

# PRODUCT MIX



FreFlow™ V1



FreFlow™ V3

## Respirator Specifications

Airflow Rate	Battery Type	Charge Time	Battery Life	Filter Efficiency	Operating Temperature	Storage Temperature	Weight (Blower+Battery)
Manufacturer's minimum design flow rate: 165+lpm (5.8+cfm) Low-speed: 170+lpm (6+cfm) High-speed: 210+lpm (7.4+cfm)	Rechargeable Li-ion Battery	Standard battery: 1 hours Extended battery: 2 hours	550 charges	99.97%	-4°F to 140°F (-20°C to 60°C)	-4°F to 113°F (-20°C to 45°C)	1020g

## Respiratory Protection

# FreFlow™ V

## FreFlow™ V1

1/1/1/1 Highest Optical Class



Easy Operation



Curved 3D Feature



High-impact Resistance



Infinite Adjustment



Wide Application



Weld / Grind Easy Switch



Patented Headgear



Applicable with PAPR



\* For more information about welding helmet, please refer to page 20

## FreFlow™ V3

1/1/1/1 Highest Optical Class



Easy Operation



Hard Hat Adapter



Curved 3D Feature



High-impact Resistance



Wide Application



Patented Headgear



Applicable with PAPR



Side Lens



\* For more information about welding helmet, please refer to page 22

## Respiratory Protection

# Blower Unit



Filter efficiency  
**≥ 99.97%**

## ALL IN ONE SYSTEM ALL FOR YOUR SAFETY

This product with respiratory purifies certain airborne contaminants, including dust, pollutants, fine particles as well as other contaminants, welding dust, metal dust. Supplying clean air to the user's facial space.



### High Filter Efficiency

Multi-layer filtration with particle box filtration provides efficiency of up to 99.97%. The TECMEN filtration prevents siphoning in toxic particles.



### Real-time Display Monitoring

Real-time monitoring displays the air-flow, battery power, particulate matter and filter box blockage for the welder.



### Intelligent Control

Respirator motor automatically adjusts power and air-flow depending on the degree of blockage of the filter box.



### High Quality Motor

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



### Auto-alarm System

When the filter is blocked beyond sufficient air-supply, a warning lamp will flicker automatically and the respirator will sound and vibrate.



### Applicable High Altitude

The self-correcting feature senses air density allowing the welder to be comfortable and work safely in high altitude areas.



