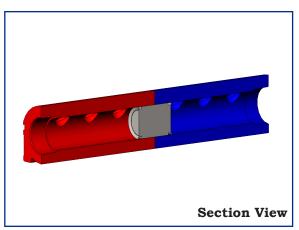


SMARTFLOW DUOFLOW® Aluminum Manifolds





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	3/4", 1" or 1-1/2"
	NPT(F) standard
I	British threads optional
Port Sizes	1/4", 3/8" & 1/2"
	NPT(F) standard
I	British threads optional
Contac	t the factory for special
m	nachining requirements
Operating Pressure max	150 psi (10 bar)
Operating Temperature ma	ax210°F (99°C)
Body Material	Anodized Aluminum
Divider	Stainless Steel
O-Rings	EPDM

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.

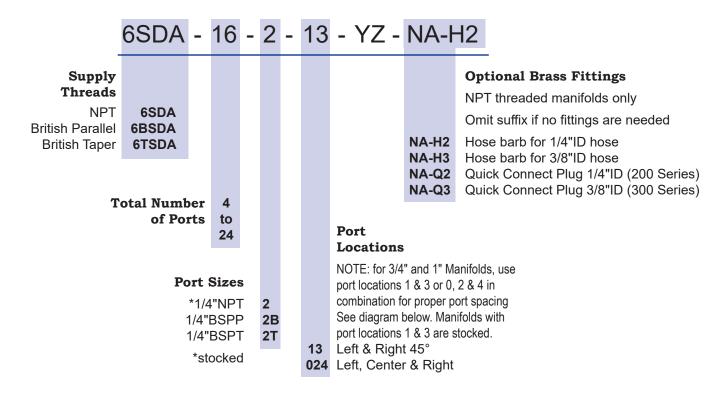
Design and specifications are subject to change without notice. See page 19 for manifold testing and use.



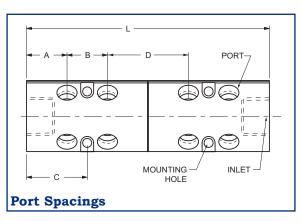


3/4" DUOFLOW® Aluminum Manifolds

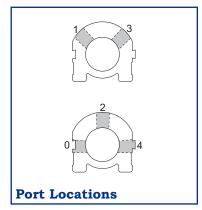
Model Number



4.5 0.18 DIATHRU (4 PLCS) 3/4"(F) BOTH ENDS 43 1.69 20.6 1.10 0.81 Linear = mm inches



Contact your distributor for custom manifolds.



Stocked 3/4"NPT Manifolds												
Model Number	Port	Total Ports		A	В	С	D	Length L		Weight		
(without brass fittings)	Size	Ports	Per End		ט	C	D	mm	in.	kg	lbs.	
6SDA- 8-2-13-YZ		8	4	0F 4mm	25 4	20,000	E0 0mm	152	6	.5	1.1	
6SDA-12-2-13-YZ	1/4"NPT	12 12 16	6	25.4mm 1"	25.4mm	38mm 1.5"	50.8mm 2"	203	8	.6	1.4	
6SDA-16-2-13-YZ			8		'			254	10	.8	1.7	



