



A GUIDE TO HiTemp Products

- HiTemp Oil Manifolds
- HiTemp & Xtreme HiTemp Water Manifolds
- HiTemp EPDM Water Hose
- HiTemp Insulated PTFE Hose
- HiTemp Insulated Flexible Metal Hose
- HiTemp Flow Regulators
- HiTemp Water/Oil Flowmeters
- X-PURE Water Supply System

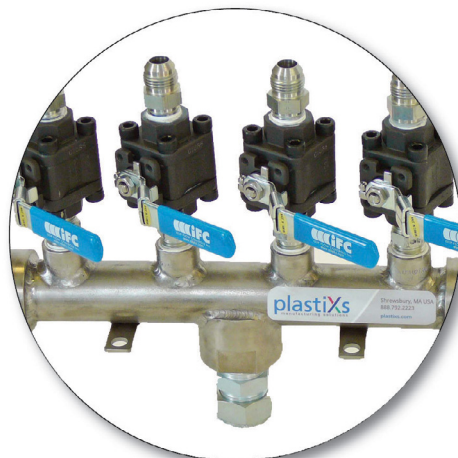
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HiTemp Oil Manifold Assemblies

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Oil Manifold Systems for High Temperature Applications



Features

- All **stainless steel** construction reduces corrosion
- **Mounts directly** onto oil unit or can be remotely connected
- Manifold rated at **550°F, 250 psi**
- **JIC connections** provide leak free assembly
- **Shut-off valves** designed for heat transfer oil up to 550°F with **locking handles** for added safety
- **Configurable**, compact, ready to install design
- **Ideal for injection molding applications**
- Designed for use with [Plastixs HiTemp Insulated Flexible Metal Hose Assemblies](#)

Description

Finding a safe and effective way to distribute high temperature process oil can be a challenge. Plastixs HiTemp Oil Manifold Assemblies are uniquely designed and engineered to meet the demands of high temperature processing where durability and reliability are key. These manifolds are integrated with special corrosion resistant stainless steel components to create a flow management system suitable for a wide range of process applications operating at higher temperatures produced by oil circulating systems. Providing solutions for successful fluid handling has been the foundation of our business for years. We understand the challenges you face. HiTemp will help you handle the heat.

HOC Series HiTemp Oil Manifold Assembly (center inlet)

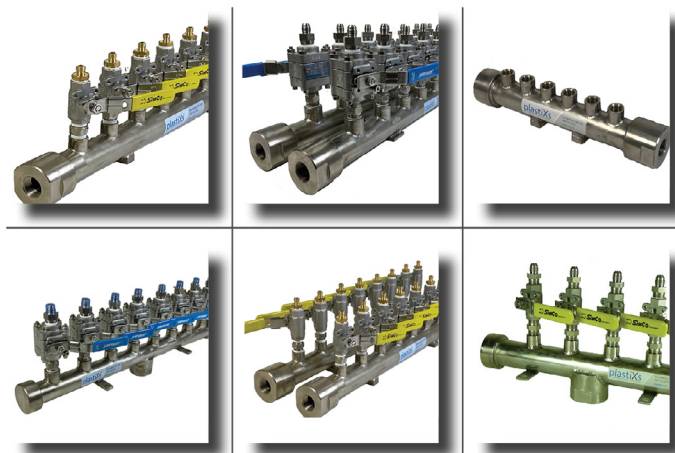
Manifold Specifications	Model PLX-HOC4	Model PLX-HOC6
Inlet Size	1" NPT	1" NPT
Port Size	1/2" NPT	1/2" NPT
No. of Ports	4	6
Overall Length	13"	19"
Rated Working Pressure	250 PSI	250 PSI
Max Temperature Rating	550°F (288°C)	550°F (288°C)



HiTemp & Xtreme HiTemp

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Water Manifold Assemblies for High Temperature Applications



Features

- All **stainless steel** construction reduces corrosion
- **Mounts directly** onto water unit or can be remotely connected
- Available in **single manifold** and **parallel pair** manifolds
- Supports temperatures and pressure up to **400°F, 250 psi (HiTemp)** and **450°F, 680 psi (Xtreme HiTemp)**
- **JIC connections** provide leak free assembly
- **Shut-off valves** with locking handles for added safety
- **Configurable**, compact, ready-to-install design
- Ideal for **injection molding applications**

Description

Finding a safe and effective way to distribute high temperature process water can be a challenge. Higher temperatures can anneal aluminum manifolds eventually causing leaks, and the higher pressures exceed the ratings of many conventional stainless steel manifolds. Plastixs has designed the HiTemp and Xtreme HiTemp Manifold Systems to meet the unique demands of higher temperature processing where reliability, durability and flexibility are of key importance. Corrosion resistant stainless steel components are integrated to create a flow management system suitable for a wide range of process applications operating at higher temperatures and pressures.

Providing solutions for successful fluid handling has been the foundation of our business for years. We understand the challenges you face. HiTemp will help you handle the heat.



HiTemp

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Built to handle the heat.

