CUSTOM MANIFOLD

Assemblies

... Fully Integrated to Fit Your Application
Custom Integrated Solutions

Plastixs has delivered custom built manifold assemblies into a variety of industries and we value the opportunity to learn more about yours. We apply our engineering and manufacturing expertise to deliver turn-key fluid distribution solutions to our customers. Additionally, we offer a wide range of hose assemblies and fittings that can meet your most demanding industrial applications.

Custom Assemblies

- **Custom Aluminum Manifold Assemblies**
- **Custom Stainless Steel Manifold Assemblies**
- **Compact Stainless Steel Manifold Assemblies**

  - Designed and built to your exact specifications
  - Fully assembled and ready to install
  - Many unique options available to increase productivity

Fast Return on Investment

- Improved project timelines with faster cycle times, setups and teardowns
- Thousands of components in stock for fast delivery
- Easy/fast ordering online, email or phone

Increased Safety

- Leak-proof manifolds and assemblies are standard, high temperature hoses and no-slip fittings are available
- Neater setups with fewer slip, trip and fall hazards
- OSHA compliant

Quality, Service and Value

- Quality engineered components from industry leaders
- Award winning customer service and product support
Customer Specific Manifold Assemblies

- Designed and Built to Your Specifications
- Expertly Assembled with the Highest Quality Components
- All Sizes, Customized Valves, PLUG AND PLAY
- Molding, Semiconductor, Food, Medical Industries Expertly Served
- DURABLE-Stainless Steel or Aluminum Construction
- Complete Systems Integration

**Easy to Integrate and Simple to Install**
- Fully configurable to your application
- Unique “Plug-n-Play” concept provides quick & easy installation
- Special “Kits” available for High Temperature applications

- Products for High Temperature Water to 400°F and Oil to 550°F
- Built to meet customer requirements
- Clean Room Ready (Stainless Steel)
- Batch Production Capabilities
  - We assemble so you don’t have to
HiTemp™ Manifold Assemblies

- **HiTemp™ Oil Manifold Assemblies**
  - Manifold rated 100 psi at 550°F
  - All stainless steel construction reduces corrosion
  - JIC connections provide leak free assembly
  - Shut-off valves designed for heat transfer oil at temperatures up to 550°F with locking handles for added safety
  - Center port inlets for easy installation directly onto your oil unit
  - Configurable, compact design

- **HiTemp™ Water Manifold Assemblies**
  - Manifold rated 250 psi at 400°F
  - All stainless steel construction reduces corrosion
  - JIC connections provide leak free assembly
  - Shut-off valves have locking handles for added safety
  - Threads directly onto water unit or can be remotely connect
  - Configurable, compact design is ready to install
  - Series HTC with centered inlet also available - mounts directly to water unit

- **HiTemp™ Insulated, Flexible Metal Hose**
  - Hose assemblies rated up to 550°F
  - All stainless steel construction (corrugated SS tube)
  - Available with 1/2” and 3/8” ID
  - Assemblies covered with orange silicone insulation
  - 6, 8 and 10 ft lengths available

- **HiTemp™ Fluoropolymer Insulated Hoses**
  - Hose assemblies rated up to 400°F and 1,000 psi
  - Provides optimal thermal insulation in high heat applications
  - Prevents energy loss through hoses
  - Available in 2, 4, 6, 8 ft lengths

- **HiTemp™ EPDM Water Hoses**
  - Service temperature up to 285°F (140°C)
  - Ideal for high temperature water lines for molds
  - Flexible EPDM cover is abrasion, ozone, heat and weather resistant
  - Available in 3/8”, 1/2” and 3/4” ID - blue, red or black in stock for fast delivery
Engineered Solutions - Design/Assembly

Support
- Plastixs can provide engineering support to help you meet some of your toughest challenges. We bring unique solutions and methodologies supporting your plant staff on new applications as well as streamlining your current production operations.

Services
- CAD Design and 3D Modeling Capabilities
- Special Material Sourcing for Application Specific Assemblies
- High Volume Production Capabilities
- Special Shipping Requirements

Expertly Assembled - Highest Quality Components

SMARTFLOW® Flowmeters
- Mechanical Flowmeters
- Tracer Electronic Flowmeters
- Tracer Switching Flowmeters
- Hot Oil/Water Flow Meter
- Dr. Eddy Flowmeters

SMARTFLOW® Flow Regulators
- Brass Flow Regulators
- Delta Q Flow Regulators

SMARTFLOW® Swap Valves
- Swap Valve (Aluminum & Molded Body)
- Models include check valve & check valve w/locking pin

Quick Connect Couplers
- Plugs 1/4" -1/2" body sizes, male or female NPT
- Max working pressure 200 psi, temps up to 400°F

Quick Connect Plugs
- Plugs 1/4" -1/2" body sizes, male or female NPT
- Max working pressure 200 psi, temps up to 400°F
- Non-valved flow through or valved shut-off styles

Brass Shut-Off Valves
- Standard forged brass ball valves (forged brass)
- Space saving mini ball valves (chrome plated brass)
- Vinyl covered steel lever style handle

Magnetic Bases
- High strength Rare-Earth magnets
- Allows mounting to any metal surface
- Manifold and hose setup matched to mold

NEW Linked Valve™
- Operators can actuate supply and return valves from a single side of manifold assembly
- Available for use on both 1" & 11/2" SMARTFLOW® aluminum manifolds & Plastixs 1" & 11/2" compact stainless steel manifolds
Testimonials

“The Plastixs difference is that they bring their technical knowledge and engineering expertise to each individual application. Every assembly is designed and built to meet or exceed the performance standards demanded by today’s manufacturing environment”

Procurement Manager, global semiconductor manufacturer

“We have had a long and successful relationship with Plastixs. They consistently provide excellent service and support for a wide range of unique products. Plastixs has become an essential part of our team.”

Molding Manager, world leader in consumer packaging

“In my 30-plus years in the plastics industry; using, buying and even manufacturing manifolds in house, this is by far the best set of manifolds we have ever seen. The Plastixs line of manifolds will be the only manifold we will ever use. We will recommend them to our vendors and customers alike.”

General Manager (GM), manufacturer-oil, gas and mining

About Plastixs®

Located in Shrewsbury, Massachusetts, Plastixs® proudly serves customers in a wide range of industries including plastics, semiconductor, medical, chemical, pharmaceutical and food. We specialize in customer water cooling applications.

Our Mission Statement:

Plastixs® is dedicated to providing the process industries with unique products and solutions that create value through increased productivity. Contributing to our customer’s success is our number one priority.