



High Pressure and Temperature SS Manifold with Flow Meters/Regulators



General Description

Smartflow High Pressure and Temperature Manifolds and Assemblies are designed for use in pressurized hot water or hot oil cooling systems (see specifications for limits).

Smartflow manifolds are ideal for connection to temperature control units in an injection molding environment. The manifolds are available with 3/4", 1" and 1-1/2" inlet sizes (one end only) and ports 1/4" thru 1/2".

Optional Flowmeters and regulators require 1/2" port size to connect with manifolds and are constructed of stainless steel with high temperature seals for corrosion-free operation and long trouble-free service life.

Model Number

Optional Flow Meter/Regulator (1/2" only, omit characters when not used)

<p>8 SSHT - 4 - 4 - 2 -</p> <p>6 3/4"NPT 6B 3/4"BSPP 8 1"NPT 8B 1"BSPP 12 1-1/2"NPT 12B 1-1/2"BSPP</p> <p>Port Quantity 4 6 8</p>	<p>Port Sizes</p> <p>2 1/4"NPT 2B 1/4"BSPP 3 3/8"NPT 3B 3/8"BSPP 4 1/2"NPT 4B 1/2"BSPP</p>	<p>HFR4 - A - 60 - NA - R</p> <p>Flow Rate 60 6 GPM 220 22 LPM</p> <p>Optional Temperature Gauge A No Temp. Gauge B Includes Temp. Gauge</p>	<p>Function</p> <p>R Return fluid flow through flowmeter enters the manifold (default) S Supply fluid flow through flowmeter exits the manifold</p> <p>Optional Flow Meter/Regulator (1/2" only) Omit additional part number characters at this point if no meters/regulators are needed. High Temperature Flowmeter High Temperature Flow Regulator</p>
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Design and specifications are subject to change without notice.
See page 19 for manifold testing and use.

Specifications

Manifold

Material..... Stainless Steel

Operating Limits

450°F (232°C) at 450psi (31bar)

600°F (315°C) at 100psi (6.9bar)

Optional Flowmeters

Material..... Stainless Steel

Viewing Window..... Glass

Vane..... Stainless Steel

Spring..... Stainless Steel

Pin..... Stainless Steel

Gasket..... Non-Asbestos Fiber

Magnet..... Sintered Alnico 8GE

Accuracy..... ±10%

Flow Rate..... 6 GPM or 22 LPM

Optional Flow Regulators

Material..... Stainless Steel

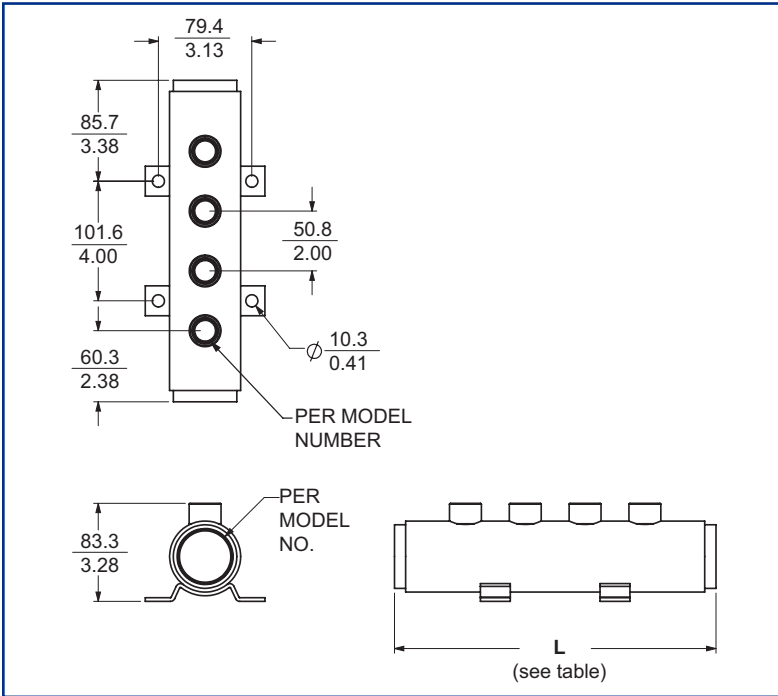
O-Rings..... Viton

CAUTION

Potential for personal injury exists in application of this product. Appropriate thread sealant hoses and fittings must be used with high pressure and temperature manifolds.

