



# 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.



Cooler color may vary

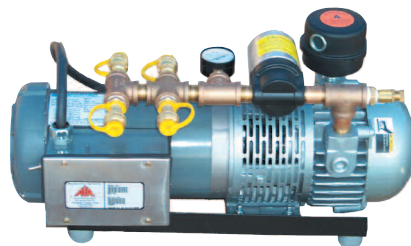
**Just add ice for immediate respirator air cooling!**



### Heat Stress Prevention



**BACB-196LP**  
Cool-Box™



**BAC-20**  
4 Worker Ambient Air Pump  
Sold Separately

#### 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

Note: Output temperatures may vary depending on ambient conditions, the type of respirator used, and length of hose



#### Cool-Box™

Description	ASI Part #
Cool-Box™ - for use with air pressures up to 125 psi maximum inlet pressure. Air pump not included.	BACB-196
Cool-Box™ - for use with ambient air pumps (0 - 20 psi maximum). Low pressure air pump conversion kit included. Air pump not included.	BACB-196LP

#### Ambient Air Pump

Description	ASI Part #
4-Worker Ambient Air Pump See <a href="#">Ambient Air Pumps</a> Flyer for specifications.	BAC-20

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