

MARTFLOW Aluminum Manifolds

General Description

Smartflow aluminum manifolds are constructed from unique extruded material, precision machined, then anodized for corrosion protection. Many manifold sizes are stocked, however custom manifolds can be made to your specifications.

Standard red and blue colors denote supply and return for cooling water lines. 3/4", 1", and 1-1/2" manifolds are equipped with dovetail feature, pre-drilled mounting holes, and bolts for ease in pairing and installation. Each manifold with NPT threads includes one bronze end plug.

Features and Benefits

- One-Piece Extruded Aluminum Construction is lightweight with long-lasting durability.
- Quality Anodizing protects the manifolds from corrosion and signifies manifold function.
- Different Port Size Options provide connection flexibility.
- Bronze End Plug is included for customer convenience (NPT only).
- Pre-Drilled Mounting Holes make the manifolds ready to install.
- 3/4 thru 1-1/2 manifolds dovetail together for ease in mounting.
- Common Manifold Configurations Stocked to provide quick delivery.

Specifications

Material	Aluminum (6000 Series)
Max. Pressure	150 psi (10 bar)
Max. Temperature	300°F (149°C)
Anodizing	Mil Spec Type II Class 2
Standard Colors	Red, Blue
Optional Colors	Black, Green, Gold, Clear

Assembly

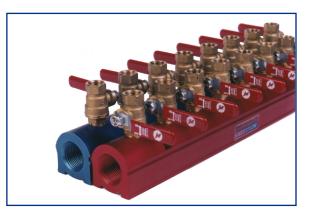
Smartflow aluminum manifolds are the platform for control of cooling water lines in most types of industrial process cooling. Injection molding is one example and our particular area of expertise. Flowmeters, Flow Regulators, Ball Valves, Quick Disconnect Fittings and more can be added to the manifolds to improve functionality and process control. See page 12 for ordering information.

Custom Manifolds

Special ports sizes and locations are possible with Smartflow aluminum manifolds. All fabrication is done from extruded material at our factory in Kansas City. Contact your distributor for price and delivery on custom manifolds.

> 3D CAD Data is available on demand at *www.MANIFOLDBUILDER.com*







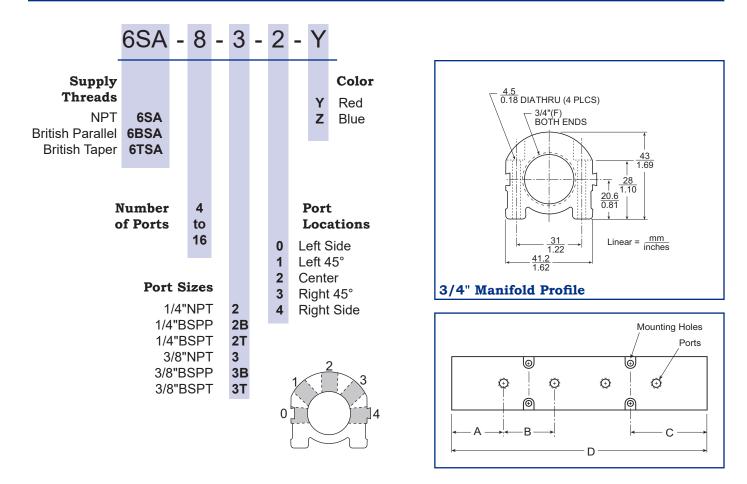




Plastixs

MARTFLOW 3/4" Aluminum Manifolds

Model Number (manifold only, see page 12 to add port valves, quick connects and flowmeters)



Stocked 3/4" Manifolds										
Number of Ports	$\Delta = 38 1 \text{mm}/15^{"} \text{B} = 38 1 \text{mm}/15^{"} \text{I}$				3/8" Ports A = 38.1mm/1.5", B = 50.8mm/2.0" C = 63.5mm/2.5"					
			length (D) weight each		model number	length (D)		weight each		
	model number	mm	in.	kg	lbs.	model number	mm	in.	kg	lbs
4	6SA-4-2-2	190	7.5	0.5	1.1	6SA-4-3-2	229	9	0.6	1.4
6	6SA-6-2-2	267	10.5	0.7	1.6	6SA-6-3-2	330	13	0.9	2.0
8	6SA-8-2-2	343	13.5	0.9	2.0	6SA-8-3-2	432	17	1.2	2.6

Contact your distributor for custom manifolds.

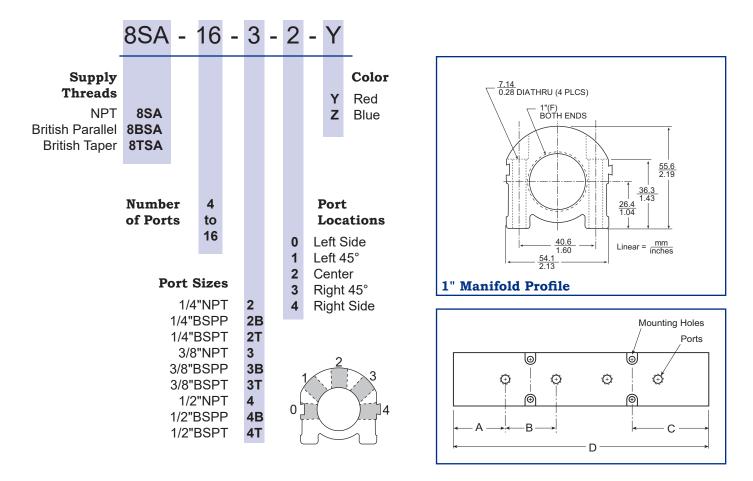
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Design and specifications are subject to change without notice. See page 19 for manifold testing and use. Galvanic corrosion may occur in anodized aluminum components when installed in electrical connection with more noble metals such as copper. Use appropriate installation practices.



