

HiTemp & Xtreme HiTemp Water Manifold Assemblies from Plastixs

With high performance engineered plastics requiring higher mold temperatures to maximize material properties, equipment vendors have responded with high temperature, pressurized, water temperature control units with operating ranges to 392°F (180°C) and 445°F (230°C).

These temperatures, and their corresponding pressure ratings, far exceed the temperature and pressure thresholds of standard steel, brass, aluminum and stainless steel manifolds normally used in the injection molding industry.

Plastixs is the industry leader in manifold and hose solutions for these demanding applications. Plastixs designs, engineers and manufactures HiTemp and Xtreme HiTemp stainless steel manifold assemblies that meet all temperature and pressure requirements for all manufacturers of 320°F, 360°F, 392°F, and 445°F pressurized water temperature control units.

High Temperature & Pressure

Plastixs [HiTemp water manifold](#) assemblies are rated for 400°F and 250 PSI, and the manifolds have been tested to 2500 PSI. Standard manifold assemblies are available with ¾" supply inlet and 3/8" valved outlets fitted with #6 (3/8") JIC fittings.

Plastixs Xtreme HiTemp water manifold assemblies are rated for 450°F and 680 PSI, and the manifolds have been tested to 2500 PSI. Standard manifold assemblies are available with ¾" supply inlet and 1/2" valved outlets fitted with #6 (3/8") JIC fittings.

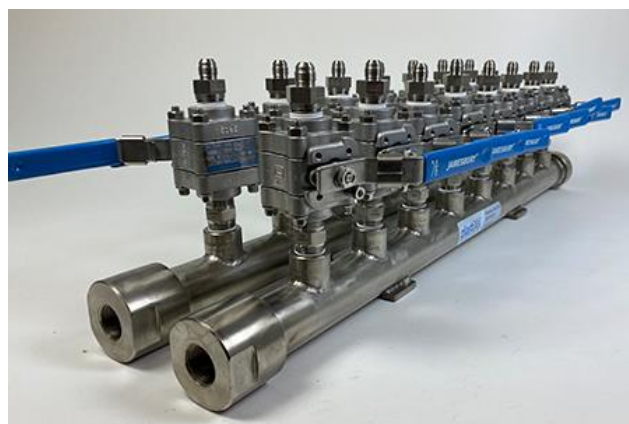
Plastixs [HiTemp and Xtreme HiTemp water manifold assemblies](#) are available in single or parallel (side-by-side) configurations.

Single manifold assemblies are available with center port mounting (generally for mounting on TCUs) or end port mounting (generally for machine mounting). Parallel (side-by-side) manifold assemblies are available with end port mounting.

Plastixs manifold assemblies are fully customizable to meet your specific application requirements, so port size, number of ports, fittings, mounting requirements, and more, can all be customized to suit your needs. For a complete end-to-end solution, Plastixs also provides high temperature, insulated PTFE hoses with matching fittings.



HiTemp Manifold Assembly Parallel Configuration



Xtreme HiTemp Manifold Assembly Parallel Configuration

High Temperature Manifold Comparison

Manifold Types	HiTemp Water	Xtreme HiTemp Water
Max Temp	Up to 400°F	Up to 450°F
Max Pressure	250 PSI	680 PSI
Inlet	3/4" NPT	3/4" NPT
Port Size	3/8" NPT	1/2" NPT
Port Location	Center or End	Center or End
Available Ports	Center: 4, 6, 8 End: 4, 6, 8, 10, 12	Center: 4, 6 End: 4, 6, 8, 10
Notes	Ports assembled with ball valves and JIC fittings	Ports assembled with ball valves and JIC fittings

Features & Benefits of All Models

- Stainless steel construction reduces corrosion and provides a high safety factor
- JIC connections provide leak-free attachment to hoses
- Shut-off valves have locking handles for added safety
- Center port inlets for easy installation directly onto water unit; mounting tabs provided for additional support (as required)
- End port units can be remotely connected, best for machine mounting
- Expertly assembled and fully tested before shipment; guaranteed not to leak for 12 months, if used as intended
- Fully customizable and compact designs to suit your specific requirements
- Easy installation minimizes downtime

- Superior quality and durability maximize production
- Designed for use with Plastixs [HiTemp insulated water hoses](#)

Let Plastixs Help Optimize Your Injection Molding High Temperature Applications

Plastixs has decades of experience helping injection molders keep their molds running hot for demanding engineered resin applications. If you would like to learn more about what Plastixs HiTemp and Xtreme HiTemp manifold assemblies could do for you, [contact us](#) today.

[Contact us to learn more about HiTemp & Xtreme HiTemp manifolds](#)