



Respiratory Safety

THE COOL-BOX™

Portable Cooling Air Distribution Manifold

Issue: Under strenuous conditions, the body can overheat while wearing an airline respirator, increasing the chance for heat related injuries. Heat exhaustion and heat stress can result in fatigue, heat stroke, cramps, fainting and rashes. In most cases, heat related injuries can be prevented thus increasing a worker's safety and productivity.

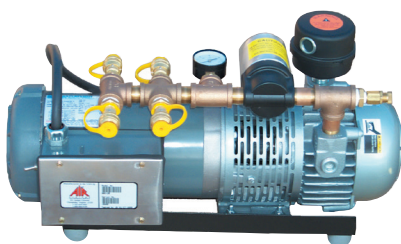
Application: THE COOL-BOX™ is ideal for cooling Level "A" chemical suits, air supplied hoods and cooling vests. THE COOL-BOX™ provides the same level of cooling as a hip-mounted vortex cooling tube without the high discharge heat and noise associated with Vortex tubes. Vortex tubes can also "kick up" ambient dust in the work place. THE COOL-BOX™, BACB-196, is designed to attach to standard compressors with a maximum pressure output of 125 psi. The low pressure COOL-BOX™, BACB-196LP, is designed to attach to any low pressure ambient air pump with a maximum pressure output of 20 psi.

Recommendation: Air Systems' COOL-BOX™, provides approximately 70°F output air temperature at the end of 25 feet of air line hose with input temperatures up to 180°F. Designed and engineered for less than 2 psi pressure drop in the system with flow capacities to 75 cfm.

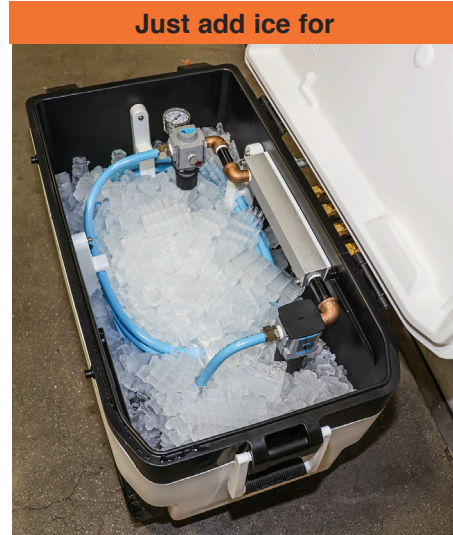
Heat Stress Prevention



BACB-196LP
COOL-BOX™



BAC-20
4 Worker Ambient Air Pump



Just add ice for

Immediate respirator air cooling!

Product Features:

- Low cost cool breathing air
- 50°F output air temperature with input up to 180°F
- Easy to use and maintain - manual drain provided
- Aluminum jacketed tubing, USDA approved
- 20 lbs. of ice provides up to 4 hours of cooling
- NIOSH point-of-attachment and cooling in one system
- Operates with any airline mask or hood style respirator, including level "A" chemical suits & blasting hoods

THE COOL-BOX™

Item No.	Description
BACB-196	Standard COOL-BOX™ with 1/4" Hansen or Schrader style fittings - rated to 125 psi maximum inlet pressure
BACB-196LP	Low Pressure COOL-BOX™ with 1/4" Hansen or Schrader style fittings. Designed specifically for use with ambient air pumps (0-20 psi maximum), low pressure air pump conversion kit (BACB-196K) included

Low Pressure Ambient Air Pumps

Item No.	Description
BAC-20	Electric compressor - 2 HP, TEFC, 115/208-230 VAC, 60 Hz

Ambient Air Pump (BAC-20)

- Operates 2 hood style respirators or 4 tight fitting constant flow masks as long as the combined flow requirements DO NOT exceed 20 cfm at 4 psi
- Maximum pressure 15 psi at 16 cfm output, 20 cfm output at 4 psi
- Electric motor: 2 HP, TEFC, 115/208-230VAC, 20.0/10.0 amps, 60 Hz



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