The Plastixs HiTemp Manifold Assemblies includes:

- HTC/HTE/HTP Series 304 stainless steel manifolds
- 3/8" JIC (M) to 3/8" NPT (M) 316 stainless steel adapter installed in each port
- 3/8" NPT 316 stainless steel full port ball valves/shut-off valves with locking handles installed in each port

HTE Series HiTemp Manifold Assembly (end inlet)



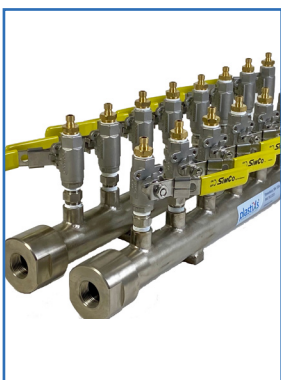
Manifold Specifications	Item# PLX-HTE4-A1	Item# PLX-HTE6-A1	Item# PLX-HTE8-A1
Inlet Size	3/4" NPT	3/4" NPT	3/4" NPT
Port Size	3/8" NPT	3/8" NPT	3/8" NPT
No. of Ports	4	6	8
Overall Length	16"	20-15/16"	26-1/8"
Rated Working Pressure	250 PSI	250 PSI	250 PSI
Max Temperature Rating	400°F (204°C)	400°F (204°C)	400°F (204°C)
Price	\$815.00	\$970.00	\$1,135.00

HTC Series HiTemp Manifold Assembly (center inlet)



Manifold Specifications	Item# PLX-HTC4-A1	Item# PLX-HTC6-A1	Item# PLX-HTC8-A1
Inlet Size	3/4" NPT	3/4" NPT	3/4" NPT
Port Size	3/8" NPT	3/8" NPT	3/8" NPT
No. of Ports	4	6	8
Overall Length	12-7/8"	17-3/8"	23-7/8"
Rated Working Pressure	250 PSI	250 PSI	250 PSI
Max Temperature Rating	400°F (204°C)	400°F (204°C)	400°F (204°C)
Price	\$815.00	\$970.00	\$1,135.00

HTP Series HiTemp Parallel Pair Manifold Assembly



Manifold Specifications	Item# PLX-HTP8-A1	Item# PLX-HTP12-A1	Item# PLX-HTP16-A1
Inlet Size	3/4" NPT	3/4" NPT	3/4" NPT
Port Size	3/8" NPT	3/8" NPT	3/8" NPT
No. of Ports	(2) 4 (8 Total)	(2) 6 (12 Total)	(2) 8 (16 Total)
Overall Length	14-1/2"	18"	23"
Rated Working Pressure	250 PSI	250 PSI	250 PSI
Max Temperature Rating	400°F (204°C)	400°F (204°C)	400°F (204°C)
Price	\$1,560.00	\$1,878.00	\$2,145.00

Xtreme HiTemp

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Built to handle the heat.

The Plastixs Xtreme HiTemp Manifold Assemblies includes:

- XTE/XTC/XTP Series 304 stainless steel manifolds
- 3/8" JIC (M) to 1/2" NPT (M) 316 stainless steel adapters installed in each port
- 1/2" NPT 316 stainless steel full port ball valves/shut-off valves with locking handles installed in each port

XTE Series Xtreme HiTemp Manifold Assembly (end inlet)



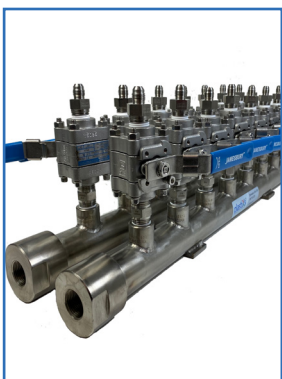
Manifold Specifications	Item# PLX-XTE4-A1	Item# PLX-XTE6-A1	Item# PLX-HTE8-A1
Inlet Size	3/4" NPT	3/4" NPT	3/4" NPT
Port Size	1/2" NPT	1/2" NPT	1/2" NPT
No. of Ports	4	6	8
Overall Length	14-1/2"	20-1/2"	26-1/2"
Rated Working Pressure	680 PSI	680 PSI	680 PSI
Max Temperature Rating	450°F (232°C)	450°F (232°C)	450°F (232°C)
Price	\$1,780.00	\$2,423.00	\$3,127.00

XTC Series Xtreme HiTemp Manifold Assembly (center inlet)



Manifold Specifications	Item# PLX-XTC4-A1	Item# PLX-XTC6-A1	Item# PLX-HTC8-A1
Inlet Size	3/4" NPT	3/4" NPT	3/4" NPT
Port Size	1/2" NPT	1/2" NPT	1/2" NPT
No. of Ports	4	6	8
Overall Length	13-7/8"	19-7/8"	25-7/8"
Rated Working Pressure	680 PSI	680 PSI	680 PSI
Max Temperature Rating	450°F (232°C)	450°F (232°C)	450°F (232°C)
Price	\$1,780.00	\$2,423.00	\$3,127.00

XTP Series Xtreme HiTemp Parallel Pair Manifold Assembly

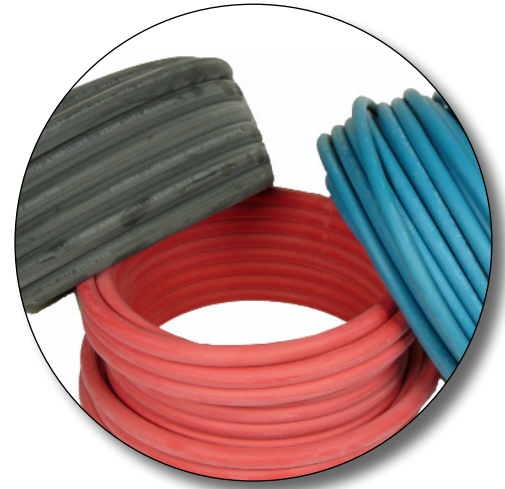


Manifold Specifications	Item# PLX-XTP8-A1	Item# PLX-XTP12-A1	Item# PLX-HTP16-A1
Inlet Size	3/4" NPT	3/4" NPT	3/4" NPT
Port Size	1/2" NPT	1/2" NPT	1/2" NPT
No. of Ports	(2) 4 (Total 8)	(2) 6 (Total 12)	(2) 8 (Total 16)
Overall Length	14-1/2"	20-1/2"	26-1/2"
Rated Working Pressure	680 PSI	680 PSI	680 PSI
Max Temperature Rating	450°F (232°C)	450°F (232°C)	450°F (232°C)
Price	\$3,475.00	\$4,738.00	\$5,995.00

