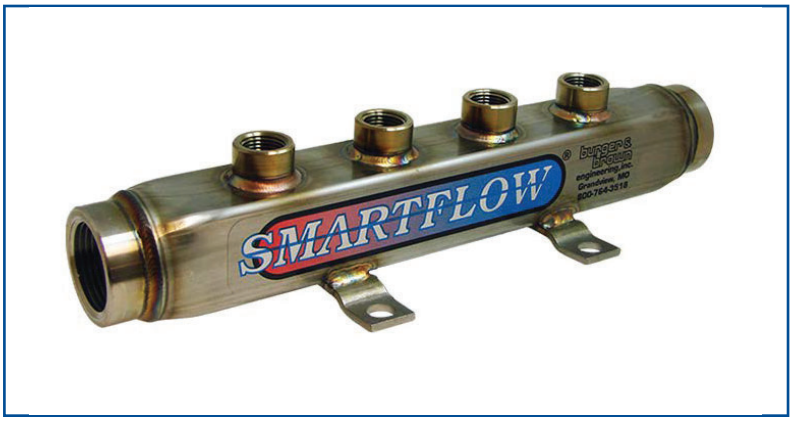
SMARTFLOW® Stainless Steel Manifolds with Conventional Ports



General Description

Smartflow® stainless steel manifolds are formed and welded from 304 stainless steel. The manifolds are 100% leak tested for quality assurance before shipping.

Smartflow stainless steel manifolds are excellent for high-flow applications where chemical compatibility and corrosion-resistance are important. Manifold bodies are made from 1-1/2" or 2" square tube to allow maximum flow. Custom modifications are easily handled to provide the exact configuration you need.

Specifications

Material.....304 Stainless Steel
Temperature Rating.....up to 250°F (121°C)
Maximum Working Pressure Ratings
Gas (air, inert gas) .....125 psi
Liquid (oil, water, benign fluids) .....250 psi

Assembly

Smartflow® stainless steel manifolds are the platform for control of cooling water lines in many types of industrial process cooling. Flowmeters, Flow Regulators, Ball Valves, Quick Disconnect Fittings and more can be added to the manifolds to improve functionality and process control. See page 12 for ordering information.

Flowmeters and flow regulators are customarily assembled onto one side of parallel manifolds with flow direction into the return side of the manifold.

Model Number

8 SS - 16 - 2 - 2 - A

Supply Threads
1"NPT **8**
1"BSPP **8B**
1-1/2"NPT **12**
1-1/2"BSPP **12B**

Manifold Styles
Single **SS**
Parallel **PSS**

4 to 32 **Total Number of Ports**

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
6 *3/4"NPT
6B *3/4"BSPP

*76.2mm/3.0" port spacing

ManifoldBuilder

On-Line Part Number Specification Assistance

3D Native CAD files for manifolds and assemblies are available for download 24/7 at

www.manifoldbuilder.com

Contact your distributor for custom manifolds.

