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Intelligent Filtration Comfortable and Safe

TM-H2 Hood with Powered Air Purifying Respirator

Essential for three-level protection



Droplets



Virus



Particulates

TECMEN TM-H Hood with
Powered Air Purifying Respirator

FreFlow™ V1 TM-H2

High Efficiency Filtration Intelligent Air Supply

Chinese Center for Disease Control and Prevention, the Bureau of Disease Control and Prevention of National Health Commission of the P.R.C. has recommended personal safety protective equipment for high-risk operation in corona virus control and prevention. TH3 respiration protection level, filtration efficiency >99.99%, effectively protect against hazardous particulates including virus in air, ensure life safety and comfortable operation of medical workers.



CE EN 12941 TH3

Schematic diagram of filtration



Higher safety level

CE EN12941 certified, reach TH3 respiration protection level. P3 filter with filtration efficiency >99.99%.



Extremely comfortable

Positive-pressure air supply, stably convey filtered clean air to head and face of wearer, micro-positive pressure protecting wearer from respiratory resistance, avoiding stuffiness and facilitating respiration.



Anti-fog, more reliable

Clear vision without fog, ensuring smooth operation and testing. Reduce visual obstruction, effectively improve work efficiency and operation correctness.

Product Comparison

Self-priming Filter (Mask/half Mask)



Positive-pressure Air Supply (Hood with Powered Air Purifying Respirator)



Wearing technology requirements

✗ Need to ensure complete fit, and conduct air tightness test according to individual experience

✓ Simple to wear, one-way air supply, no air tightness test required

Respiratory protection level

✗ 95% filtration efficiency

✓ >99.99% filtration efficiency

Protective coverage

✗ Block nose and mouth pollutants only

✓ Comprehensive protection of eyes, face and respiratory tract

Wearing comfort

✗ If wearing glasses, it is prone to fogging. High respiratory resistance

✓ Positive-pressure air supply principle, anti-fog, no resistance to respiration

Applications

Municipal hospitals and intensive ICU wards in Wuhan and other cities in Hubei

Wuhan Jinyintan Hospital, Wuhan Huazhong University of Science and Technology Tongji Hospital, Wuhan First Hospital, Wuhan People's Hospital, Wuhan Eighth Hospital, Jilin Infectious Disease Hospital, Handan Fourth Hospital, Qiqihar Medical College First Affiliated Hospital, Guangyuan first people's hospital.etc.

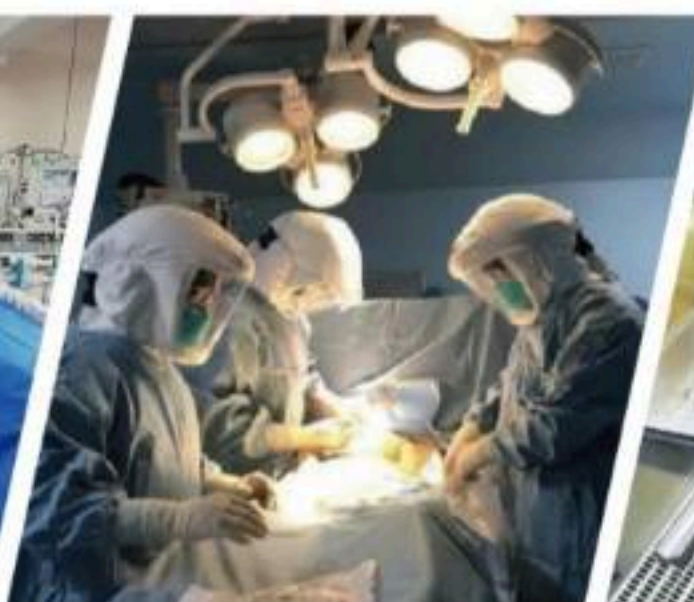
Laboratory / CDC nucleic acid testing

COVID-19 Nucleic Acid Acid Testing Laboratory of Hangzhou Chun'an County CDC, Zhejiang Jinhua CDC, Hangzhou CDC, Qinghai Hainan Tibetan Autonomous Prefecture CDC, University of Chinese Academy of Sciences, Changzhou CDC,etc.



COVID-19 negative-pressure ward and isolating ward

Sputum suction, tracheal intubation



Sputum suction, tracheal intubation

Surgery for coronavirus and suspected patients



Clinical lab

Coronavirus nucleic acid detection



Pathology

Patient examination/autopsy

Product overview



Product model	FreFlow V1 TM-H2
Product name	TECMEN TM-H Hood with Powered Air Purifying Respirator
Description	White
Standard approved	EN 12941 TH3

TM-H2 Protective Hood



Product model	TM-H2
Product name	Protective Hood
Material	Barrier membrane of composite fabric, 87g/cm ²
Description	White

FreFlow Powered Air Purifying Respirator



Product model	FreFlow V1
Product name	Powered Air Purifying Respirator
Description	FreFlow V1 Powered Air Purifying Respirator (including Blower Unit, Air Hose, Belt Cushion, Battery Charger, Airflow Indicator, Air inlet Plug, Air outlet Plug)
Flow design	Manufacturer's minimum design flow rate: 165+lp _m (5.8+cf _m) Low speed: 170+lp _m (6+cf _m) High speed: 210+lp _m (7.4+cf _m)
Battery type	Chargeable Li-ion
Battery duration	9 h - low speed (170+lp _m); 5-6 h - high speed (210+lp _m)
Battery charging time	About 1 hour for standard type
Filtering efficiency	> 99.99%
Main body weight	1020g

Applications

- ✓ Isolating ward and medical observation site
- ✓ Transfer of the infected
- ✓ Corpse treatment
- ✓ Environment disinfection
- ✓ Sample collection
- ✓ Laboratory testing



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