HiTemp EPDM Superflex Hose

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High Temperature EPDM Superflex Industrial Water Hose



Features

- Ideal for **high temperature water lines** for molds
- Service temperature **up to +284°F (+140°C)**
- **Flexible EPDM cover** resists abrasion, ozone, heat and weather
- **Cover design prevents blistering and bubbling**
- **Synthetic textile yarn reinforcement**
- Available in **3/8"**, **1/2"** and **3/4"** ID sizes
- **In stock** for fast delivery
- **Oetiker ear clamps, ferrules and crimper also available**

Description

Plastixs[®] HiTemp EPDM Hose is specially designed for high temperature water in applications such as mold temperature control. The tube is constructed of a smooth antistatic EPDM Nitrosamine-free rubber compound and is reinforced with synthetic textile yarns. Available in blue, red or black, the cover is designed to prevent blistering and bubbling and is resistant to abrasion, ozone, heat, and weather. Sold in standard roll lengths or per foot.



HiTemp EPDM Superflex Hose

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High Temperature EPDM Superflex Industrial Water Hose

Specifications

Cover: Blue, red or black smooth EPDM Nitrosamine-free rubber compound

Reinforcement: Synthetic textile yarns

Tube: Black antistatic smooth EPDM Nitrosamine-free rubber compound

Service Temperature Range: Up to +284°F (+140°C)

Standard Lengths: 164 foot roll (3/8" and 1/2" ID), 98 foot roll (3/4" ID)

Part Number	ID	Color	Working Pressure psi/bar	Roll Length
PLX-HT10Bx50m	3/8"	Blue	215/15	164ft (50m)
PLX-HT10Rx50m	3/8"	Red	215/15	164ft (50m)
TFW10Sx50m	3/8"	Black	215/15	164ft (50m)
PLX-HT13Bx50m	1/2"	Blue	215/15	164ft (50m)
PLX-HT13Rx50m	1/2"	Red	215/15	164ft (50m)
TFW13Sx50m	1/2"	Black	215/15	164ft (50m)
PLX-HT19Bx30m	3/4"	Blue	215/15	98ft (30m)
PLX-HT19Rx30m	3/4"	Red	215/15	98ft (30m)
TFW19Sx30m	3/4"	Black	215/15	98ft (30m)

Purchase online at <https://www.plastixs.com/categories/epdm-water-hoses>

For per foot pricing, email sales@plastixs.com

For quick connect applications, we recommend Plastixs® standard Quick Connect Water Couplers or Series "SC" Quick Couplers with locking security collars.



HiTemp Insulated PTFE Hose Assemblies

PTFE Hose Assemblies for
High Temperature Applications

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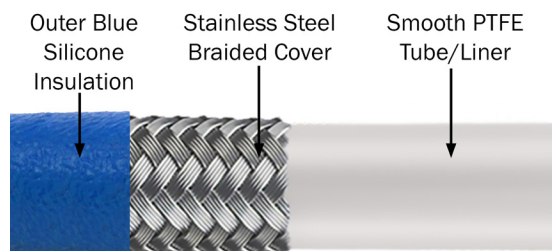
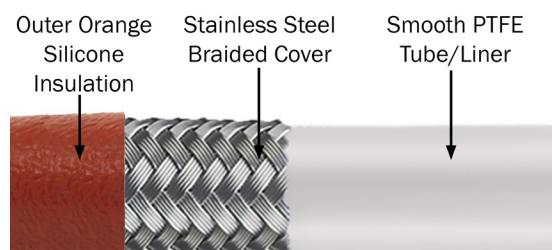


Features

- Ideal for use with [Plastixs HiTemp Manifold Assemblies](#)
- Hose assemblies rated up to **450°F, 1000 PSI**
- **Prevents energy loss** through hoses
- Provides **optimal thermal insulation** in high heat applications
- Protective insulation sleeve **protects employees from burns**
- Insulation sleeve available in **orange or blue silicone**
- Stainless steel female **swivel JIC fittings** on each end
- Available in **2,4,6,8 and 10 foot lengths**

906 SERIES Supply Hoses include 3/8" Fluoropolymer Hose with Stainless Steel Overbraid and Orange or Blue Silicone Protective Insulation Sleeve. Assembled with 3/8" Stainless Steel Female Swivel JIC Fittings on each end.

912 SERIES Remote Hoses include 5/8" Fluoropolymer Hose with Stainless Steel Overbraid and Orange Silicone Protective Insulation Sleeve. Assembled with 3/4" Stainless Steel Female Swivel JIC Fittings on each end.



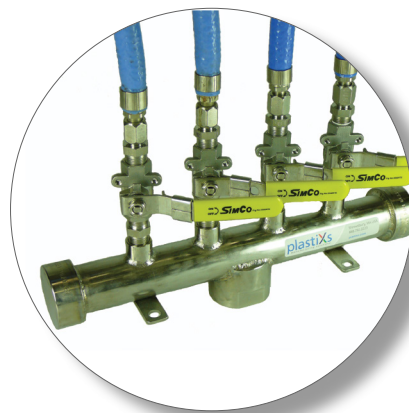
Description

PTFE (Polytetrafluoroethylene) hose assemblies from Plastixs come equipped with stainless steel female swivel JIC fittings on each end. The inner PTFE tube/liner is covered with a stainless steel overbraid and an orange or blue silicone insulation sleeve. Protective insulation sleeve is made of knitted fiberglass yarns in a flexible substrate and then coated with a high grade silicone rubber. Insulation sleeve is resistant to hydraulic fluids, lubricating oils and fuel, and helps prevent energy loss through hoses.



