

SMARTFLOW[®] 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 1" and 1-1/2" inlet sizes (one end only) and 1/2" ports. Optional Flowmeters and regulators 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)

8 SSHT - 4 - 4 - 2 - HFR4 - A - 60 - NA - R

Supply Threads
one end only

8	1"NPT
8B	1"BSPP
12	1-1/2"NPT
12B	1-1/2"BSPP

Port Sizes

2	1/4"NPT
2B	1/4"BSPP
3	3/8"NPT
3B	3/8"BSPP
4	1/2"NPT
4B	1/2"BSPP

Port Quantity

4
6
8

Flow Rate

60	6 GPM
220	22 LPM

Function

R	Return fluid flow through flowmeter enters the manifold (default)
S	Supply fluid flow through flowmeter exits the manifold

Optional Temperature Gauge

A	No Temp. Gauge
B	Includes Temp. Gauge

Optional Flow Meter/Regulator (1/2" only)
Omit additional part number characters at this point if no meters/regulators are needed.

HF4	High Temperature Flowmeter
HFR4	High Temperature Flow Regulator

Specifications

Manifold
MaterialStainless Steel
Operating Limits...450°F (232°C) at 450psi (31bar)
600°F (315°C) at 100psi (6.9bar)

Optional Flowmeters
MaterialStainless Steel
Viewing WindowGlass
VaneStainless Steel
SpringStainless Steel
PinStainless Steel
GasketNon-Asbestos Fiber
MagnetSintered Alnico 8GE
Accuracy±10%
Flow Rate6 GPM or 22 LPM

Optional Flow Regulators
MaterialStainless Steel
O-RingsViton

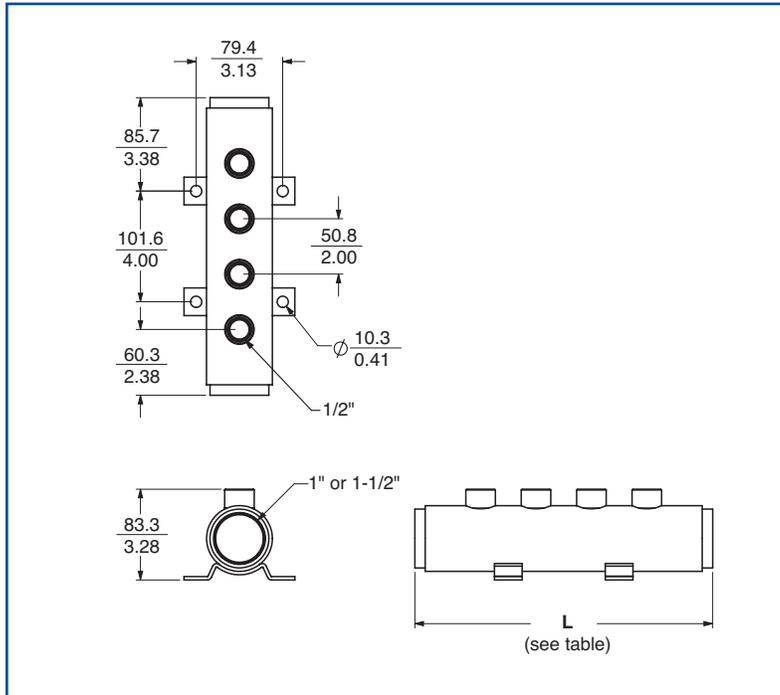
CAUTION

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.

Design and specifications are subject to change without notice. See page 19 for manifold testing and use.

SMARTFLOW® High Pressure and Temperature SS Manifold with Flow Meters/Regulators

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)

