Complete Piping Solutions

aerospace
climate control
electromechanical filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding

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Complete Piping Solutions (CPS)

We have combined the innovative Parflange F37 non-welded piping system with a broad array of piping services in Parker’s Complete Piping Solutions (CPS). For industries ranging from energy and steel, testing systems and more, Parker CPS tailors piping solutions to maximize our customers’ profitability.

Parker’s CPS team is on the jobsite providing the necessary expertise throughout the entire piping project.

Application-Specific Piping Solutions

Some projects may require significant consultation and design services, while others may only need prefabricated pipe assemblies from a customer supplied print. Customers have the ability to choose from the breadth of services provided through the Parker CPS Center – whether this is prefabricated piping assemblies delivered to the jobsite, on-site piping fabrication or a more turnkey approach including installation.

Moving the technology forward

Parflange’ F37 system is the proven alternative to time-consuming and costly welding, and we continue to expand this product range to solve new customer challenges.

Consultation and Design

The Parker CPS team of engineers offers expert consultation and design services.

During consultation, the customer’s project requirements are reviewed with the CPS engineering team to determine the best-suited services. Technical and commercial requirements are also reviewed. Line sizing, clamping requirements, routing, and environmental and safety concerns are considered during this early stage.

Parker’s CPS team provides a tailored proposal to match the customer’s technical and commercial requirements whether the project is a line expansion, retrofit of existing piping system or for OEM piping assemblies. This key collaborative planning provides a solid foundation for subsequent
design work, as well as for fabrication of piping assemblies. As the project enters the design stage, Parker’s engineer-to-engineer collaboration with the customer ensures that all technical requirements are met. Depending on the scope of work, piping assemblies are designed either on the jobsite or at the CPS center. Our piping designers are experts in on-site measurement/surveying, development or modification of detailed piping drawings, and review of customer technical specifications and standards.

Prefabricated Assemblies and Installation

Parker’s CPS team migrates the upfront piping engineering to factory prefabricated pipe assemblies with several installation options. The CPS Center employs Parker filtration and condition monitoring technologies to bring piping cleanliness to documented customer requirements. On-site leak-proof testing services can also be specified. Parker delivers fabricated pipe assemblies to the worksite. These pipe assemblies will be protected, labeled and ready for installation.

With state-of-the-art CNC large- and small-capacity bending equipment, as well as all complementary pipe end finishing equipment, the CPS team expertly manufactures prefabricated piping assemblies.

By using cold drawn seamless tubes, the non-welded Parflange F37 system is inherently cleaner than welded piping systems, providing the benefit of reduced system flushing time.

Fabrication Capabilities

1-1/4” (42 mm) to 10” (273 mm) bending at 2D to 3D bend radius

Parker’s CPS centers maintain a high-level of seamless tube, flange components, clamps and accessory components for pipe assembly fabrication and to support installation.

Parker provides best-in-class non-welded piping systems. Whether the scope of the project requires the complete redesign of a welded piping system or the fabrication and delivery of a pre-engineered non-welded piping assembly, Parker CPS will engineer a solution to maximize customer value.
As you collaborate with Parker’s Complete Piping Solutions (CPS) on your project, you can be sure you have selected the best non-welded piping technology. The inherently clean Parflange® F37 system is free of mill scale and welding-induced contaminants. All assemblies are “pigged” to remove larger particulate contamination imparted in the fabrication process. Simply stated, Parker’s Parflange F37 non-welded piping system is installed clean and will remain clean.

Mobile flushing skids can be dispatched to the jobsite with Parker technicians to flush the system to your requirements.

You can be confident that the high-integrity piping system you’ve chosen will be commissioned to the appropriate hydraulic ISO cleanliness level, up to servo valve cleanliness.

PTS helps customers reduce equipment and machinery downtime by increasing the speed, timing and accuracy of acquiring replacements. Using a Web-based application, PTS generates a unique identification code for each hose assembly that is printed on a durable barcode or RFID label. PTS can eliminate costly hours of equipment downtime, helping customers achieve greater productivity and profitability.

www.parker.com/pts
Why Non-Welded Piping and Prefabricated Assemblies from Parker:

A comparison of two approaches to a 2"–4" piping system:

**Welded System**
- Welds: 6
- Elbow Fittings: 2
- Welding Fabrication Time: High
- System Flushing Time: High
- Flow Characteristics: Abrupt
- Total Installed Cost: High

**CPS Cold Bent Parflange F37 System**
- Welds: 0
- Elbow Fittings: 0
- Cold bends: 2
- Welding Fabrication Time: N/A
- System Flushing Time: Low
- Flow Characteristics: Best
- Installed Time: Lowest
- Total Installed Cost: Lowest

**Summary:** Parker’s Parflange F37 System reduces installed cost by reducing welding and fabrication time. Since no weld contaminants are introduced to the system, flushing time can be dramatically reduced as well. Combining this with Parker CPS Center’s cold bending capabilities, additional improvements in installation time and flow characteristics are evident.
Your complete source for quality tube fittings, hose & hose fittings, brass & composite fittings, quick-disconnect couplings, valves 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, call toll free...
1-800-C-PARKER (1-800-272-7537)