

Manifolds



LC Industrial Manifold



Specifications:

- Connects to remote alarms systems
- Maximum inlet pressure 350 psig
- Maximum Flow:

LC	750 scfh
LCHP	800 scfh
- Adjustable line regulator

LC	40-85 psig
LCHP	40-180 psig
- Manifold outlet ½" NPT
- Relief valve outlet ½" NPT
- &2" Cryogenic pigtails with check valves.
- Minimum inlet pressure:

LC	125 psig
LCHP	250 psig
- LC Series for use with 235 psig relief valve Dewars
- LCHP Series for use with 350 ps ig relief valve Dewars

Western Innovator LC Manifolds are designed to regulate and monitor vaporizes gas from cryogenic cylinders. The system automatically changes over when the primary cylinder bank is depleted. A simple rotation of the control lever resets the unit.

When used with Western's CLA series high-pressure reserve healthcare manifolds, dual line regulator assembly, pressure switches and check valves, the system meets the NFPA-99 1999 requirements

Ordering Information

Specify: Control Type (V) – Service (W) – Number of Cyls (X) Mounting (Z)				
Control Type (V)	Gas Service (W)	No. of Cyls (X)	Mounting	Example: LC-7-2 Nitrogen 2 Cylinder Manifold
LC (40-85 psig)	(3) Argon CGA 580 (4) Carbon Dioxide CGA 320		Blank = Wall Mount	
FHM2HL (40-180 psig) (Nitrogen units only are adjustable 40-210 psig)	(5) Helium CGA 580 (7) Nitrogen CGA 580 (8) Nitrous Oxide CGA 326 (9) Oxygen CGA 540		F = Floor Mount	

For ordering and technical support (858) 578-2622
WestAir Gases & Equipment, Inc.

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Specifications:

- ½" plugged tee for reserve" low" pressure switch
- Maximum inlet pressure 3000 psig
- Adjustable regulator

CLA	20-160 psig
CLAHP	40-300 psig
- Manifold outlet ½" NPT
- Relief valve outlet ½" NPT
- 24" Flexible stainless steel pigtails with check valves.
- ½" Brass, silver brazed headers

Western Innovator CLA high pressure manifolds are specifically designed for healthcare facilities requiring an emergency back-up gas supply to meet the NFPA-99 requirements.

Design Lengths

Total No. of Cylinders	3	4	5	6	7	8	9
CLA Standard (10" centers)	4' 5"	5' 3"	6' 1"	7' 0"	7' 10"	8' 8"	9' 6"
Overall Manifold Length	(1.35m)	(1.60m)	(1.85m)	(2.13m)	(2.39m)	(2.64m)	(2.90m)
CLA Staggered Design (5" centers)	3' 2"	3' 7"	4' 0"	4' 5"	4' 10"	5' 3"	5' 8"
Overall manifold Length	(0.97m)	(1.09m)	(1.22m)	(1.35m)	(1.47m)	(1.60m)	(1.73m)
CLA Vertical Crossover (10" Centers)		3' 7"		4' 5"		5' 3"	
Overall Manifold Length	N/A	(1.09m)	N/A	(1.35m)	N/A	(1.60m)	N/A

Specify: Control Type (W) – Service (X) – Number of Cylinders (Y) Header Configuration (Z)			
Control Type (W)	Gas Service (X)	No. of Cyls (Y)	Header Configuration(Z)
CLA (20-160 psig)	(2) Breathing Air	CGA 346	Blank- Standard 10" on Center
	(4) Carbon Dioxide	CGA 320	
CLA(40-300 psig)	(7) Nitrogen	CGA 580	S- Staggered
	(8) Nitrous Oxide	CGA 326	
	(9) Oxygen	CGA 540	U-Shaped-Drawing Required
	(11) CO ₂ / O ₂ Mixture (CO ₂ not over 7%)	CGA 280	
	(12) He / O ₂ Mixture (He not over 80%)	CGA 280	
	(13) N ₂ / O ₂ Mixture (O ₂ not over 23.5%)	CGA 280	
(14) N ₂ O/ O ₂ Mixture (N ₂ O 47.5 to 52.5%)	CGA 280	L-Shaped-Drawing Required	

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