

## KL99-PAPR

### Product Application

The KL99-PAPR is a battery-powered fan that together with a filter and an approved head top, is included in the fan-assisted respiratory protective device systems. This applies particularly to work that is hard, warm or of long duration. The human interface may consist of a hood, face shield, half mask or full face mask. The fan is equipped with a filter, and the filtered air is fed through a hose to the human interface. The pressure then generated prevents surrounding pollutants from penetrating into the mask. Power blower unit provides filtered air for the widest range of industrial applications as diverse as industrial welding, agriculture and waste disposal.



## Browser

This product is a newly developed electric respirator of our company, featuring advanced design, small size, compact appearance and advanced configuration. Its rated air supply volume is 95-100 L/min. The respirator is with a three-pot structure design and it is also equipped with rechargeable lithium battery, making it an ideal breathing apparatus with high efficiency, energy saving, good stability, high safety and reliability.

The long tube supplied air respirator is widely used by emergency rescue, disaster relief workers or operation personnel in petroleum, chemical industry, ship, smelting, coal gas, cold storage, urban construction, laboratory and other sectors, to perform safe and effective rescue, disaster relief and production operations in smoke, steam dust, harmful gas or oxygen-deficient environments.

The product is composed of a rechargeable lithium battery electric blower as the air source, a corrugated hose and a full face mask, connecting with filter cartridge to meet people's breathing needs.



Figure1

## Overall structure

The overall structure of the electric blower is shown in Figure 2



- ① mask interface
- ② air supply interface
- ③ release button
- ④ power indicator
- ⑤ filter cartridge interface (totally 3pcs)
- ⑥ power button
- ⑦ working indicator
- ⑧ blast pipe

### Hood



### Simple five-claw mask



## Main Functions and Parameters

Technical Parameter	
Battery	12V/3400mAh chargeable Li-ion Battery
Working hours at full power	>4 hours
Charging Cycle Times	>200 times
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Air output gear	135L/min
Acoustic sound level	<50dB
Size	185(length) x 162(width) x 101(height)
Weight	<850g
Filter	With three replaceable filters
Green LED power indicator	
Fast lock and unlock structure	
Automatic detection and warning of low voltage	
Normal use after 7J energy shock	
Heat-resistant and cold-resistant	



USP

UNIVERSITY OF THE SOUTH PACIFIC  
 SCHOOL OF ENVIRONMENTAL SCIENCE AND  
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 SUVA  
 2018

INSTITUTIONAL MEMORANDUM  
 TO: THE VICE CHANCELLOR  
 FROM: THE DEAN OF THE SCHOOL OF ENVIRONMENTAL SCIENCE AND FORESTRY  
 SUBJECT: [Illegible]



## 03D A2B2E2K2P3 R

Filter interface: RD40

Specifications:  $\Phi 102 \times 65$  mm

Filter Precision:  $0.07 \mu\text{m}$

Filter Efficiency:  $>99.97\%$ .

When complying with all instructions, restrictions and applicable safety and health regulations, the filters and air filters can be used in conjunction with the self-priming gas mask full or half mask to provide limited respiratory protection in the corresponding air pollution areas.

Can not be used: pollutant concentration is too high or unknown environment.

Can not be used: air oxygen content less than 18% of the environment, underwater operation escape and hot spot for fire fighting

Can not be used: closed operating environment, such as wells, tanks or relatively sealed environment.

### 2. Instructions for Use

- a. Please read this manual carefully before use to check whether the type of filter is consistent with the protective gas in the polluted area, and check the connection between the filter and the mask. Users are obliged to conduct pre-job training for users.
- b. The filter is easy to absorb moisture. It is not allowed to open the package, unscrew the lid or the bottom plug before use. The filter is not recommended to be reused.
- c. Due to the influence of temperature, humidity and pollutant concentration in the polluted area, the protection time of the filter is only used as a reference value. If you smell odor or dizziness, nausea, dyspnea, etc., you should immediately evacuate the polluted area and check or replace the filter or respirator.
- d. Special attention should be paid to the protection of colorless, odorless and harmful gases (such as mercury, carbon monoxide, etc.) and they should be accompanied by operations.

### 3. Protection Object

Benzene, Anilines, carbon tetrachloride, nitrobenzene, trichloronitromethane, hydrocyanic acid, cyanogen chloride and chlorine, Sulphur dioxide and ammonia, dust, fume, mist, and oily non-oily particulate pollutants

The protection effect of  $0.07$  micron particles can reach  $99.97\%$

***The canister can be customized according to customer needs***

## Package

The electric blower is packed in a packaging box. Each box contains:

Electric blower	1pc
Waist pad	1pc
Air supply pipe	1pc
Instruction manual	1pc
Charger	1pc