

# Low Pressure Ambient Air Pumps

## For use with Constant Flow Respirators Only

**For proper air pump operation:**

Always choose a constant flow respirator that is designed and approved to operate with an ambient air pump, UNDER 15 psi. Specify the approved respirator coupling size when ordering a particular model pump that matches the respirator hose selected. Compressors MUST be placed in a clean air environment per OSHA 1910.134.

Ambient air pumps are not designed for use with pressure demand respirators or Vortex cooling tubes due to low output pressure.



**BAC-10**  
**2-WORKER AIR PUMP**

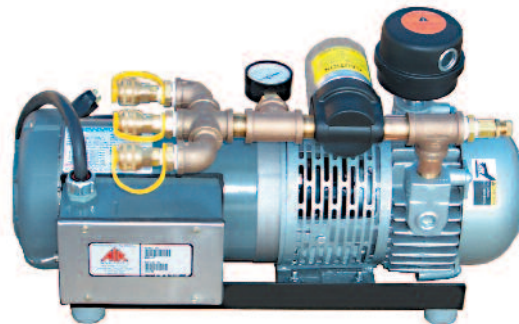
**Specifications**

- Operates 1 hood style respirator or 2 tight fitting constant flow masks. Respirator requirements CAN NOT exceed maximum pressure of 15psi
- Maximum 10psi at 9cfm output, 9.5 cfm output at 4 psi
- Electric motor: 3/4 HP, ODP, 100-115/208-230 VAC, 12.2/6.1 amps, 50/60 Hz, 1 phase, thermally protected, CSA approved
- 0.5-0.7 micron inlet and compressor filters
- 0-30 psi pressure gauge
- Prewired with on/off switch and plug (115 VAC plug only)
- Approximate weight: 55 lbs.

For Respirator Cooling, See Page 21

**Specifications**

- Operates 2 hood style respirators or 3 tight fitting constant flow masks as long as the combined flow requirements DO NOT exceed 15 cfm at 4 psi
- Maximum pressure 15 psi at 12 cfm output, 15 cfm output at 4 psi
- Electric motor: 1.5 HP, TEFC, 115/208-230 VAC, 15.2/8.2 amps, 60 Hz, 1 phase, thermally protected, CSA approved
- 0.5-0.7 micron inlet and compressor filters
- 0-30 psi pressure gauge
- Prewired with on/off switch and plug (115 VAC plug only)
- Approximate weight: 96 lbs.
- Optional explosion-proof electric motor available – Model BAC-17EXP, 230/460 VAC, 3 phase motor



**BAC-17**  
**3-WORKER AIR PUMP**



**BAC-20**  
**4-WORKER AIR PUMP**

**Specifications**

- Operates 2 hood style respirators or 4 tight fitting constant flow masks
- Maximum pressure 15 psi at 16 cfm output, 20 cfm output at 4 psi
- Electric motor: 2 HP, TEFC, 115/208-230 VAC, 20.0/10.0 amps, 60 Hz, 1 phase, thermally protected, CSA approved
- 0.5-0.7 micron inlet and compressor filters
- 0-30 psi pressure gauge
- Prewired with on/off switch and plug (115 VAC plug only)
- Approximate weight: 103 lbs.

**Note: BAC-17, BAC-20, and BAC-20P models are now available with an optional HEPA intake filter**

Model No.	Description
	<b>Basic Air Pumps</b>
BAC-10	2-worker ambient air pump
BAC-17	3-worker ambient air pump
BAC-20	4-worker ambient air pump
BAC-20P	4-worker pneumatic ambient air pump
	<b>Replacement Filters</b>
	Note: All ambient air pumps require two (2) replacement filters - the pump/compressor filter and the air intake filter.
BAC-393	Replacement pump compressor filter for all models (Box of 10)
BAC-10F	Replacement air intake filter - Model BAC-10 (Box of 27)
BAC-20F	Replacement air intake filter - Models BAC-17, BAC-20, BAC-20P (Box of 14)
BAC-20HF-1	Replacement HEPA (99%) air intake filter for Models BAC-17, BAC-20 and BAC-20P

Model No.	Description
	<b>Air Pump - Explosion Proof</b>
BAC-17EXP	3-worker explosion-proof ambient air pump, 230/460 VAC, 3-Phase, explosion-proof on/off switch sold separately



[Air Systems International BAC-10 Ambient Air Pump](#)

[Air Systems International BAC-17 Ambient Air Pump](#)

[Air Systems International BAC-17EXP Ambient Air Pump](#)

[Air Systems International BAC-20 Ambient Air Pump](#)

[Air Systems International BAC-20P Pneumatic Ambient Air Pump](#)