



High Purity Brass Cabinet Style Auto-Changeover Manifold HBAC2 - Series

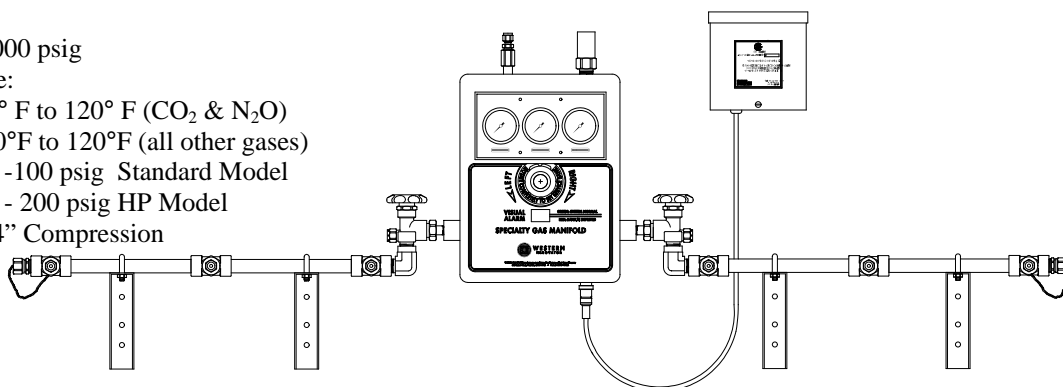
DESCRIPTION

The HBAC2 manifolds are designed and constructed for gas delivery applications requiring an uninterrupted gas flow and greater on line capacity. The HBAC2 will automatically switch over from an exhausted service bank to a full reserve bank of high pressure cylinders (3,000 psig maximum), simultaneously triggering a visual alarm (built into the cabinet). Every unit (except HL suffix heater units and Acetylene flashback arrestor) is Helium leak tested 2×10^{-6} scc/sec and shipped with certification. Dry and 24 VAC contacts in the power supply box (furnished), allow interface with any computerized remote alarm system or with one of our 24 VAC remote alarms (Optional).

Note: **Fuel gas units do not include visual alarm, power supply or any electrical components. Fuel gas alarm kits (optional) are available to provide alarm feature if required.**

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.
- Ensures system purity with compatible component selection.
- Check valve outlets on the header provide added safety.
- 1/2" brass pipe and tee construction, silver brazed and Teflon taped.
- Design allows field installation of additional stations without brazing.
- Flexible stainless steel lined pigtails with check valves at cylinder end allow easy cylinder hook up and maintain gas purity.

Design Lengths

Total Number of Cylinders	2	4	6	8
HBAC2 Standard (10" centers) Overall manifold length	2' - 3" (.7m)	3' - 11" (1.2m)	5' - 7" (1.7m)	7' - 3" (2.21m)
HBAC2 Staggered (5" centers) Overall manifold length	2' - 3" (.7m)	3' - 1" (.94m)	3' - 11" (1.2m)	4' - 9" (1.45m)
HBAC2 Vertical Crossover & Crossover (10" centers) Overall manifold length	N/A	2' - 3" (.7m)	N/A	3' - 11" (1.2m)

How to Order

Specify: Control Type (V) - Gas Service (W) - # of Cylinders (X) - Header configuration (Y)- Mounting (Z)

Example: HBAC2-9-4F, Model HBAC2, Oxygen service for 4 cylinders, 10" on centers, floor mounted

Control Type (V)	Gas Service (W)	# of Cylinders (X)	Header Configuration (Y)	Mounting (Z)
HBAC2 (30-100 psig)	1 CGA 510 Acetylene 1A CGA 300 Acetylene		Blank for Standard 10" centers or 13" centers acetylene	Blank = Wall Mount F = Floor Mount
HBAC2HL (30-100 psig) (includes 500 scfh internal heater) (CO ₂ & N ₂ O)	2 CGA 346 Zero Air 2A CGA 590 Zero Air 3 CGA 580 Argon 4 CGA 320 Carbon Dioxide 5 CGA 580 Helium		S = Staggered, 5" centers or 6.5" centers acetylene V = Vertical Crossover, 10" centers	
HBAC2HP (50-200 psig)	6 CGA 350 Hydrogen 7 CGA 580 Nitrogen		C = Crossover 10" centers (Floor stand required)	
HBAC2 (0 - 15 psig) (acetylene service)	8 CGA 326 Nitrous Oxide 9 CGA 540 Oxygen			

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