HiTemp Insulated PTFE Hose Assemblies

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Built to handle the heat.

906 Series HiTemp Insulated Supply Hose with orange or blue silicone sleeve

Supply Hose Specifications	PLX-906x24-B PLX-906x24-O	PLX-906x48-B PLX-906x48-O	PLX-906x72-B PLX-906x72-O	PLX-906x96-B PLX-906x96-O	PLX-906x120-B PLX-906x120-O
ID Size	3/8"	3/8"	3/8"	3/8"	3/8"
Length	2 ft (24")	4 ft (48")	6 ft (72")	8 ft (96")	10 ft (120")
Rated Working Pressure	1,000 psi	1,000 psi	1,000 psi	1,000 psi	1,000 psi
Max Temp Rating	450°F (232°C)	450°F (232°C)	450°F (232°C)	450°F (232°C)	450°F (232°C)

912 Series HiTemp Insulated Remote Hose with orange silicone sleeve

Remote Hose Specifications	PLX-912x24-O	PLX-912x48-O	PLX-912x72-O	PLX-912x96-O	PLX-912x120-O
ID Size	5/8"	5/8"	5/8"	5/8"	5/8"
Length	2 ft (24")	4 ft (48")	6 ft (72")	8 ft (96")	10 ft (120")
Rated Working Pressure	1,000 psi	1,000 psi	1,000 psi	1,000 psi	1,000 psi
Max Temp Rating	450°F (232°C)	450°F (232°C)	450°F (232°C)	450°F (232°C)	450°F (232°C)



HiTemp Insulated Flexible Metal Hose Assemblies

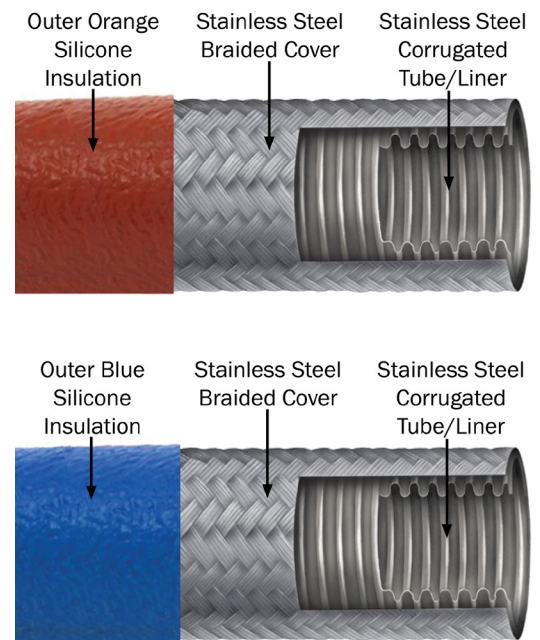
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HiTemp Insulated Flexible Metal Hose Assemblies for High Temperature Applications



Features

- Ideal for use with [Plastixs HiTemp Manifold Assemblies](#)
- Hose assemblies rated up to **600°F, 1000 PSI**
- **All Stainless Steel** construction
 - **Stainless Steel corrugated tube/liner**
 - **Stainless Steel braided cover**
- Insulation sleeve available in **orange or blue silicone**
- Available in **1/2" and 3/8" ID**
- Stainless steel female **swivel JIC fittings** on each end
- **Prevents energy loss** through hoses
- Provides **optimal thermal insulation** in high heat applications
- Protective insulation sleeve **protects employees from burns**
- Available in **1.5, 4, 6, 8 and 10 foot lengths**



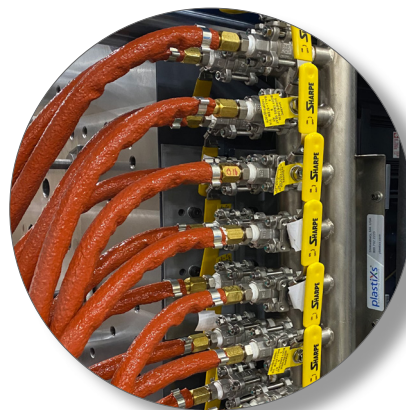
Description

Flexible metal hose assemblies from Plastixs come equipped with stainless steel female swivel JIC fittings on each end. The inner stainless steel corrugated tube/liner is covered with a stainless steel overbraid and an orange or blue silicone insulation sleeve. Protective insulation sleeve is made of knitted fiberglass yarns in a flexible substrate and then coated with a high grade silicone rubber. Insulation sleeve is resistant to hydraulic fluids, lubricating oils and fuel, and helps prevent energy loss through hoses.



HiTemp Insulated Flexible Metal Hose Assemblies

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Built to handle the heat.

