

BISON LIFE®
Designed For Safety. Value For Life.®

ConAer™

CA2100

CE 2834 EN 12941

Intelligent Control

Respirator motor automatically adjusts the power and air-flow depending on the filter box loading.

High-Performance Motor

High-quality brushless motor, strong air volume, low power consumption, ultra-quiet running and up to 3 times longer motors life.

Real-Time Monitoring

Real-time monitoring displays the air-flow, battery power, particle filter loading for the user.

Triple-Alarm System

The warning light will flicker to indicate clogged filter or low battery, while the respirator will sound an alarm and vibrate.

Intelligent Control

Respirator motor automatically adjusts the power and air-flow depending on the filter box loading.

High-Performance Motor

High-quality brushless motor, strong air volume, low power consumption, ultra-quiet running and up to 3 times longer motors life.

Various Filter Options

User can choose P3/gas/odor filter according to different applications and work environments.

Airflow Indicator

Battery Indicator

ON / OFF Button

Filter Warning

The ConAer™ PAPR CA2100 is a high-performance Powered Air Purifying Respirator (PAPR) turbo unit designed to deliver continuous, clean, filtered air in demanding work environments. Engineered for industrial and laboratory use, it features efficient air delivery with adjustable flow rates, a rechargeable Li-ion battery with fast charging.

Industries



Automotive



Chemical



Pharmaceutical



Heavy Engineering



Windmill Manufacturing

Product Specification

Air Flow Rate (Low speed)	170+lpn
Air Flow Rate (High speed)	210+lpn
Battery type	Rechargeable Li-ion battery
Charge time	1 hour
Battery life	At least 500 charges
Fast Charging Std Battery duration	9 hours at 170+lpn; 5-6 hours at 210+lpn
Fast Charging Heavy Dusty Battery duration	15 hours at 170+lpn; 9 hours at 210+lpn
Weight	1020g (Turbo Unit + Fast Charging Standard Battery)
Filter efficiency	> 99.997%
Operating temp.	-5°C to 55°C
Storage temp.	-10°C to 55°C
Relative operating humidity (R.H.)	< 90%
Relative storage humidity (R.H.)	< 85%
Alarm	Audible, Visible, Vibration
Approval	CE 2834 EN 12941
Nominal Protection Factor (NPF)	500 for TH3 EN 12941

Material Of Construction

Turbo unit	Polyamide & Acrylonitrile Butadiene Styrene
Filter cover	Polyamide & Acrylonitrile Butadiene Styrene
Breathing tube	Polyurethane
Standard belt	Durable Polyester fabric
Easyclean belt	Durable Polyester fabric & TPU coated
Particulate filter body	Polycarbonate & Acrylonitrile Butadiene Styrene
Gas filter body	Polycarbonate & Acrylonitrile Butadiene Styrene

Applications

- Spray Painting
- Chemical Treatment
- Powder Handling & Mixing
- Clean Room
- Laboratory

Parts & Accessories

CABM2000

PAPR Turbo Unit Body



CA2101

Fast Charging Standard
Lithium Battery



CAP302

Particle filter (TH3 P filter)



CAPF01

Pre-filter



CASC01

Spark screen



CAFC01

Filter cover



CA2111

Fast-charging battery charger



CABC01

Standard Waist Belt

Packaging Information

1Set / Box

4Sets / Carton

Carton Dimension - 46x33x32 cm

Carton Weight - 8.4 kg, 18.518 lbs

SKU Information

Product SKU

BLSH-CA-2100

Inner pack UPC

810148536879

Carton GTIN

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PAPR Configurations

Turbo Unit



CA2100
PAPR Turbo Unit Body

Filter



CAP302
Particle filter (TH3 P filter)



CAGF01
Gas Filter A2



CAGF02
Gas Filter A1B1E1K1



CAOF01
Odour Filter



CAPF01
Pre-Filter



CASC01
Spark screen

Battery & Charger



CA2101
Fast Charging Standard
Lithium Battery



CA2102
Fast Charging Heavy Duty
Lithium Battery



CA2111
Battery Charger

Breathing Tube & Sleeve



CABT01
Standard
Breathing Tube



CABT02
Quick Release
Breathing Tube



CABTCG
FR Breathing Tube Cover



CABTCW
Breathing Tube Cover

Belt



CASS01
Shoulder Strap



CABC02
Standard Belt Cushion



CABC01
Standard Waist Belt



CABC03
High End Waist Belt
(Flame Retardant)



CABP01
Turbo Unit Back Pack

Hood / Face Shield & Welding Helmet



W400 Air
Auto Darkening
Welding Shield



W500 Air
Flip-up Auto Darkening
Welding Shield



HH500
Hard Hood



SH300
Soft Hood
with Shroud



SH400
Soft Hood
with Long Shroud