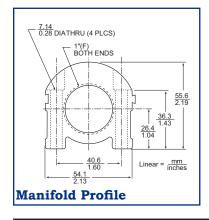


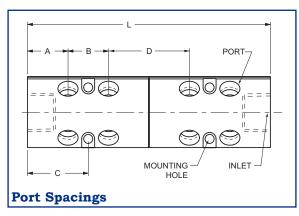
1" DUOFLOW® Aluminum Manifolds

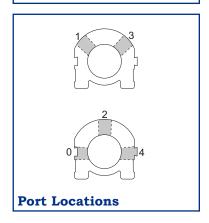
Model Number

	8SDA	-	16	-	3	-	13	- YZ -	NA-H	13			
Supply Threads NPT British Parallel British Taper	8SDA 8BSDA 8TSDA								NA-H2 NA-H3 NA-H4	Optional Brass Fittings NPT threaded manifolds only Omit suffix if no fittings are needed Hose barb for 1/4"ID hose Hose barb for 3/8"ID hose Hose barb for 1/2"ID hose			
Т	otal Numb of Poi		4 to 24						NA-Q2 NA-Q3 NA-Q4				
	1	1/4" /4" 1/4" *3/8 3/8" 3/8"	Sizes I"NPT BSPF BSPT BSPF BSPF BSPF	-	Port Locations NOTE: for 3/4" and 1" Manifolds, use port locations 1 & 3 or 0, 2 & 4 in combination for proper port spacing See diagram below. Manifolds with port locations 1 & 3 are stocked. Left & Right 45° Left, Center & Right								

Contact your distributor for custom manifolds.







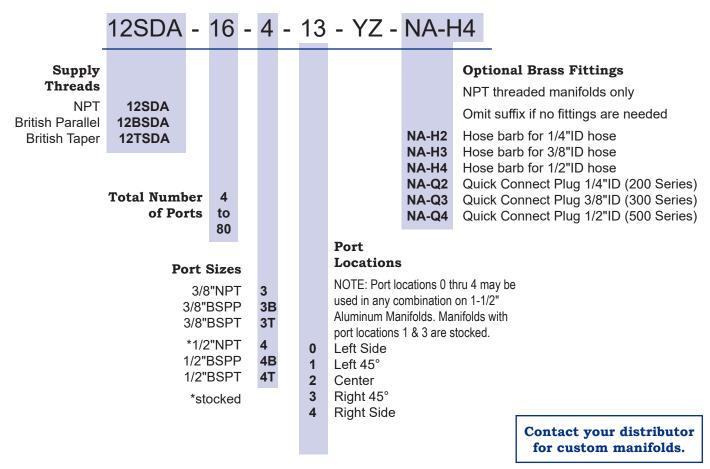
Stocked 1"NPT Manifolds											
Model Number	Port	Total	Ports	_	В	С	_	Length L		Weight	
(without brass fittings)	Size	Ports	Per End	Α	В			mm	in.	kg	lbs.
8SDA- 8-3-13-YZ		8	4	20	20,000	47 Cmama	F7 0 000	184	7.25	1.1	2.4
8SDA-12-3-13-YZ	3/8"NPT	12	6	32mm 1.25"	32mm 1.25"	47.6mm 1.875"	57.2mm 2.25"	248	9.75	1.4	3
8SDA-16-3-13-YZ		16	8	1.25	1.25	1.075	2.23	311	12.25	1.7	3.7

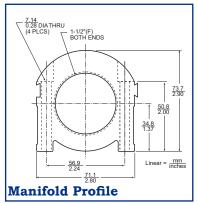


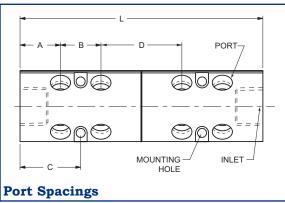


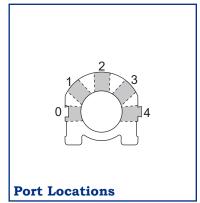
1-1/2" DUOFLOW® Aluminum Manifolds

Model Number









Stocked 1-1/2"NPT Manifolds												
Model Number	Port	Total	Ports	А	В	С	D	Length L		We	ight	
(without brass fittings)	Size	Ports	Per End					mm	in.	kg	lbs.	
12SDA- 8-4-13-YZ		8	4	11 Emm	20mm	62 Emm	62 Emm	229	9	2.2	4.9	
12SDA-12-4-13-YZ	1/2"NPT	12	6	44.5mm 1.75"	38mm 1.5"	63.5mm 2.5"	63.5mm 2.5"	305	12	2.8	6.2	
12SDA-16-4-13-YZ		16	8	1./5	1.5	2.5	2.5	381	15	3.4	7.5	