3/8" ID HiTemp Insulated Flexible Metal Hose with orange or blue silicone sleeve

Supply Hose Specifications	PLX-FMH6X72-B PLX-FMH6X72-O	PLX-FMH6X96-B PLX-FMH6X96-O	PLX-FMH6X120-B PLX-FMH6X120-O
ID Size	3/8"	3/8"	3/8"
Length	6 ft (72")	8 ft (96")	10 ft (120")
Rated Working Pressure	1,000 psi	1,000 psi	1,000 psi
Max Temp Rating	600°F (315°C)	600°F (315°C)	600°F (315°C)

1/2" ID HiTemp Insulated Flexible Metal Hose with orange or blue silicone sleeve

Supply Hose Specifications	PLX-FMH8X18-B PLX-FMH8X18-O	PLX-FMH8X48-B PLX-FMH8X48-O	PLX-FMH8X72-B PLX-FMH8X72-O	PLX-FMH8X96-B PLX-FMH8X96-O	PLX-FMH8X120-B PLX-FMH8X120-O
ID Size	1/2"	1/2"	1/2"	1/2"	1/2"
Length	1.5 ft (18")	4 ft (48")	6 ft (72")	8 ft (96")	10 ft (120")
Rated Working Pressure	1,000 psi	1,000 psi	1,000 psi	1,000 psi	1,000 psi
Max Temp Rating	600°F (315°C)	600°F (315°C)	600°F (315°C)	600°F (315°C)	600°F (315°C)



SMARTFLOW[®] High Pressure and Temperature Stainless Steel Flow Regulators

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General Description

Smartflow High Pressure and Temperature Stainless Steel Flow Regulators are designed for use in hot water or oil cooling systems up to 400° F (204°C) and 150 psi (10.3 bar).

These regulators are ideal for connection to temperature control units in an injection molding environment. 1/2"NPT(F) threaded ends are standard. Temperature Gauge is optional.

Stainless steel valve seat and high temperature seals provide long, trouble-free service.



Model Number

HFR4 - A - 60

Temperature Gauge

No Temperature Gauge

A

60

With Temperature Gauge

B

220

Flow Range

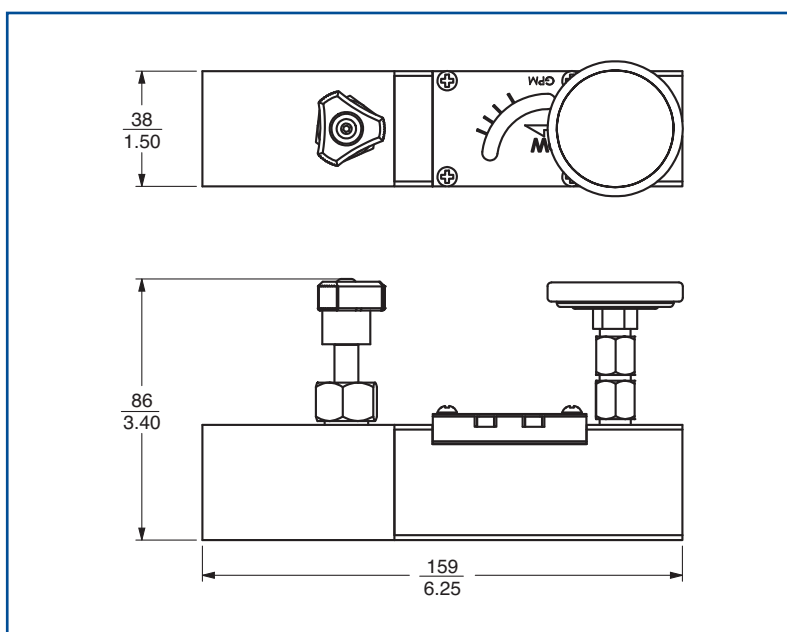
2 - 6 gpm
(gallons per minute)
5 - 22 lpm
(liters per minute)

Wetted Parts and Materials

BodyStainless Steel
Viewing WindowGlass
VaneStainless Steel
SpringStainless Steel
Hinge PinStainless Steel
GasketNon-Asbestos Fiber
MagnetSintered Alnico 8GE
Accuracy.....±10%

Specifications

Operating Temperature max.400°F (204°C)
Operating Pressure max.....150 psi (10.3 bar)
Dual Scale Temperature Gauge.....0° to 600°F
(0° to 300°C)



*Design and specifications are subject to
change without notice.*

SMARTFLOW[®]

HOT OIL/WATER FLOWMETERS


 HF4-B-60
Hot Oil/Water

 HF8-A-40
Hot Oil Only

Distributed by

plastiXs

sales@plastixs.com 888.792.2223

General Description

Smartflow[®] hot oil/water flowmeters are durable, vane-operated devices that provide visual indication of flow rate in gallons per minute. The indicator ball is separated from the process by a high temperature gasket and stainless steel plate. A glass window retains the indicator ball. This flowmeter is designed specifically for high temperature circulating loops in industrial processes.

Features and Benefits

- ◆ **Compact size** works well in restricted-space locations.
- ◆ **Rugged construction** provides years of dependable service.
- ◆ **Optional Temperature Gauge** provides added function.
- ◆ **550°F (288°C) Temperature Rating** allows installation into high temperature applications.
- ◆ **Economical** for use in many locations throughout the plant.
- ◆ **Line mounted** for easy installation without extra brackets or hardware.

Model Number

Model HF4

Stainless steel body with 1/2"NPT connection, suitable for hot oil or pressurized water applications, 2-6gpm scale

Model No.	Temp. Ga.	L x W x H
HF4-A-60	no	3.75 x 1.5 x 1.5"
HF4-B-60	yes	

Model HF8

Carbon steel body (black oxide finish) with 1"NPT connection, suitable for hot oil applications, 5-40gpm scale

Model No.	Temp. Ga.	L x W x H
HF8-A-40	no	4.75 x 2.25 x 2.25"
HF8-B-40	yes	

Wetted Parts and Materials

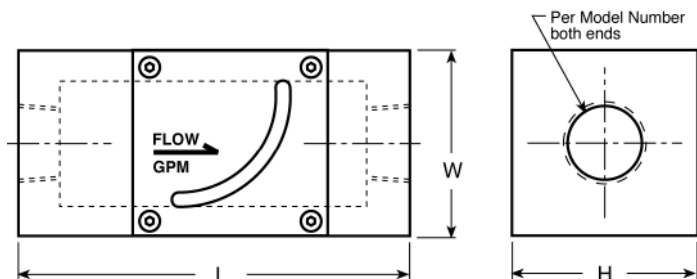
Viewing Window	Glass
Vane	Stainless Steel
Spring	Stainless Steel
Pin	Stainless Steel
Gasket	Non-Asbestos Fiber
Magnet	Sintered Alnico 8HE

Specifications

Operating Temperature	550°F max. (288°C max.)
Pressure	150 psi max. (10.3 bar max.)
Accuracy	±10%

Design and specifications are subject to change without notice.