ARTFLOW 1" Aluminum Manifolds

Model Number (manifold only, see page 12 to add port valves, quick connects and flowmeters)



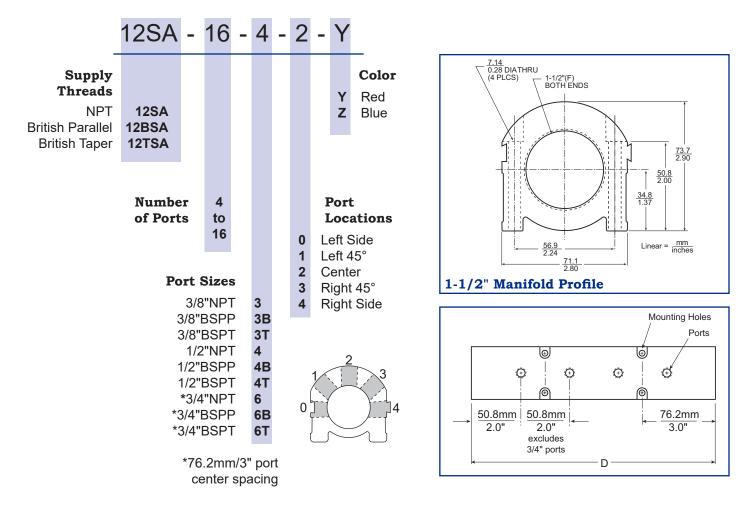
Stocked 1" Manifolds										
Number of Ports	$\Delta = 38 1 \text{mm}/1.5^{"} \text{B} = 38 1 \text{mm}/1.5^{"} \text{Imm}/1.5^{"}$				3/8" Ports A = 38.1mm/1.5", B = 50.8mm/2.0" C = 63.5mm/2.5"					
	model number	lengt	length (D) weight each		t each	model number	length (D)		weight each	
	model number	mm	in.	kg	lbs.	model number	mm	in.	kg	lbs.
4	8SA-4-2-2	190	7.5	0.9	2.0	8SA-4-3-2	229	9	1.1	2.4
6	8SA-6-2-2	267	10.5	1.3	2.8	8SA-6-3-2	330	13	1.6	3.5
8	8SA-8-2-2	343	13.5	1.6	3.6	8SA-8-3-2	432	17	2.1	4.6
10	8SA-10-2-2	419	16.5	2.0	4.5	8SA-10-3-2	533	21	2.6	5.7
12	8SA-12-2-2	495	19.5	2.4	5.3	8SA-12-3-2	635	25	3.1	6.8
16	8SA-16-2-2	648	25.5	3.1	6.9	8SA-16-3-2	838	33	4.0	8.9

Contact your distributor for custom manifolds.

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ARTFLOW) 1-1/2" Aluminum Manifolds

Model Number (manifold only, see page 12 to add port valves, quick connects and flowmeters)



Stocked 1-1/2" Manifolds									
Number of Ports	1/2" Ports								
	model number	lengt	weigh	nt each					
	model number	mm	in.	kg	lbs.				
4	12SA-4-4-2	254	10	2.0	4.4				
6	12SA-6-4-2	356	14	2.8	6.2				
8	12SA-8-4-2	457	18	3.6	7.9				
10	12SA-10-4-2	559	22	4.4	9.7				
12	12SA-12-4-2	660	26	5.1	11.4				
16	12SA-16-4-2	864	34	6.7	15.0				

Contact your distributor for custom manifolds.

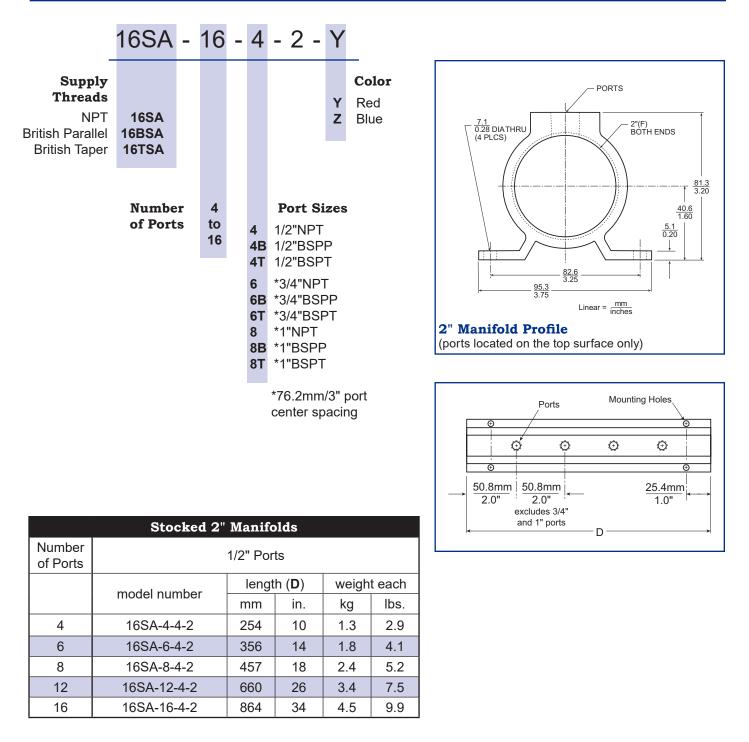
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OBEIUS Company



MARTFLOW 2" Aluminum Manifolds

Model Number (manifold only, see page 12 to add port valves, quick connects and flowmeters)



Contact your distributor for custom manifolds.

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