SMARTFLOW DUOFLOW[®] Aluminum Manifolds

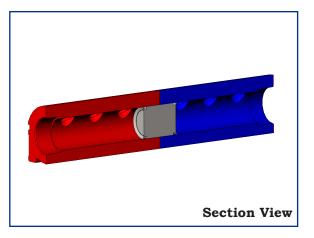


General Description

Smartflow Duoflow Manifolds are robust extruded aluminum joined together by a stainless steel center plug. Red and blue color anodizing protects the manifolds from corrosion and denotes supply or return function. No end plug is needed.

The Duoflow design provides a shorter footprint specifically for mounting a manifold directly to an injection mold, or where space is limited. Port spacing is narrow for installation of hose barbs or quick disconnect fittings only. Custom manifolds are needed if ball valves will be installed.

Tool change time is significantly decreased by mounting manifolds directly to molds in storage. Water hookup is simplified to "Supply" and "Return" lines versus individual water lines for every circuit.



Features and Benefits

- Shorter Length for easier mounting directly to injection molds
- Mold-Mount to speed mold changes
- Economical, Proven Design for reliability
- Optional Quick Disconnect Fittings for convenience and ease of installation
- ◆ Supports Scientific CoolingsM through consistent, repeatable water connections

Specifications

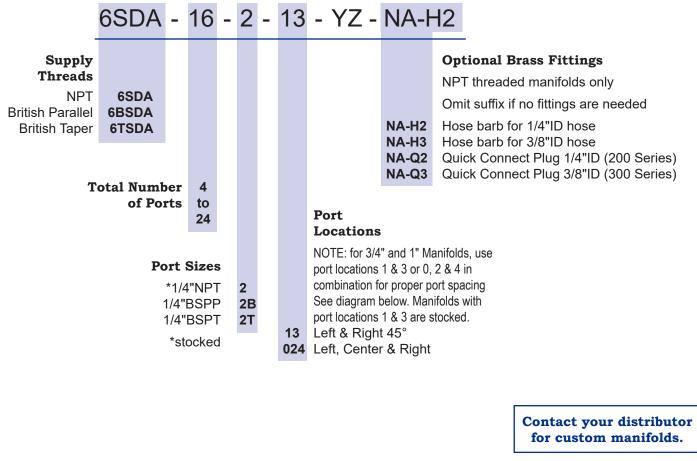
Inlet Sizes
NPT(F) standard
British threads optional
Port Sizes
NPT(F) standard
British threads optional
Contact the factory for special
machining requirements
Operating Pressure max150 psi (10 bar)
Operating Temperature max210°F (99°C)
Body Material Anodized Aluminum
Divider Stainless Steel
O-RingsEPDM

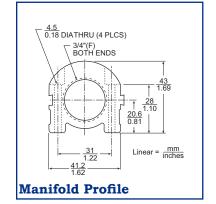
Galvanic corrosion may occur in anodized aluminum components when installed in electrical connection with more noble metals such as copper. Use appropriate installation practices to prevent corrosion.

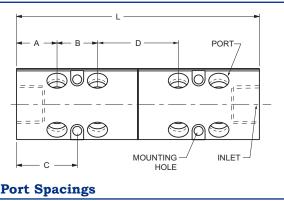
Design and specifications are subject to change without notice. See page 19 for manifold testing and use.

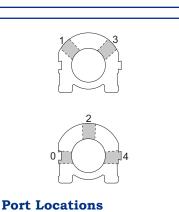
ARTFLOW) 3/4" DUOFLOW® Aluminum Manifolds