Dimensions



X-PURE[®] Water Supply System

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Eliminate Contaminants & The Damage They Cause

Plant water used in plastic injection molding facilities can be full of contaminants, including minerals (primarily scale causing calcium). As temperatures and pressure increase in the new generation of high-temperature water circulation units, these contaminants are forced out of the water and “plate out” on molds and machinery. This causes damage and decreases heat transfer, emphasizing the need for these units to operate with clean, distilled water treated for high-temperature operation.

Scale, with a build-up of as little as 1/16" can equal 3-5" of steel in terms of heat transfer resistance. Scale increases roughness and pressure drop and decreases flow through cooling circuits. Scale build-up dramatically increases energy costs for pumping and cooling and reduces productivity, increases cycle time, and causes product defects by not allowing full crystallization of high-temperature materials.



What is X-PURE?

Plastixs[®] developed the X-PURE Water Supply System as a compact and cost-effective solution for eliminating these contaminants by supplying clean, distilled water for use in high-temperature water units. When used as recommended, X-PURE is 100% effective in preventing contaminants from damaging expensive molds and machinery that operate with water at 300°F–450°F.

Water Issues and Contaminants Eliminated by X-PURE:

Tower Systems

- Variable water quality
- Make-up water that brings higher concentration of minerals
- Water treatment for anti-corrosion and biocides that have maximum operating temperature of 280°F

Chiller Systems

- Minerals (calcium) present in water
- Glycol thickens and degrades at its maximum operating temperature of 300°F

Tap Water

- Untreated for equipment protection
- High concentration of dissolved solids

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X-PURE[®] Water Supply System

Product Specifications



Maximum 10-gallon stainless steel tank with supply pump and connection hoses



8-foot connection hoses provided with #8 JIC swivels on the supply hose and #6 JIC swivels on the return hose



Pump is automatically controlled with an integrated pressure switch to provide pressure required for water unit to start up and run



Automatic low water shutdown at 1.5 gallons—indicator lights display Low (1.5 gallons) and High (7.5 gallons) water levels

