Custom Products and Services
Design and Engineering

From conception to completion

GF Piping Systems offers full mechanical design capabilities and services from our highly-skilled plastic design engineering group. Our engineering staff can assist with everything from part modification of an existing product, new product development, spool drawing, and manufacturing drawings from customer-provided sketches all the way to full-system design from your piping and instrumentation diagrams (P&ID).

Services offered include
• Design engineering
• Unigraphics or Solid Work 3D modeling
• Seismic calculations
• Prototypes
• 3D printing
• Hydraulic modeling
• Flow dynamics
• Skid design
Fabrication

We have the most complete offering of plastic piping systems with more than ten materials to choose from

Our Custom Products fabrication group of highly-trained craftsmen is capable of turning your ideas and concepts into reality. With a full complement of specialized plastic fabricating equipment, and our new and much larger manufacturing facility in-house, GF can handle your most challenging project with the attention to detail you expect.

Some of our capabilities include

• CNC turning with live tooling
• 5 axis CNC mills
• Hot gas welding
• Extrusion welding
• Clean room welding and assembly (Class 10,000)
• IR, butt, socket, BCF, and electrofusion welding
• ASME B31.3 Bonding and cementing
• System assembly
• Testing- hydrostat or pneumatic
• Sidewall fusion
• Saddle welding
• Enclosures and wiring
Single Source Provider

Complete piping spools and header assemblies manufactured and delivered to your specifications

Many of our customers require shop assembly and fabrication of large or complex piping spools or headers, and our Custom Products department is a leader in providing these assemblies. We specialize in making space-saving fitting-to-fitting welds, tight tolerance flanged headers with multiple outlets, and large scale headers that cannot be easily fabricated or installed in the field. Other customers simply want to take advantage of GF’s capability to provide completed flanged spool assemblies from a single source that can simply be bolted together on site using in-house technicians, thereby saving the time and expense of hiring certified contractors and renting welding equipment. Whether a single spool or a complete system manifold, we can provide your solution.
The Right Finished Product

We manufacture the most extensive line of piping materials available and can provide the right product for your application — single part or complete assembly

With over ten different plastic materials to choose from, GF Piping Systems has the ideal piping product for most applications. As the industry leader, we will be there with you to help choose the material that’s right for your specific installation. Unlike other suppliers that are limited in the materials they manufacture and attempt to use what is available for a given application, we know factors such as water purity, temperature, chemical and UV resistance, joining technology, fire resistance and other factors all need to be considered when making the best selection. In addition, we manufacture materials in a variety of dimension, wall thicknesses, inch or metric standards, DIN or ASTM standards as well as drainage or pressure applications. This extensive product depth allows us to offer the best and most cost-effective solution for our customers. Take advantage of our many years of experience, fabrication capabilities, and industry knowledge to help deliver the right finished product that best suits your needs.