

HBAC2

Western Innovator HBAC2 manifolds are designed and manufactured for high-purity gas delivery applications requiring uninterrupted gas flow and greater cylinder capacities. User friendly and easy to operate, a simple rotation of the control knob resets the unit.

Factory-set functional components are protected inside a tamper-resistant case. A self-contained alarm system clearly indicates the system status. A green light means the system is ready for service. A red light alerts the user that the unit has changed over. Dry contacts in the unit's power supply box allow connection to remote alarms systems.

specifications

- High Purity Automatic Analog System
- CSA Approved Power Source included
- Stainless steel diaphragm regulators
- Helium leak rate integrity: 2×10^{-6} scc/sec
- Maximum inlet pressure: 3000 psig (2000 psig for CO₂ & N₂O systems)
- Maximum flow rate:

HBAC2	250 scfh
Acetylene	20 scfh
- Delivery pressure range:

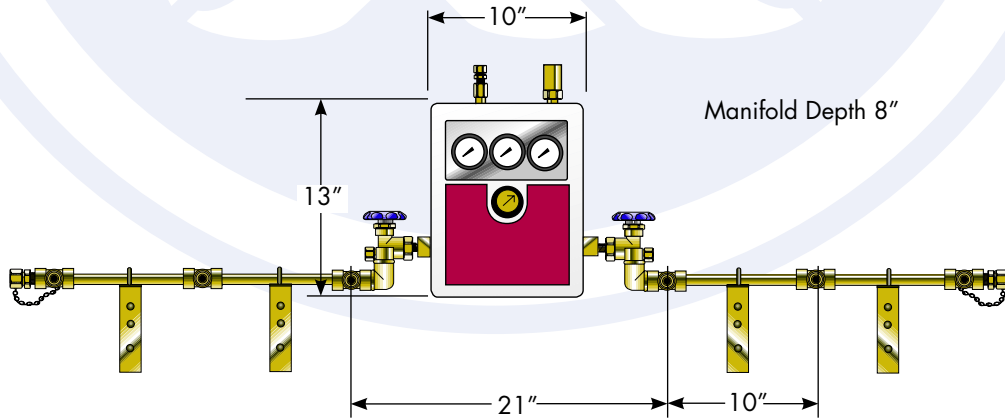
HBAC2	30–100 psig
Acetylene	0–15 psig
HBAC2HP	50–200 psig
- Manifold outlet: 1/4" OD tube fitting
- 1/2" Brass, silver brazed headers
- 24" flexible stainless steel lined pigtailed with check valves
- Relief Valve outlet port: 1/2 NPT female
- Fuel gas units do not include visual alarm, power supply, or any electrical components. Fuel gas alarm kits are available as an option
- Connects to Remote Alarm systems (Up to 3 amps 30 VDC or 2 amps 250 VAC)



HBAC series

HOW TO ORDER

Specify: Control Type (V)–Service (W)–Number of Cyl's (X)		
Example: HBAC2-5-6 = Model HBAC2, Helium service, 5 cylinders		
CONTROL TYPE (V)	GAS SERVICE (W)	# OF CYL'S (X)
HBAC2 (30–100 psig)	(1) Acetylene (POL) (1A) Acetylene (Commercial)	CGA-510 CGA-300
HBAC2HL (30–100 psig) (includes 500 scfh heater)	(2) Compressed Air (2A) Zero Air	CGA-346 CGA-590
HBAC2HP (50–200 psig)	(3) Argon (4) Carbon Dioxide (5) Helium (6) Hydrogen (6A) Argon/Methane Mixtures	CGA-580 CGA-320 CGA-580 CGA-350 CGA-350
	(7) Nitrogen (8) Nitrous Oxide (9) Oxygen	CGA-580 CGA-326 CGA-540



Example: HBAC2-9-6 = Oxygen (9=CGA-540) Manifold for 6 Cylinders

Design Lengths HBAC2

TOTAL NO. OF CYLINDERS	2	4	6	8	10	12	16	20
HBAC2 Standard (10" Centers) Overall Manifold Length	2'-3" (.7m)	3'-11" (1.2m)	5'-7" (1.7m)	7'-3" (2.21m)	8'-11" (2.72m)	10'-7" (3.23m)	13'-11" (4.24m)	17'-3" (5.26m)
HBAC2 Staggered Design (5" Centers) Overall Manifold Length	2'-3" (.7m)	3'-1" (.94m)	3'-11" (1.2m)	4'-9" (1.45m)	5'-7" (1.7m)	6'-5" (1.96m)	8'-1" (2.46m)	9'-9" (2.97m)
HBAC2 Vertical Crossover (10" Centers) Overall Manifold Length	N/A	2'-3" (.7m)	N/A	3'-11" (1.2m)	N/A	5'-7" (1.7m)	7'-3" (2.21m)	8'-11" (2.72m)
HBAC2 Standard (13" Centers) (Acetylene) Overall Manifold Length	2'-3" (.7m)	4'-5" (1.35m)	6'-7" (2m)	8'-9" (2.7m)	10'-11" (3.3m)	13'-1" (4m)	17'-5" (5.31m)	21'-9" (6.63m)
HBAC2 Staggered Design (10" Centers) (Acetylene) Overall Manifold Length	2'-3" (.7m)	3'-4" (1m)	4'-5" (1.35m)	5'-6" (1.67m)	6'-7" (2m)	7'-8" (2.34m)	9'-10" (3.00m)	12'-9" (3.66m)

Cylinders (X)-Header Configuration (Y)-Mounting (Z)

for 6 total cylinders 10 inches on center, wall mounted.

	HEADER CONFIGURATION (Y)	MOUNTING (Z)
	BLANK -Standard 10" on Center 13" on Center for Acetylene & LPG S -STAGGERED 5" on Center 6.5" on Center for Acetylene & LPG V -VERTICAL CROSSOVER Standard 10" on Center or 13" on Center for Acetylene & LPG C -CROSSOVER (Floor Mount Only) Standard 10" on Center or 13" on Center for Acetylene & LPG U-Shaped -Drawing Required L-Shaped -Drawing Required	BLANK = Wall mount F = Floor mounted

