



# € 2834 EN 12941

Powered Air Purifying Respirator

## Product Specification

Air Flow Rate (Low speed)	170+lpm
Air Flow Rate (High speed)	210+lpm
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+lpm; 5-6 hours at 210+lpm
Fast Charging Heavy Dusty Battery duration	15 hours at 170+lpm; 9 hours at 210+lpm
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
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
Soft hood	Polyurethane coated knitted Polyamide
Hard hood	Polycarbonate & Polybutylene terephthalate
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

## Industries

-  Automotive
-  Chemical
-  Pharmaceutical
-  Heavy Engineering
-  Windmill Manufacturing

### 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



## Packaging Information

1 Set / Box

4 Set / Carton

Carton Dimension - TBD

Carton Weight - TBD

## SKU Information

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-CA-2100ECB	TBD	TBD	TBD

## 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



### **CABC02**

Easy Clean Belt Cushion



### **SH300**

Soft Hood with Shroud



### **CABTA01**

Standard Breathing Tube  
with Air Indicator



### **CABTCW**

Breathing Tube Cover

## 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

### 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**  
Easy Clean 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