



629 Series MicroManifold

The 629 Series MicroManifold is a flexible gas distribution system that can be configured as a gas or vent manifold. Configured as a gas manifold, the 629 offers excellent gaseous flow capacity from either liquid cans or high-pressure cylinders to a CONCOA pressure control device. Configured as a vent manifold, the 629 equalizes the head space pressure of each liquid cylinder manifolded together. This allows each cylinder to withdraw equally and operate at maximum flow capacity with minimal losses.

Advanced Features

- *Vent Manifold Excess Flow Orifices*
Prevents pigtails from whipping
- *Safety Disk*
Protects manifold from over-pressurization
- *Compact Modular Design*
Provides simple field expandability
- *Multiple Cylinder Hose Options*
Universal gas compatibility
- *Integrated 1/2" MPT Connector*
Reduces potential leak sites
- *Flexible Design*
Can be used with a 600 Series switchover or a 623 Series delivery system



629-1163-580 Shown

Ask About Our

EXTENDED
WARRANTY

On This CONCOA Product

Applications

Assist Gas Delivery from Liquid Cylinder Supply

Nitrogen
Oxygen

Assist Gas Delivery from High Pressure Supply

Air
Nitrogen
Oxygen

Metal Fabrication On-Site Mixing Systems

Argon
Carbon Dioxide
Helium
Nitrogen
Oxygen

Materials

Body

Brass barstock body

Specifications

Maximum Inlet Pressure
4,500 PSIG (310 BAR)

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

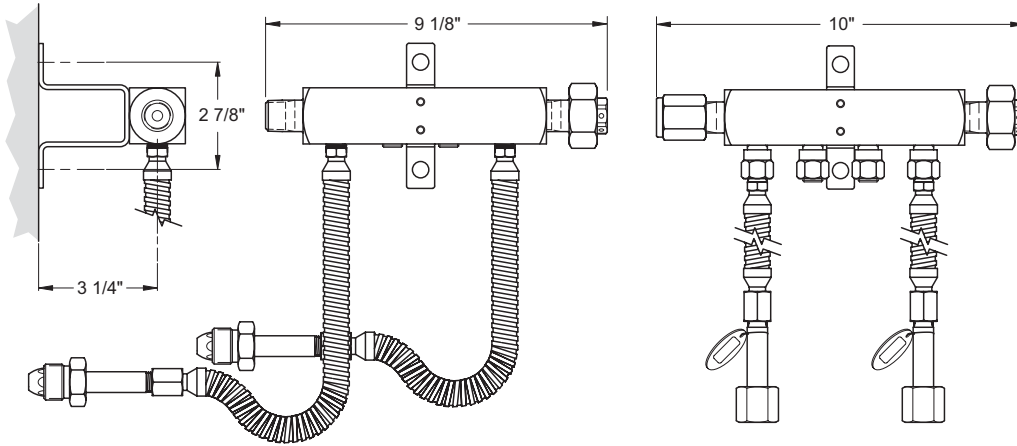
Inlet Connection
Four 1/4" FPT
One 1/2" FPT

Outlet Connection
1/2" MPT

Weight (manifold and mounting bracket)
4.20 lbs. (1.91 kg)

Assist Gas Supply

Installation Dimensions



629-1151-580 MicroManifold

629-21A2-001 Vent MicroManifold

Ordering Information

629	A	B	C	D	CB	Inlet	Options
Series 629	Manifold Type	Orientation	Pigtail Style	Cyl./Side	Connection	Options	Options
	1: MicroManifold (No Gauges)	0: Simplex (right bank)	0: No Pigtails	1: One	Please specify inlet connection Use -001 for pigtail option 0.	F: Integral Pigtail flashback arrestor	
	2: Vent MicroManifold (No Gauges)	1: Simplex (left bank)	1: 36" Rigid Brass*	2: Two			
	3: MicroManifold (600 PSI/ BAR Gauges)	2: Duplex (right and left bank)	2: 24" Rigid Copper*	3: Three	Use CGA 295 or 622 for pigtail option A		
	4: MicroManifold* (600 PSI/BAR P/S Gauges)	3: Simplex (right bank with P/S)*	3: 72" Flexible Stainless Steel Core and Armor Cased*	4: Four			
	5: MicroManifold (4,000 PSI/BAR Gauges)	4: Simplex (left bank with P/S)*	4: 24" Flexible Stainless Steel Armor with PTFE lining*	5: Five			
	6: MicroManifold* (4,000 PSI/BAR P/S Gauges)	5: Duplex (right and left bank with P/S)*	5: 36" Flexible Stainless Steel Core and Armor Cased*	6: Six	CGA DIN 477 BS 341 and others available		
	7: MicroManifold (6,000 PSI/KPA Gauges)		6: 36" Flexible Stainless Steel Armor with PTFE lining*	7: Seven			
	8: MicroManifold* (6,000 PSI/BAR Gauges)		7: 24" Flexible Stainless Steel Core and Armor Cased*	8: Eight	Use CGA 440 for pigtail option B		
	Required for Alarm Capability		9: 72" Flexible Stainless Steel Armor with PTFE lining	0: Zero			
			A: 72" Flexible Stainless Steel-braided with PTFE lining Inert or CO ² †				
			B: 72" Flexible Stainless Steel-braided with PTFE lining Oxygen†				
			C: 24" Flexible Stainless Steel-braided with PTFE Core*				
			D: 36" Flexible Stainless Steel-braided with PTFE Core*				
			E: 72" Flexible Stainless Steel-braided with PTFE Core*				
			F: 72" Flexible Stainless Steel Core and Armor Cased 4,500 PSI†				