



# The Genuine Parker Parts (GPP) Program



ENGINEERING YOUR SUCCESS.



- **Dry Technology design engineering**
- **Training for connector system assemblers**
- **Three-Year Leak-Free Warranty**

## Parameters of the GPP Program

include the following product and assembly requirements:

1. All ports (including hydraulic tank), tube and hose ends, and ball valves must have elastomeric O-ring seals
2. All fluid connectors must be Parker Hannifin
3. All installers must be trained by Parker in Dry Technology
4. One set of torque wrenches must be available at the assembly site
5. Warranty qualification on a model-by-model basis
6. Online registration form must be filled out by the end-user for claim validity ([www.parker.com/gpp](http://www.parker.com/gpp))
7. All hose assemblies must meet minimum bend radii requirements
8. Parker SensoControl® verification of system pressures and spikes
9. Written Quality Control procedure for ensuring that all joints are assembled properly (copy to be submitted before approval)
10. No hose twist – use two wrenches
11. Proper clamping required
12. Proper line velocities required
13. Allow slack for hose expansion and contraction
14. Customer must maintain log of trained assemblers
15. Lubrication of port O-rings, Seal-Lok™ and flange O-rings before installation

# Genuine Parker Parts: A Valuable Part of Your Process



The GPP process begins with information gathering, analysis and plan development by your Parker Application Engineer.



## The Process Begins



The process achieves a superior, warranty-backed product while satisfying the agendas of your participating teams.

Everyone in the process has a single goal, but different agendas. The goal is to make and sell the best possible product at a competitive price.

The engineering team wants world-class performance. The purchasing team wants to reduce overall costs and the number of separate components required. Manufacturing and Quality Control want components that can be assembled precisely with no reworks, call-backs or customer complaints. The marketing team wants a competitive advantage that can be promoted in advertising, in sales literature and at trade shows.

The Genuine Parker Parts (GPP) program helps manufacturers achieve the goal, while meeting each team's individual agenda. The result is a superior manufactured product backed by Parker's exclusive Three-Year Leak-Free Warranty.

The GPP process begins when your Parker Application Engineer meets with members from each team, gathers on-site information, analyzes the data, and maps out Parker's plan for you.

Then, with manufacturer agreement to conform to the system parameters of the GPP program, Parker really goes to work for you.

**The GPP program helps manufacturers achieve the goal with a comprehensive, team-oriented process:**

Parker rep meets with team members >  
On-site information gathering > Parker application engineers conduct analysis >  
**We map out our plan for you**

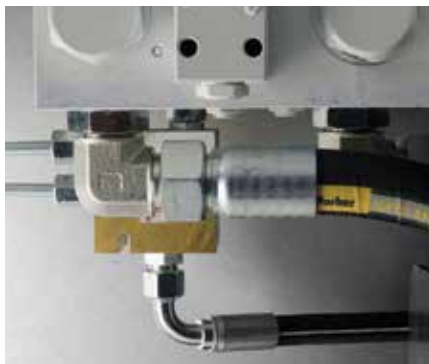
# Performance Improvement

Parker Application Engineers consult with your engineering team to design the best fluid connector system for each model in your product line. From efficient fitting selection to hose/tube line sizing and routing for optimal flow and minimal pressure loss, our engineers assist you with invaluable industry-proven experience.

The program's resulting Three-Year Leak-Free Warranty covers connector sealing surfaces. Hose life, of course, varies greatly with each application. However, the Parker engineering system analysis maximizes hose life due to improved routing schemes, hose selection and elimination of potential problem areas.



From fitting selection to line sizing and routing, we work with your engineers to ensure the optimal fluid connector systems for all models in your product line.



By achieving significant design improvements, the GPP program offers hose assembly as well as connector sealing surface warranties.

## Parts Reduction

The Parker Application Engineer works with you to reduce the number of potential leak paths, which usually means a reduction in the number of components. Of course, fewer components usually mean a decrease in your cost of production.

What's more, Parker can reduce and standardize the different types of parts used in manufacturing your product. Your fluid connector system components can all be ordered from a single source, and kitting is available to

consolidate parts required for a specific model's assembly. The GPP program, however, is not about taking shortcuts. It's about using the right components and the right assembly techniques for your specific application. And it's backed by Parker's exclusive Three-Year Leak-Free Warranty.

Your Parker representative will work with you to determine the most efficient and economical schedule for delivery of Parker components to your production line.

Application Engineers work with your engineers to review design > Design presentation, including proposed system improvements > Prototyping, utilizing leading-edge technologies > **Project planning**

Evaluate opportunities for parts reduction > Order parts for prototyping > **Review parts delivery**

# Quality Manufacturing

Parker engineers, working with your manufacturing team, “plumb” the prototype unit implementing the designs developed with your engineers.

The goal of the prototype is to deliver a superior product that offers:

- **Reduced leak paths**
- **Increased system accessibility**
- **Reduced number of connections**
- **Improved appearance**
- **Ensured reliability with Parker’s products**
- **Reduced system assembly time by improving the routing scheme**

At the same time, your assemblers will receive training and certification in Dry Technology by Parker. Your customers recognize the value and reliability of equipment assembled by certified connector assemblers.

Parker engineers analyze the prototype using the SensoControl diagnostic system and all system parameters are recorded. Once Parker and your team approve the prototype, the model is certified for production under the GPP program and awarded a Three-Year Leak-Free Warranty.



Our prototype analysis with the SensoControl system prepares your product for approval and certification.



Your GPP-certified products are supported by our global network of professionals and 24/7 information and assistance.

## Promotional Power

The GPP program is an exceptional sales advantage for you. It assures that your customers will receive the highest-quality, most efficient fluid conveying system available. If a problem does occur, customers should alert a Parker representative immediately. A Parker-trained technician will be available to provide support anywhere it's required. Procedures are fully explained in the warranty booklet that will accompany each piece of machinery covered under Parker's Three-Year Leak-Free Warranty.

Parker can also help you promote your GPP-certified products. GPP products are eligible to be documented in custom-written case studies: something you can use as sales literature or trade show hand-outs. For complete details, ask your Parker representative.

SensoControl diagnostic testing records all system parameters > Assembler training > Field service to simplify assembly and accessibility > **The warranty**

Partnership > Certification > Case studies > **Sales & marketing and promotional**

# Parker Fluid Connectors Group

**Your complete source** for quality tube fittings, hose & hose fittings, brass fittings & valves, quick-disconnect couplings, and assembly tools, locally available from a worldwide network of authorized distributors.

**Fittings:**

Available in inch and metric sizes covering SAE, BSP, DIN, GAZ, JIS and ISO thread configurations, manufactured from steel, stainless steel, brass, aluminum, nylon and thermoplastic.

**Hose, Tubing and Bundles:**

Available in a wide variety of sizes and materials including rubber, wire-reinforced, thermoplastic, hybrid and custom compounds.

**Worldwide Availability:**

Parker operates Fluid Connectors manufacturing locations and sales offices throughout North America, South America, Europe and Asia-Pacific.

**For information**, contact the nearest Regional Sales office listed, or call toll free...

**1-800-C-PARKER  
(1-800-272-7537)**