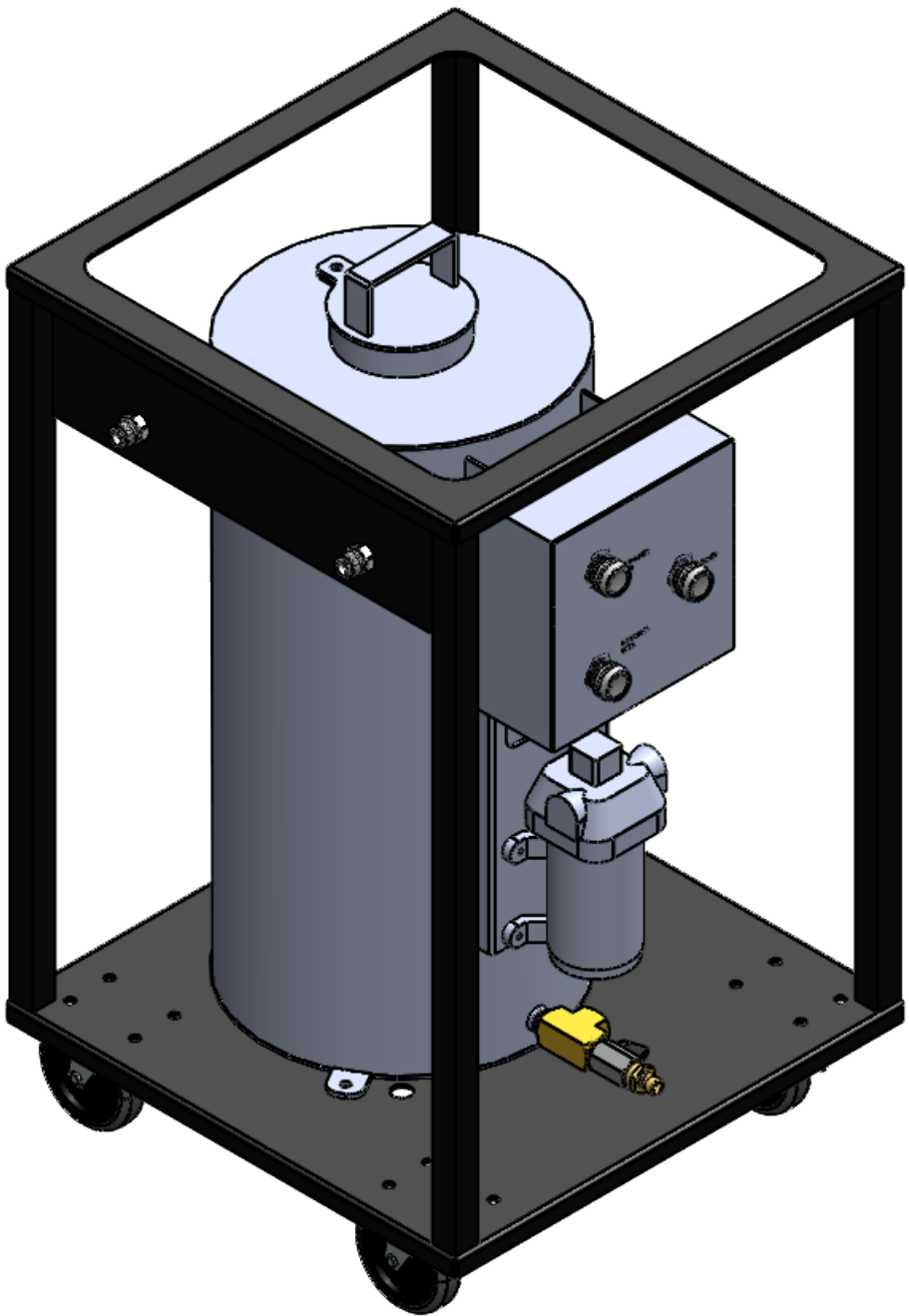
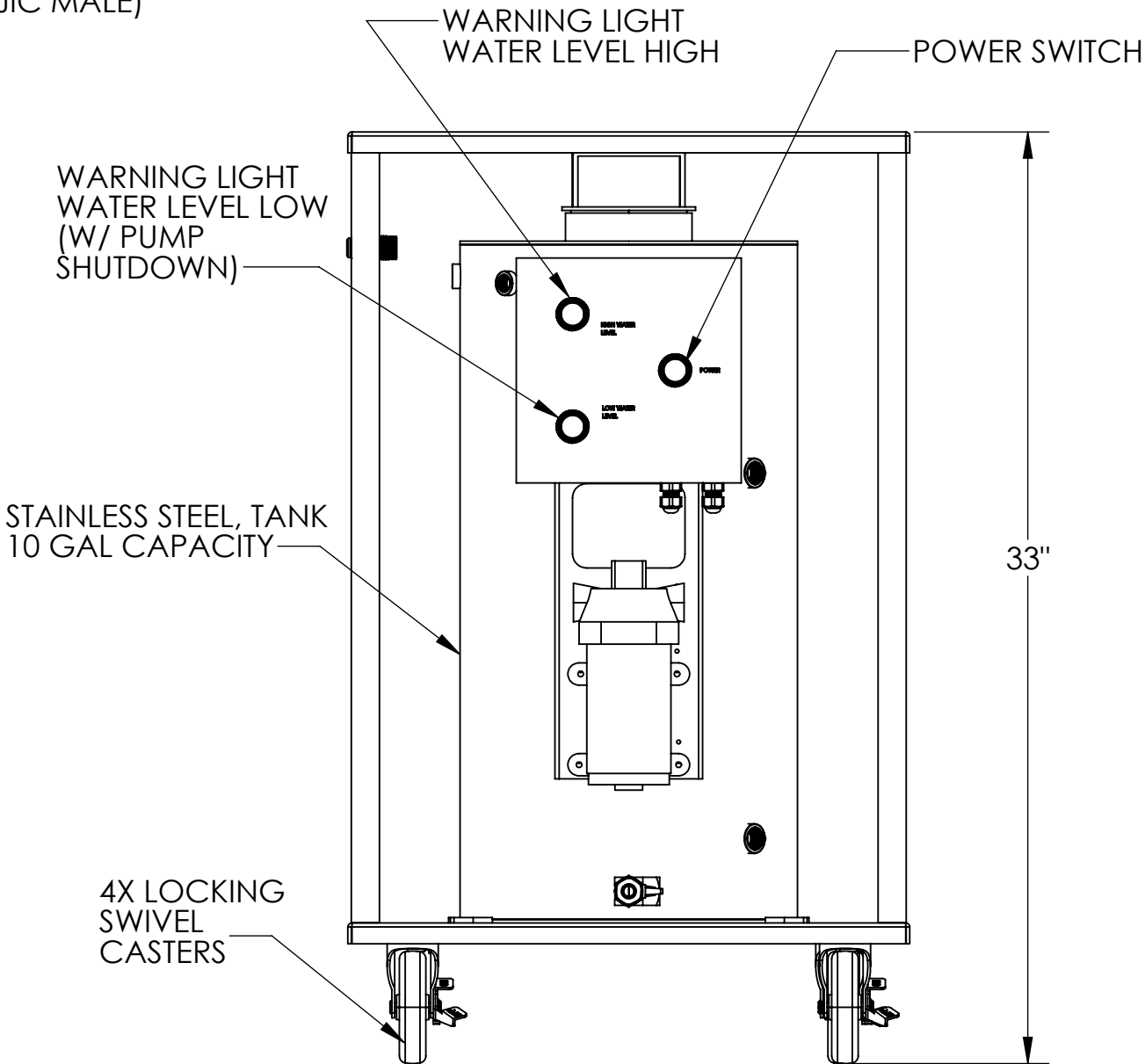
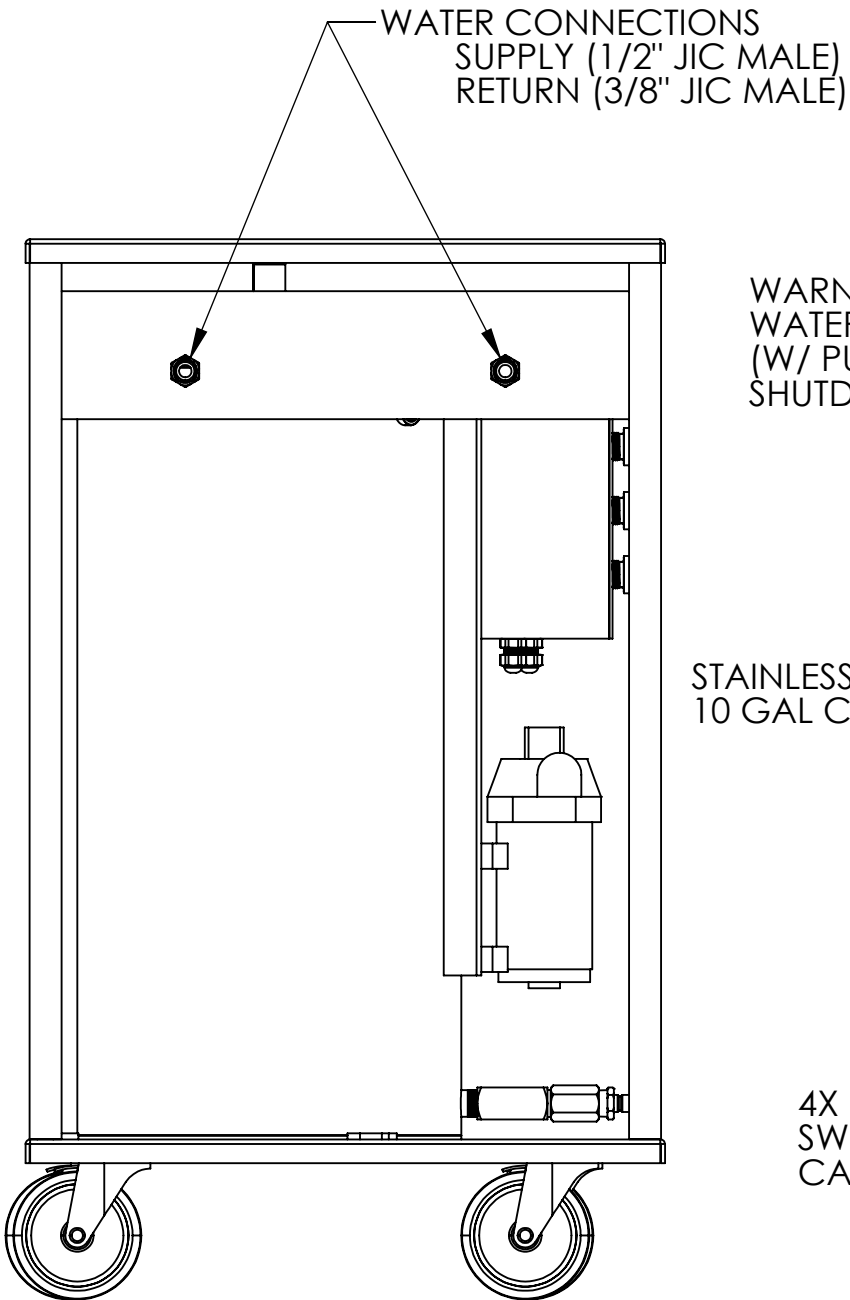
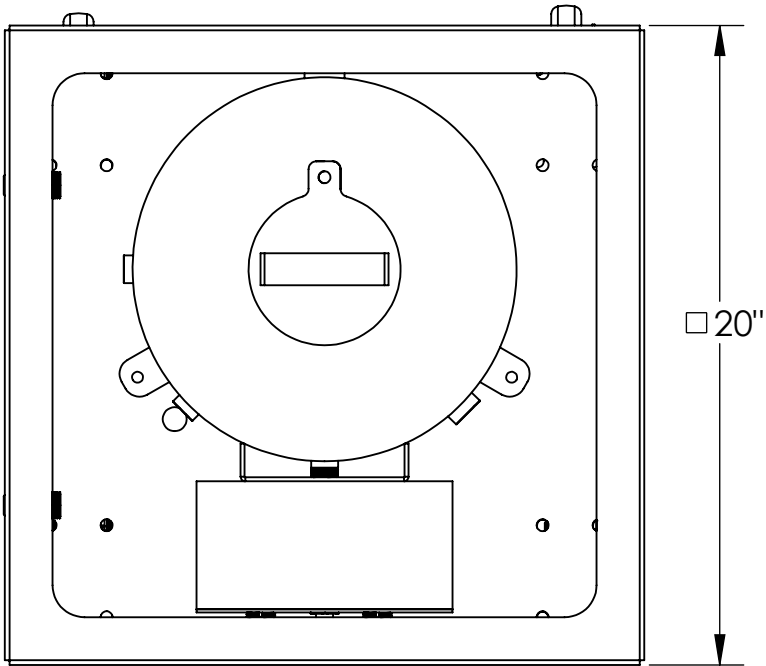


Tank is mounted on a portable cart with locking casters



UL Certified Control Pane





<div>plastiXs</div> <div>151 Memorial Drive Shrewsbury, MA 01545</div>						
DRAWN BY	PJS	DATE	10-30-2019			
TITLE		SYSTEM WATER CART				
MATERIAL		NOTED				
FINISH						
UNLESS OTHERWISE SPECIFIED: 1. TOLERANCES: .XX ± .01 .XXX ± .005 FRACTIONAL ± 1/16 ANGULAR ± 1° 2. BREAK ALL EDGES AND DEBURR COMPLETELY. 3. NO NICKS, GOUGES OR SCRATCHES PERMISSIBLE. 4. ALL DIMENSIONS AND TOLERANCES APPLY AFTER FINISH.			THIRD ANGLE PROJECTION 			
DRAWING NUMBER PLX-DART10.6		DRAWING REVISION A1		SCALE	PAGE 1	OF 1