

# AIRPLUS® POWERED AIR SYSTEM

**Welding creates fumes. Depending on the ventilation in the work setting, a powered air system is the prudent approach to worker safety. The AirPlus® Powered Air System is the third generation development from the ArcOne® 20-year PAPR program.**

ArcOne's AirPlus® Powered Air-Purifying Respirator (PAPR) System is a motorized, battery operated system that blows a constant supply of fresh, filtered air over the face. It creates a positive pressure inside the respirator head top, keeping out harmful welding fumes and particulates.



## Features

- 8-Setting airflow control, minimum flow at 170 LPM
- Constant airflow correction technology
- Visual and audible alarms for low battery voltage
- 14-hour Lithium-Ion battery (at minimum fan speed) charges in 6 hours
- Audible and vibration alarms for low flow (clogged filter) and missing filter
- Ergonomic comfortable belt
- Flexible breathing tube with quick disconnect with fire retardant air-hose cover
- NIOSH 42 CFR Part 84 Approval Number: TC-21C-0947

## System Specifications

### BLOWER UNIT

Type .....	Flow Control
Motor Speed.....	6,000-10,000 RPM
Motor .....	Brush-less
Air Supply .....	Minimum of 6 Cubic Feet (170 liters/minute)
Case .....	Impact-proof ABS
Filter Cartridge .....	Single plug-in type
Hose Length .....	34.5 in / 876 mm
Hose Diameter (Internal)	1.1 in / 28 mm
Hose Connection .....	Quick Disconnect
Weight .....	1.4 lbs / 0.63 kg
Dimensions .....	7.1 x 3.7 x 7.4 in, 180 x 94 x 187 mm
Color.....	Black and Blue

### BATTERY

Type .....	Lithium-Ion
Voltage.....	7.4 V
Operating Time.....	14 hours at minimum fan speed
Charging Time .....	6 hours
Charging Cycles .....	350 (under ideal conditions)
Housing .....	Impact-proof ABS
Weight .....	0.78 lb / 0.35 kg
Dimensions .....	5.9 x 2.9 x 1.65 in, 150 x 74 x 42 mm
Color.....	Black

### CHARGER

Type .....	DC Rectifier
Primary Voltage .....	120 V / 60 Hz
Secondary Voltage.....	7.4 V
Output Current.....	DC 8.4 V, 1500 mA
Weight .....	0.24 lb / 0.110 kg
Dimensions .....	3.3 x 2.6 x 1.7 in, 84 x 66 x 43 mm
Color .....	Black
Approvals.....	CE and FCC

# AIRPLUS® SYSTEMS

PART #	DESCRIPTION
AP-1	AirPlus® Powered Air Purifying System includes Battery, Battery Charger, Waist Belt, Flame Retardant Tube & Hose Cover, Air Flow Indicator, Powered Respirator with HEPA filter & duffle bag.

## AIRPLUS® PARTS AND ACCESSORIES

PART #	DESCRIPTION
AP-BAT-02	AirPlus® Battery
AP-BLW-02	AirPlus® Blower Unit (includes one P3 Filter)
AP-CHG-01	AirPlus® Battery Charger
AP-BT-01	AirPlus® Breathing Tube without FR Cover
AP-BT-02	AirPlus® Long Breathing Tube without FR Cover
AP-BTC-01	AirPlus® Breathing Tube with FR Cover
AP-BTC-02	AirPlus® Long Breathing Tube with FR Cover
AP-BT-FR	AirPlus® Flame Retardant Hose Cover
AP-BT2-FR	AirPlus® Flame Retardant Hose Cover with extra length
AP-FIL-03-4	AirPlus® HEPA Filter (4-Pack)
AP-FIL-03-12	AirPlus® HEPA Filter (12-Pack)
AP-WBT-01	AirPlus® Waist Belt (34.5")
AP-WBT-EXT	AirPlus® Waist Belt Extension (10")
AP-AFI-01 ⚠	AirPlus® Air Flow Indicator
CA-CAC-02	Duffle bag



There are two head top options that pair with your AirPlus® PAPR System.



Vision®



AirShield®