Model Number





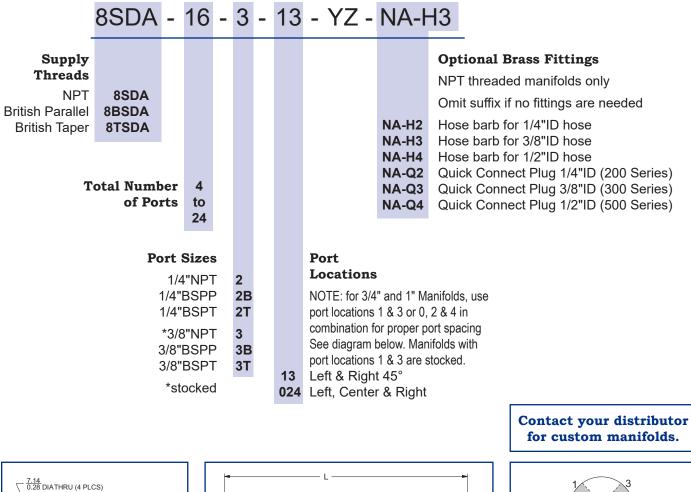


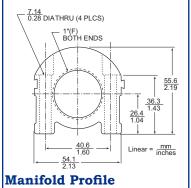


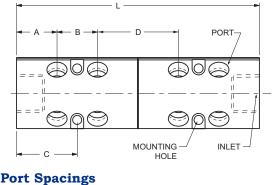
Stocked 3/4"NPT Manifolds											
Model Number	Port	Total	Ports	Α	вС		D	Length L		Weight	
(without brass fittings)	Size	Ports	Per End		В	C	D	mm	in.	kg	lbs.
6SDA- 8-2-13-YZ	1/4"NPT	8	4	25 4 100 100	25.4mm	38mm 1.5"	50.8mm 2"	152	6	.5	1.1
6SDA-12-2-13-YZ		12	6	25.4mm	25.4mm 1"			203	8	.6	1.4
6SDA-16-2-13-YZ		16	8					254	10	.8	1.7

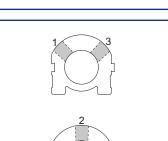
RTFLOW) 1" DUOFLOW® Aluminum Manifolds

Model Number









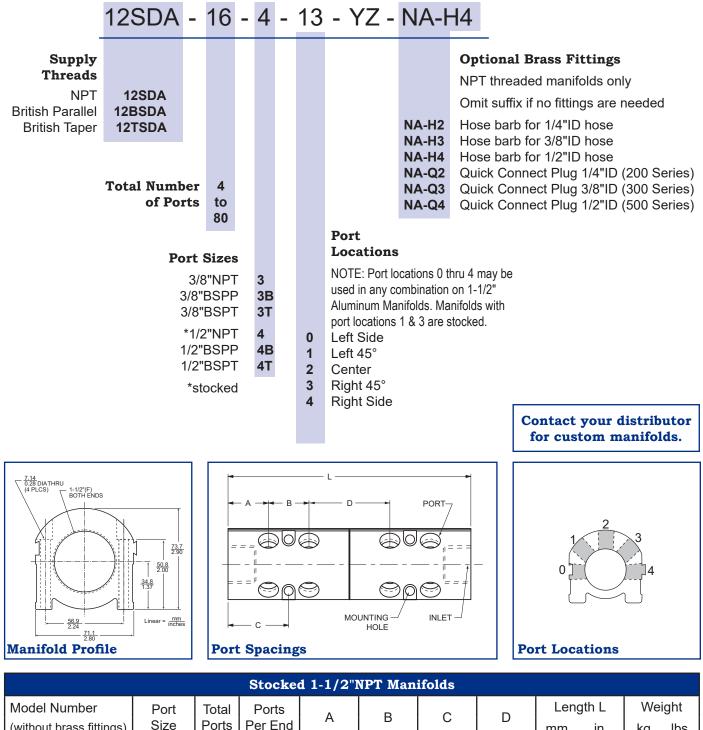
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Port Locations

Stocked 1"NPT Manifolds												
Model Number	Port	Total	Ports	А В С		с	СД		Length L		Weight	
(without brass fittings)	Size	Ports Per End	A	D		U	mm	in.	kg	lbs.		
8SDA- 8-3-13-YZ		8	4	32mm	32mm	47.6mm	57 0mm	184	7.25	1.1	2.4	
8SDA-12-3-13-YZ	3/8"NPT	12	6	1.25"	1.25"	1.875"	57.2mm 2.25"	248	9.75	1.4	3	
8SDA-16-3-13-YZ		16	8					311	12.25	1.7	3.7	

RTFLOW) 1-1/2" DUOFLOW® Aluminum Manifolds

Model Number



	Port		Pons	A	В	С	D	Lengui L		Vergin	
(without brass fittings)	Size		Per End					mm	in.	kg	lbs.
12SDA- 8-4-13-YZ	1/2"NPT	8	4	44.5mm	38mm 1.5"	63.5mm 2.5"	63.5mm 2.5"	229	9	2.2	4.9
12SDA-12-4-13-YZ		12	6					305	12	2.8	6.2
12SDA-16-4-13-YZ		16	8	1.75				381	15	3.4	7.5