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

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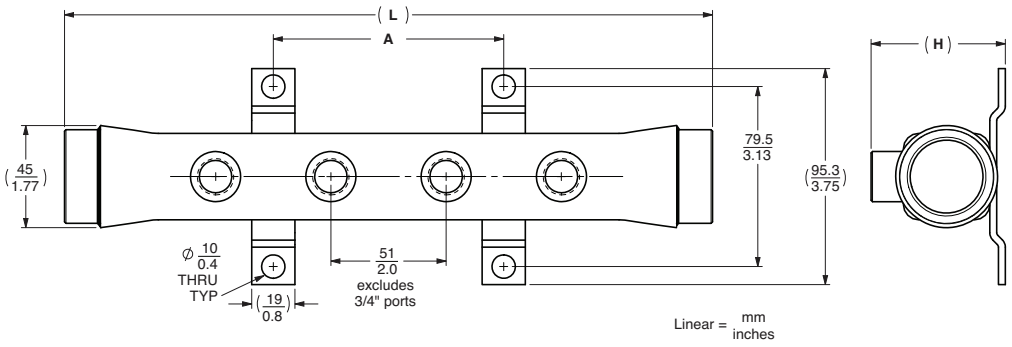
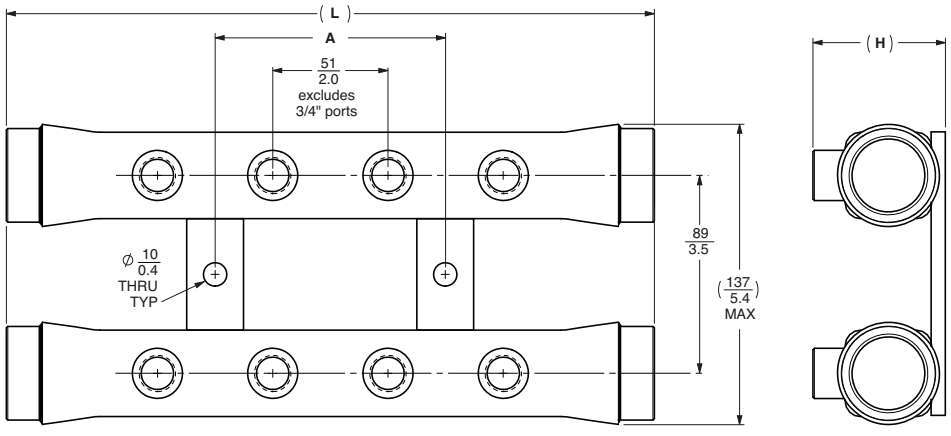
Model Numbers and Dimensions (3/8" & 1/2" ports only)

	Single Manifolds	Parallel Manifolds	Dimension A	Dimension L	Dimension H
1" Inlet	8SS - 4 - ❑ - 2 - A	8PSS - 8 - ❑ - 2 - A	102mm / 4"	286mm / 11.25"	64mm 2.5" max.
	8SS - 6 - ❑ - 2 - A	8PSS - 12 - ❑ - 2 - A	203mm / 8"	387mm / 15.25"	
	8SS - 8 - ❑ - 2 - A	8PSS - 16 - ❑ - 2 - A	305mm / 12"	489mm / 19.25"	
	8SS - 10 - ❑ - 2 - A	8PSS - 20 - ❑ - 2 - A	406mm / 16"	591mm / 23.25"	
	8SS - 12 - ❑ - 2 - A	8PSS - 24 - ❑ - 2 - A	508mm / 20"	692mm / 27.25"	
	8SS - 14 - ❑ - 2 - A	8PSS - 28 - ❑ - 2 - A	610mm / 24"	794mm / 31.25"	
	8SS - 16 - ❑ - 2 - A	8PSS - 32 - ❑ - 2 - A	711mm / 28"	895mm / 35.25"	
1-1/2" Inlet	12SS - 4 - ❑ - 2 - A	12PSS - 8 - ❑ - 2 - A	102mm / 4"	299mm / 11.75"	76mm 3" max.
	12SS - 6 - ❑ - 2 - A	12PSS - 12 - ❑ - 2 - A	203mm / 8"	400mm / 15.75"	
	12SS - 8 - ❑ - 2 - A	12PSS - 16 - ❑ - 2 - A	305mm / 12"	502mm / 19.75"	
	12SS - 10 - ❑ - 2 - A	12PSS - 20 - ❑ - 2 - A	406mm / 16"	603mm / 23.75"	
	12SS - 12 - ❑ - 2 - A	12PSS - 24 - ❑ - 2 - A	508mm / 20"	705mm / 27.75"	
	12SS - 14 - ❑ - 2 - A	12PSS - 28 - ❑ - 2 - A	610mm / 24"	806mm / 31.75"	
	12SS - 16 - ❑ - 2 - A	12PSS - 32 - ❑ - 2 - A	711mm / 28"	908mm / 35.75"	

❑ = port thread size [3 = 3/8"NPT(F) or 4 = 1/2"NPT(F)]
3/4" ports require special consideration. Contact the factory for dimensions.



Single Manifold



Parallel Manifold

Dimensions shown are for manifolds with NPT threads only. Contact the factory for manifold dimensions with BSPP threads.