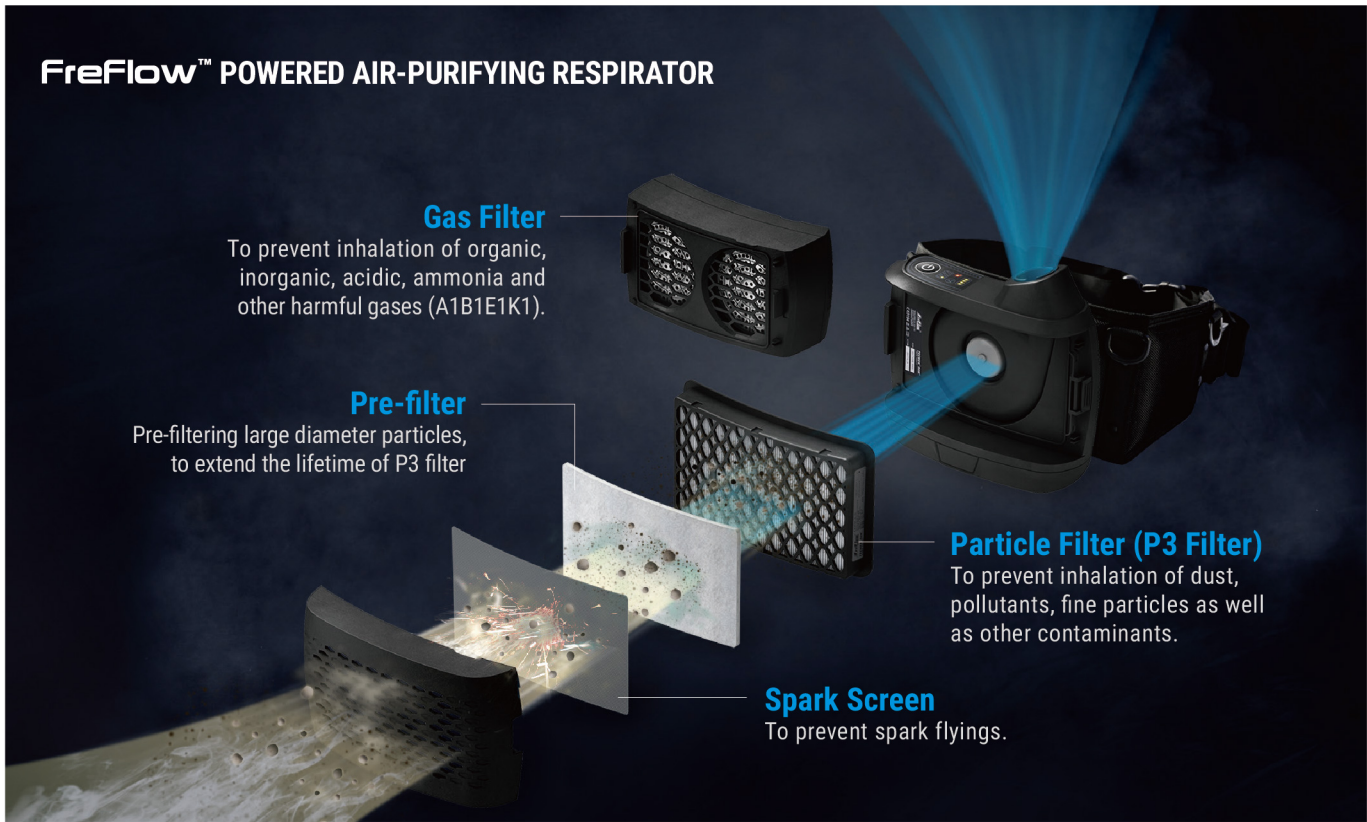
### Replaceable Filter Units

User can choose different filter according to different application and work environment.



### Wide Application Range

Respirators can be used in many different industrial fields such as polishing, welding and metalworking.



## FreFlow™ POWERED AIR-PURIFYING RESPIRATOR

### Gas Filter

To prevent inhalation of organic, inorganic, acidic, ammonia and other harmful gases (A1B1E1K1).

### Pre-filter

Pre-filtering large diameter particles, to extend the lifetime of P3 filter

### Particle Filter (P3 Filter)

To prevent inhalation of dust, pollutants, fine particles as well as other contaminants.

### Spark Screen

To prevent spark flyings.

### Filtering component:

Selectively choose different filter as needed, adaptable system that helps cost-saving.



Particle filter (P3 Filter)



Gas filter



Odor filter

### Two battery type options:

Light weight Li-ion battery, reduce the weight of PAPR system. Fast-charging design saves time and improves efficiency.



Standard fast-charging battery



Extended fast-charging battery

### Battery performance for different applications

No.	Battery Type		Filter Type		Airflow Rate		Battery Duration	
	Standard	Extended	Particle	Gas	170+lpm	210+lpm	EN12941 Requirement	TECMEN Performance
1	✓		✓		✓		4 hours	9 hours
2	✓		✓			✓	4 hours	5-6 hours
3	✓		✓	✓	✓		4 hours	6 hours
4	✓		✓	✓		✓	—	3-4 hours
5		✓	✓		✓		4 hours	15 hours
6		✓	✓			✓	4 hours	9 hours
7		✓	✓	✓	✓		4 hours	11 hours
8		✓	✓	✓		✓	4 hours	7.5 hours