be adversely influenced by exposure to temperature extremes, humidity, ozone, sunlight, oils, solvents, corrosive liquids or fumes, radioactive materials, rodents, insects, or electromagnetic fields. In order to maximize shelf life, unused materials should be kept and preserved in a location where exposure to the above mentioned circumstances is minimized. Materials should be protected in the original, sealed containers and stored in an area that is relatively cool, dark, dry, and free of dirt, dust, and mildew. Furthermore, a first-in and first-out policy should be practiced, based on the manufacturing date of the hose and hose assemblies.

7 Q What is the life expectancy for Parker Parflex products?

A Parker Parflex does not make recommendations for the life expectancy of any products, including hose, tubing, accessories, etc. The Parker Parflex catalog offers guidelines that define the specific performance limits of various Parker Parflex products. It is important to consider that every application is unique and that there are many variables that can potentially impact a product's useful life expectancy. The end user is ultimately responsible for validating that the chosen product fulfills the demands of their specific applications.

8 Q Can Parker Parflex repair failed hose?

A With the exception of sewer hose and some of the Polyflex hose products, the answer is no. Many variables, such as pressure, temperature, routing, fluid media, length of service, etc. will alter the overall performance, efficiency, and life of the hose.

9 Q Can Parker Parflex supply MSDS (Material Safety Data Sheets) for our products?

A Parker Parflex produces finished products that are excluded from the Hazard Communication standard Title 29 CFR Part 1910.1200 by the definition and exemption of manufactured "articles." An article is defined as a manufactured item that is formed into a specific shape or design for a particular end use or function that will not release, or otherwise result in, exposure to a hazardous chemical under normal use. The Parker Parflex Division does not manufacture or produce chemical substances. Contact Parker Parflex Technical Services at (330) 296-2871 if there are any further questions regarding this subject.

10 Q What fittings are approved for the various tubing products that Parker Parflex offers?

A On page B-6 of the Parker Parflex 4660 Catalog, the Tubing Compatibility Chart with the use of Parker FSC Fittings is displayed. Please take note of the information regarding the use of tube supports, clamps, and brass or plastic sleeves. If a specific fitting is not present on the chart, then it has not been tested and the appropriate Parker division that designs and manufactures the fitting will need to be contacted in order to determine suitability.

11 Q What is the durometer of Parker Parflex tubing?

A When Parker Parflex supplies a durometer for tubing, it refers to the approximate durometer of the material used to manufacture the tube product and it is for reference only. They include: Polyethylene: 45D, Nylon series N:62D, Nylon series NR: 72D, Polypropylene: 77R, Polyurethane series U: 90 to 95A, Polyurethane series HU: 98A, Vinyl: 70A. All Fluoropolymer tubing durometers can be found on page B-51 of the Parker Parflex 4660 Catalog.

12 Q What Parker Parflex tubing is compatible with biodiesel fuels?

A The tubing products that are suitable for biodiesel fuel applications are Parflex Diesel Fuel Tubing and HTFL Diesel Fuel Line Tubing, for use in high temperature applications. In order to receive more information regarding the details of these products refer to pages D-5 and D-6 in the Parker Parflex 4660 Catalog. For fitting suitability, please contact the fitting manufacturer.

13 Q Why do certain Parker Parflex hose series have a perforated cover?

A When hose is used for gaseous applications a natural phenomenon referred to as permeation occurs. Since gas molecules are smaller in size when compared to liquids, the gas permeates through the tube wall and a path to atmosphere is required. The perforated cover allows this entrapped gas to pass through the hose cover and vent to atmosphere. Please note that this is not to be construed as hose leakage.

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| 14 | Q | What Parker Parflex products can be used for oxygen and hydrogen applications? |
| | A | Parker Parflex does not maintain a formal position on the suitability of its products for hydrogen and oxygen applications. The decision to use or not use Parker Parflex products in hydrogen or oxygen applications is left up to the end user to test, define, and ultimately determine since Parker Parflex does not endorse, warrant, or make product suggestions for these circumstances. |
| 15 | Q | Does Parker Parflex manufacture breathing air hose? |
| | A | Parker Parflex manufactures breathing air hose for bottle refill applications only. Products with intended use between regulator and mask or to supply air for life support are not designed by Parker Parflex. |

Frequently Asked Questions for the Parker Parflex MiniKrimp™

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| 16 | Q | Where is the serial number located on my MiniKrimp™ machine? |
| | A | The first place to look for the MiniKrimp™ serial number is the top surface of the Hardened Steel Sleeve (Part # 015302). No disassembly is required but you may need to remove the Die Ring and Die to read it. If your MiniKrimp™ machine was produced before January 2007 then the serial number is stamped and located on the bottom of the Hardened Steel Sleeve. In order to read it you must remove, from the bottom of the MiniKrimp™ machine, the Retention Ring (Part # 822031), the Spring (Part # 822012), and the Die Separator (Part # 822011) in that order. For further reference, pages F-8 and F-9 of the Parker Parflex 4660 Catalog demonstrate an analysis of these component part numbers with a close up drawing illustrating which part provides the MiniKrimp™ serial number. |
| 17 | Q | Where do I purchase Enerpac Replacement Oil used in the MiniKrimp™ machines? |
| | A | Even though the Parflex Division does not provide Enerpac Replacement Oil as a product offering, Enerpac oil can be purchased directly from Enerpac Corporation (1-800-558-0530) or from Grainger (1-888-361-8649). The Enerpac part numbers are HF100 (1 quart container) and HF101 (1 gallon container). The Grainger part numbers are 3KD75 (1 quart container) and 3KD76 (1 gallon container). Authorized Enerpac Replacement Oil must be used in these machines otherwise all warranty and/or credit considerations for the machines will be void. |
| 18 | Q | What is the process to repair Enerpac components on MiniKrimp™ machines? |
| | A | Parker Parflex Division Quality Control has established a program with an Enerpac Service Center, A & A Hydraulics, to turn the MiniKrimp™ machines around in about five business days. The customer can also request to have the repaired machine drop shipped back to them from the Enerpac Service Center to shorten the turnaround time. A & A Hydraulics can be contacted at (216) 362-4000 for further information. |
| 19 | Q | Where do I purchase replacement parts and components for my MiniKrimp™ machine? |
| | A | Since not all MiniKrimp™ parts and components are sold by the Parflex Division for field repair, the exact location where replacement purchases can be made for the MiniKrimp™ machines varies depending on which component or part of the machine needs to be replaced. If in need of repair parts, repair drawings, prints, part numbers, etc., contact Parflex Technical Services at (330) 296-2871 for assistance. |



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