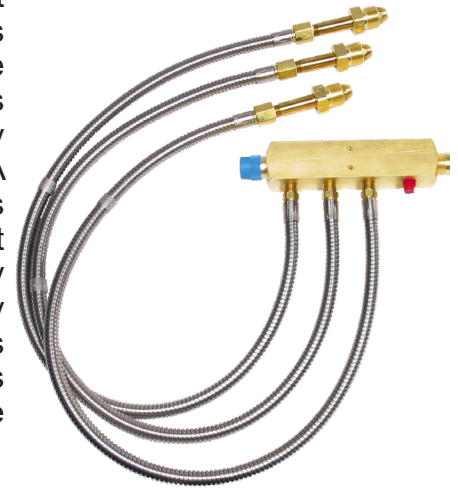


52L SERIES GAS MICROMANIFOLD



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 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 11053-580 shown

Typical Applications

- Bioreactor Supply
- Calibration Gas Delivery
- High Flow Purge Gas Supply
- Gas Delivery from Multiple High Pressure Cylinder Supply

Features

Safety disk protects manifold from overpressurization

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 3000 PSIG (310 BAR)

Inlet Connections: 1/4 in FNPT

Outlet Connections: 1/2 in MNPT

Manifold Block: Brass barstock

Hoses: Brass, copper, or stainless steel

Hose Core: Monel®, brass, copper, stainless steel, or PTFE

Temperature Range: -320°F to 165°F (-195°C to 75°C)

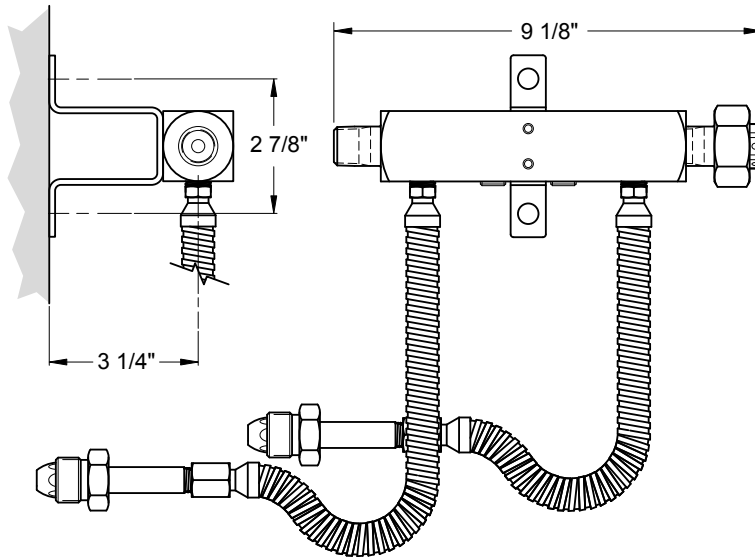
Weight (manifold and bracket): 14.5 lbs (6.5 kg)

Conformances: Cleanliness meets or exceeds CGA G-4.1; CRN OH15806.5 (Body); CRN OD18143.5 (Hoses)

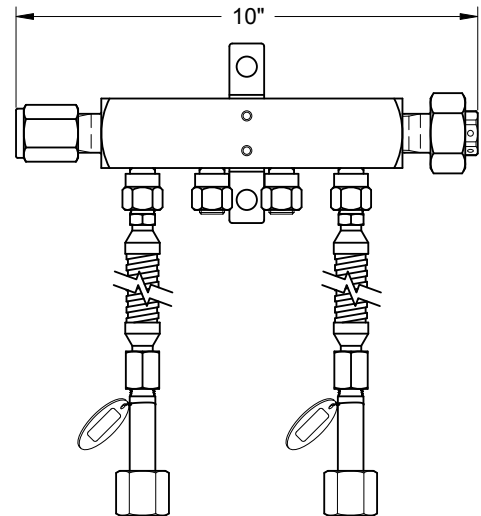
52L SERIES GAS MICROMANIFOLD



Installation Dimensions



52L1152-01-580 Gas MicroManifold



52L21A2-01-295 Vent MicroManifold

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>CGA DIN 477 BS 341 and others available</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	<i>Use CGA 295, 440, 622, or 624 for hose style A</i>
	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	0: Zero	
			††Valid with Manifold Type 1, 7, and 8		

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