



High Purity Brass Cabinet Style Auto-Changeover Manifold LAB2 - Series

DESCRIPTION

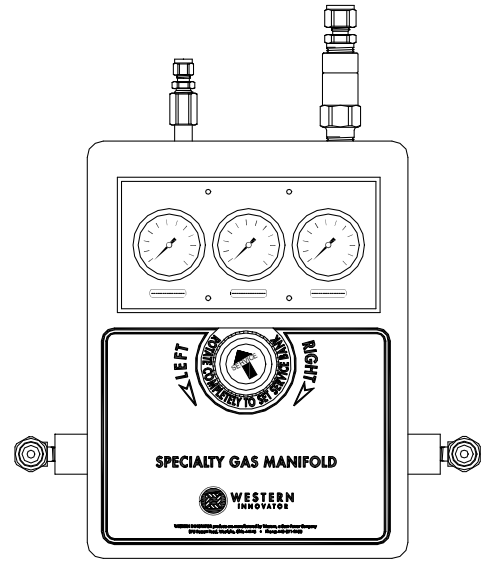
The LAB1 series manifold is designed and constructed specifically for high purity gas applications. The unit will automatically switch over from an exhausted service cylinder to a full reserve cylinder with only slight fluctuation (± 3 psig) in line pressure (a line regulator is built in). Stainless steel diaphragms, packless diaphragm valves and stringent quality control ensure a helium leak rate integrity of 2×10^{-6} scc/sec (test and certification optional). To maximize safety, all pressure relief valves are tied to a common vent line equipped with a pipe away adaptor. Four check valves protect the user during cylinder changeouts, minimizing infusion of contaminants, and make the system user friendly. All components are housed in a tamper resistant cabinet, ensuring factory calibrations will be preserved. Two rigid copper pigtailed (brass on acetylene units) with check valve at cylinder end are included.

Note: Units do not include visual alarm, power supply or any electrical components.

Note: Acetylene flashback arrestor will not pass helium leak test.

SPECIFICATIONS

Max. Inlet Pressure: 3,000 psig
 Operating Temperature Range:
 20° F to 120° F (CO₂ & N₂O)
 -20° F to 120° F (all other gases)
 Delivery Pressure: 30 -100 psig Standard Model
 50 - 200 psig HP Model
 Outlet: 1/4" Compression



FEATURES

- Eliminates costly downtime by providing a constant uninterrupted gas flow.
- Enhances safety by consolidating cylinders into a centralized location.
- Integral line regulator.
- Rigid copper pigtailed with check valves at cylinder end allows easy cylinder hook up and maintain gas purity (flexible stainless steel lined pigtailed optional).

How to Order

Specify: Control Type (W) - Gas Service (X), Mounting (Y), Pigtail Option (Z)

Example: LAB2-3HPF = model LAB2 for Argon service, wall mounted, with 24" stainless steel lined flexible pigtailed

Control Type (W)	Gas Service (X)	Mounting (Y)	Pigtail Option
LAB2 (30 - 100 psig)	1 CGA 510 Acetylene	Blank = Wall Mount F = Floor Mount	Blank = Rigid Copper with check valve HPF = 24" Stainless Steel lined, flexible with check valve
	1A CGA 300 Acetylene		
	2 CGA 346 Zero Air		
LAB2HP (50 - 200 psig)	2A CGA 590 Zero Air		
	3 CGA 580 Argon		
LAB2 (0 - 15 psig) (acetylene service)	4 CGA 320 Carbon Dioxide		
	5 CGA 580 Helium		
	6 CGA 350 Hydrogen		
	7 CGA 580 Nitrogen		
	8 CGA 326 Nitrous Oxide		
	9 CGA 540 Oxygen		

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