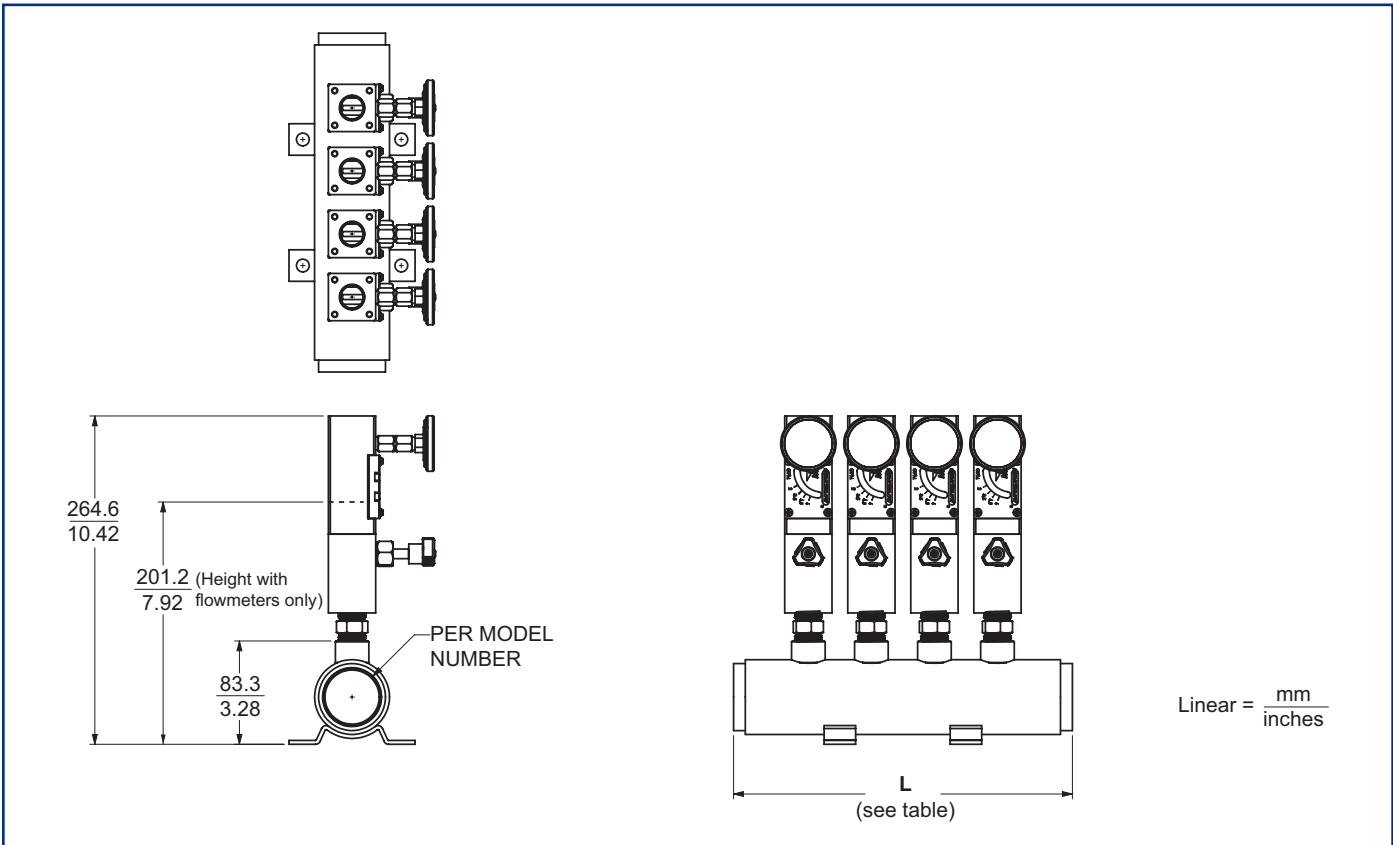
Operating temperature and pressure limits of flow regulators must not be exceeded in application of a manifold assembly.

Dimensions (Manifold Only)



Manifold Length	
Port Qty	"L" Dimension
4	273.0mm
	10.75"
6	374.6mm
	14.75"
8	476.3mm
	18.75"

Dimensions (Manifold with Flow Regulators)



Linear = $\frac{\text{mm}}{\text{inches}}$