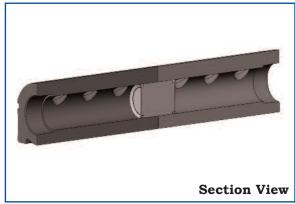
# **SMARTFLOW** BUOFLOW Aluminum Manifolds





# **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 Cooling<sup>sm</sup> through consistent, repeatable water connections

# **Specifications**

3/4", 1" or 1-1/2
NPT(F) standard
British threads optional
1/4", 3/8" & 1/2"
NPT(F) standard
British threads optional
Contact the factory for special
machining requirements

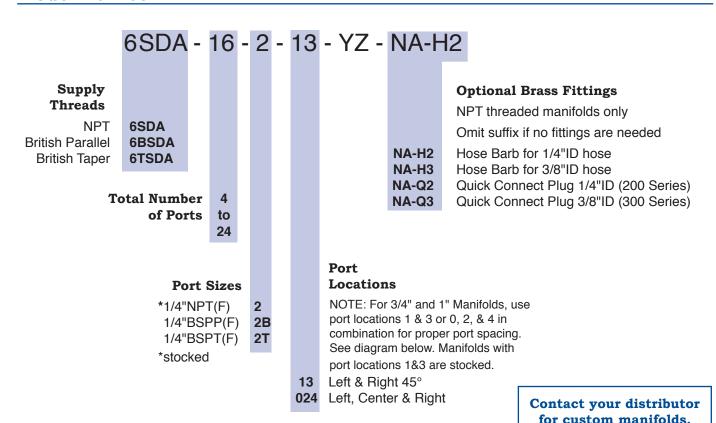
Operating Pressure max	150 psi (10 bar)
Operating Temperature max	210°F (99°C)
Body Material	.Anodized Aluminum
Divider	Stainless Steel
O-Rings	EPDM

Galvanic corrosion may occur in anodized aluminum components when they are installed near piping or components made from more noble metals such as copper. Use appropriate installation practices to prevent corrosion.

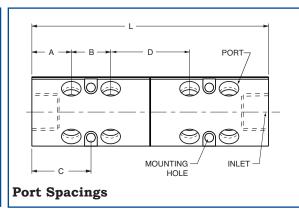
Design and specifications are subject to change without notice. See page 19 for manifold testing and use.

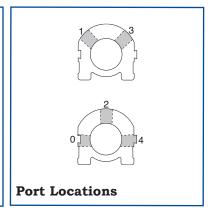
# SMARTFLOW) 3/4" DUOFLOW Aluminum Manifolds

# **Model Number**



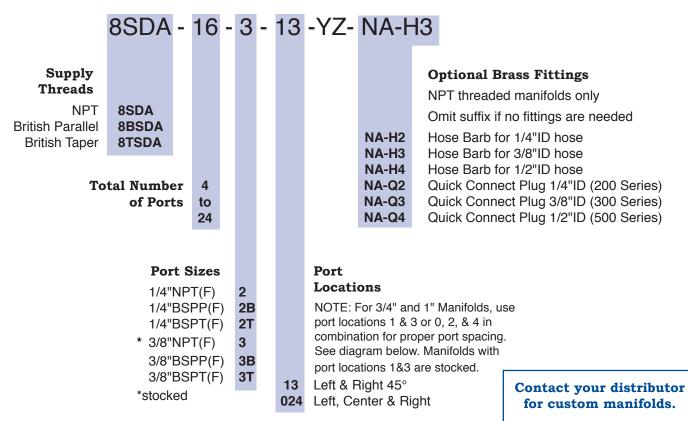
# 4.5 0.18 DIA THRU (4 PLCS) 3/4"(F) BOTH ENDS 43 1.69 20.6 0.81 Linear = mm inches Manifold Profile

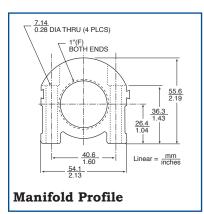


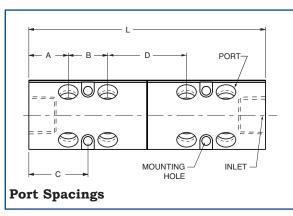


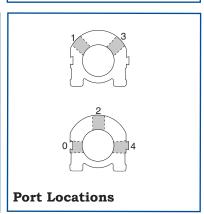
Stocked 3/4"NPT Manifolds											
Model Number	Port	Total	Ports	А	В	С	D	Leng	jth L	We	eight
(without brass fittings)	Size	Ports	Per End					mm	in.	kg	lbs.
6SDA- 8-2-13-YZ		8	4	25.4mm	25.4mm	38mm	50.8mm	152	6	.5	1.1
6SDA-12-2-13-YZ	1/4"NPT	12	6	1"	1"	1.5"	2"	203	8	.6	1.4
6SDA-16-2-13-YZ		16	8					254	10	.8	1.7

# **Model Number**



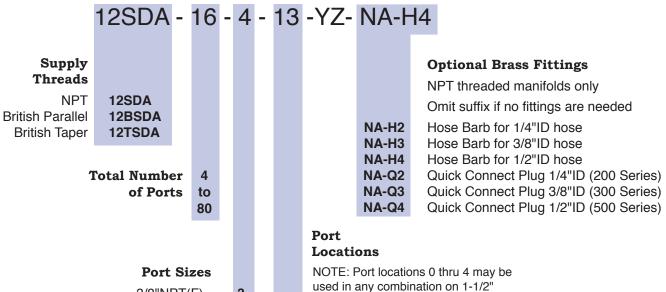






Stocked 1"NPT Manifolds											
Model Number	Port	Total	Ports	Α	В	С	D	Len	gth L	We	ight
(without brass fittings)	Size	Ports	Per End					mm	in.	kg	lbs.
8SDA- 8-3-13-YZ		8	4	32mm	32mm	47.6mm	57.2mm	184	7.25	1.1	2.4
8SDA-12-3-13-YZ	3/8"NPT	12	6	1.25"	1.25"	1.875"	2.25"	248	9.75	1.4	3
8SDA-16-3-13-YZ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

# **Model Number**



3/8"NPT(F) 3
3/8"BSPP(F) 3B
3/8"BSPT(F) 3T
\* 1/2"NPT(F) 4
1/2"BSPP(F) 4B
1/2"BSPT(F) 4T
\*stocked

Aluminum Manifolds. Manifolds with port locations 1&3 are stocked.

Left Side
Left 45°
Center
Right 45°
Right Side

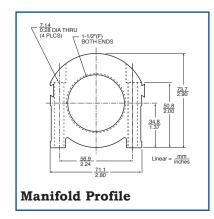
0

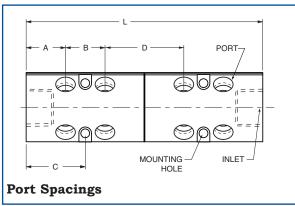
1

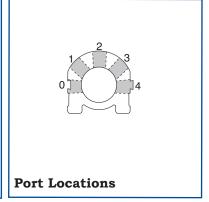
2

3

Contact your distributor for custom manifolds.







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