

52L SERIES Gas MicroMANIFOLD



The 52L Series Gas MicroManifold provides a compact, efficient solution for distributing high purity, non-corrosive gases such as oxygen, argon, helium, nitrogen, or carbon dioxide from one or more liquid cans or high pressure cylinders to a CONCOA pressure control device. Its flexible, compact design makes it ideally suited for use with many CONCOA 500 Series and 600 Series switchover systems. CONCOA gas micromanifolds are designed for easy expansion, multiple blocks can be connected to increase the number of supply ports without compromising system integrity or layout. This modular capability supports growing research demands and evolving laboratory configurations, all while reducing the number of cylinder connections and potential leak points. For cryogenic liquid cylinder applications that generate boil-off gas that must be safely vented, the 52L may be configured as a vent manifold system.



52L 1053-580 shown

Typical Applications

- Bioreactor Supply
- Large Multi-chamber Incubator Installations
- Cleanroom, Biotech, and Culture Applications
- High-density Lab Environments

Features

Safety Disk protects manifold from over-pressurization

Compact Modular Design supports future growth capability

Multiple Cylinder Hose Options permit universal gas compatibility

Materials and Specifications

Maximum Inlet Pressure: 3000 PSIG (210 BAR); or 4500 PSIG (310 BAR) optional

Body: Brass barstock

Inlet Connections: Four 1/4 in FNPT; One 1/2 in FNPT

Outlet Connection: 1/2 in MNPT

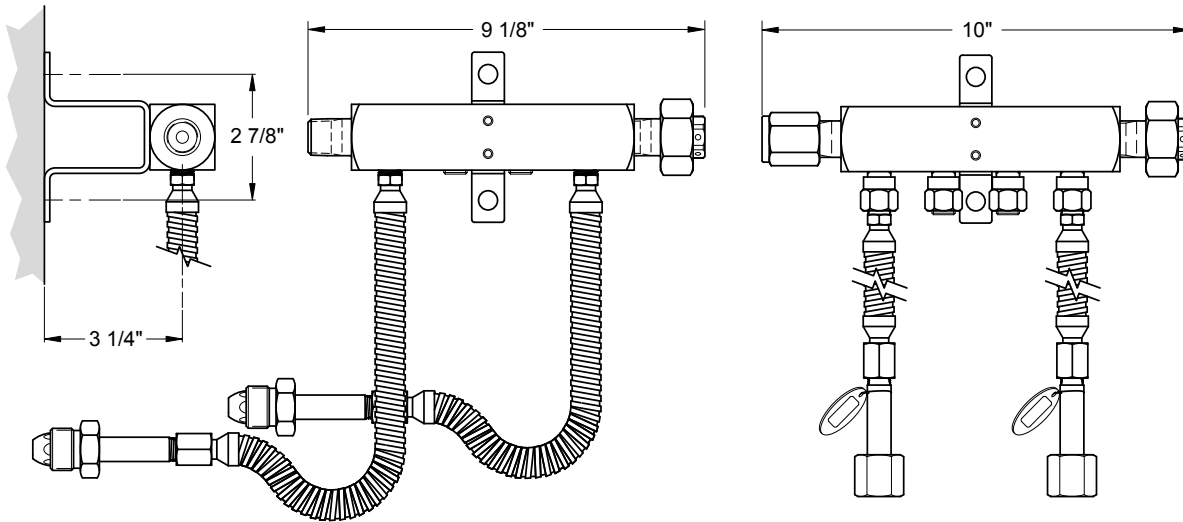
Flexible Hoses: 316L stainless steel; Monel® inner core for oxygen service

Temperature Range: 0°F to 140°F (-18°C to 60°C)

Weight: 4.2 lbs (1.9 kg)

Conformances: CRN OH15806.5

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52L-1152-580 MicroManifold

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Ordering Information

52L	A	B	C	D	-CON
Series 52L	Manifold Type (Gauge)	Orientation	Hose Style	Cylinder Side	Inlet Connections
	1: Gas MicroManifold (No gauges)	0: Simplex right bank	0: No hose	1: One	<i>Please specify inlet connection.</i>
	2: Vent MicroManifold (No gauges)	1: Simplex left bank	3: 72" (1800mm) flexible stainless steel core and armor cased**	2: Two	
	3: Gas MicroManifold (0-400 PSIG/0-2500 kPa gauges)	2: Duplex right and left bank	5: 36" (900mm) flexible stainless steel core and armor cased**	3: Three	<i>Use -001 for hoses option 0.</i>
	4: Gas MicroManifold (0-600 PSIG/0-40 BAR gauges)	3: Simplex right bank with pressure switch gauge*	7: 24" (600mm) flexible stainless steel core and armor cased**	4: Four	
	5: Gas MicroManifold (0-4000 PSIG/0-2500 kPa gauges)	4: Simplex left bank with pressure switch gauge	A: 72" Flexible Stainless Steel-Braided with PTFE Core (CGA 622, 624) or Stainless Steel Core and Armor Cased (CGA 295, 440) for liquid cylinder vent use†	5: Five	<i>Use CGA 295, 440, 622, or 624 for hose style A</i>
	6: Gas MicroManifold (0-4000 PSIG/0-280 BAR gauges)	5: Duplex right and left bank with pressure switch gauge*	K: 72" (1800mm) stainless steel core and armor cased††	6: Six	
	7: Gas MicroManifold (0-6000 PSIG/0-40,000 kPa gauges)	*Valid with Manifold Type 4, 6, and 8	L: 36" (900mm) stainless steel core and armor cased††	7: Seven	
	8: Gas MicroManifold (0-6000 PSIG/0-420 BAR)		**Valid with Manifold Type 1, 3, 4, 5, and 6	8: Eight	
			†Valid with Manifold Type 2		
			††Valid with Manifold Type 1, 7, and 8		
				0: Zero	

Related Options

Part Number	Option	Description
829 9960	Burst Disk Kit	1/2" MNPT replacement burst disk kit
830 7437	Floor Stand	Single manifold floor stand provides support for up to two consecutive manifold extensions