

STAINLESS STEEL MANIFOLDS



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 durability is 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.

Model Number

Specifications

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

Optional Ball Valveslarge port brass to match port size

Optional Flowmeters

with temperature gauges with pressure and temperature gauges flow rate options:

- 1.5 gallons per minute
- 2.5 gallons per minute
- 8.0 gallons per minute
- 10 liters per minute
- 30 liters per minute

Other flow rate options are available with non-standard port spacing. Please contact the factory for details.

special manifold pressure rating notes.

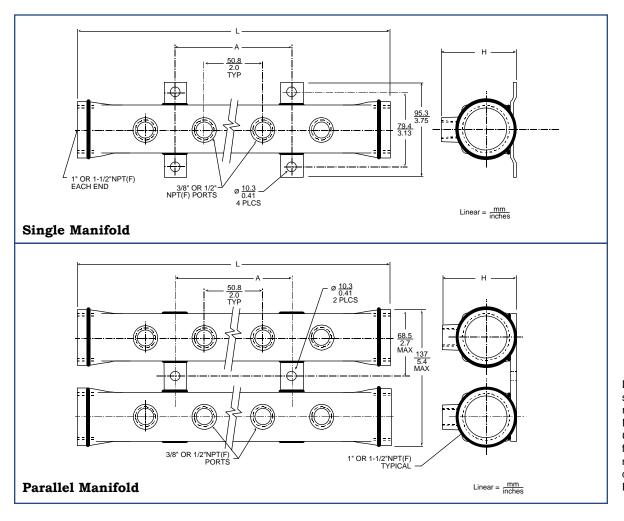
	8	SS	-	16	- 2	- BH	1	Contact the factory for other thread styles and sizes.
ŝ	8 8B 12 12B nifold Styles Single Parallel					3/8"NPT 3/8"BSPP 1/2"NPT 1/2"BSPP 3/4"NPT 3/4"BSPP		Accessories (add accessory designators to the end of the model number as needed) Manifold only Ball Valves only Ball Valves and Plain Flowmeters * Ball Valves and Flowmeters with Thermometers * Ball valves and Flowmeters with Thermometers and Pressure Gauges * Plain Flowmeters only * Quick Connect Plugs, same size as manifold port Hose barbs, same size as manifold port Special See page 15 for flowmeter information. Specify flow rate when ordering. Custom port spacing is required when using 1/4" ports with flowmeters.
10				to 32	of Po	orts		Design and specifications are subject to change without notice. See page 35 for



STAINLESS STEEL MANIFOLDS

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

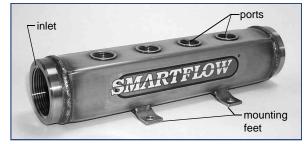
 \Box = port thread size [3 = 3/8"NPT(F) or 4 = 1/2"NPT(F)]



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



STAINLESS STEEL MANIFOLDS with Low-Profile Ports



SMARTFLOW[®] stainless steel manifolds are suitable for a wide range of liquid handling applications with some of the largest inlet sizes available. 304 Stainless Steel material is ideal where chemical compatibility and corrosion resistance are imperative.

These economical manifolds feature:

- 1" or 1-1/2"NPT(F) inlet/outlet
- 3/8" or 1/2"NPT(F) ports
- 4, 6, 8, 10, 12, 14, or 16 ports per manifold section
- Single or parallel mounting
- Integral mounting brackets
- Leak-free operation
- Optional ball valves and flowmeters
- Fast delivery

You will achieve optimal fluid flow in your applications with these durable, leak-tested manifolds. The **SMARTFLOW** name is your guarantee of quality, ease of installation, and worry-free dependability.

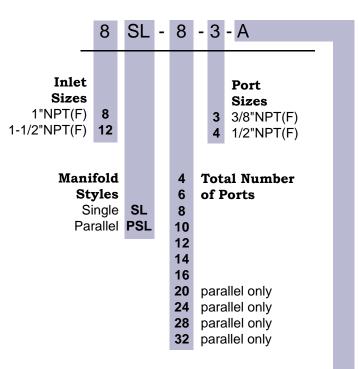
Specifications

Material	304 Stainless Steel
Inlet/Outlet Sizes	1" or 1-1/2"NPT(F)
Port Sizes	
Max Temperature	
Optional Ball Valves	Large Port Brass

Max Working Pressure Ratings:

Gas (air, inert	gas)125	psig
Liquid (water,	benign fluids)250	psig





Accessories

(add accessory designators to the end of the model number as needed)

- Manifold only A
- Ball valves only B
- *Ball valves and plain flowmeters C
- *Ball valves and flowmeters with thermometers **D**
- *Ball valves and flowmeters with thermometers and pressure gauges
- Ball valves and flowmeters with thermometers and liquid-filled pressure gauges
 - *Plain flowmeters only F
- Quick connect plugs, same size as manifold port H
 - Hose barbs, same size as manifold port J

* Contact customer service for flowmeter details

Ask us about custom configurations!

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SMARTFLOW[®] STAINLESS STEEL MANIFOLDS with Low-Profile Ports

	Model Number	rs and Dimensi	ons		
	Single Manifolds	Parallel Manifolds	Dimension A	Dimension L	Dimension H
ìt	8SL -4 -□-A 8SL -6 -□-A	8PSL - 8 - □ - A 8PSL - 12 - □ - A	102mm / 4" 203mm / 8"	283mm / 11.13" 384mm / 15.13"	
1" Inle	8SL - 8 - □ - A 8SL - 10 - □ - A 8SL - 12 - □ - A 8SL - 12 - □ - A	8PSL - 16 - □ - A 8PSL - 20 - □ - A 8PSL - 24 - □ - A 8PSL - 24 - □ - A	305mm / 12" 406mm / 16" 508mm / 20" 610mm / 24"	486mm / 19.13" 587mm / 23.13" 689mm / 27.13" 791mm / 31.13"	51mm 2" max.
1-1/2" Inlet	8SL - 16 A 12SL - 4 A 12SL - 6 A 12SL - 8 A 12SL - 10 A 12SL - 12 A 12SL - 14 A 12SL - 16 A	8PSL - 32 A 12PSL - 8 A 12PSL - 12 A 12PSL - 16 A 12PSL - 20 A 12PSL - 24 A 12PSL - 28 A 12PSL - 32 A	711mm / 28" 102mm / 4" 203mm / 8" 305mm / 12" 406mm / 16" 508mm / 20" 610mm / 24" 711mm / 28"	892mm / 35.13" 283mm / 11.13" 384mm / 15.13" 486mm / 19.13" 587mm / 23.13" 689mm / 27.13" 791mm / 31.13" 892mm / 35.13"	64mm 2.5" max.

 \Box = port thread size [3 = 3/8"NPT(F) or 4 = 1/2"NPT(F)]

