



非织造改变世界
NONWOVEN CHANGES THE WORLD

GUANGDONG HUIMING
NONWOVEN TECHNOLOGY CO.,LTD

ABOUT HUIMING

As a high-tech enterprise integrating R&D, production, sales and service of non-woven materials, the company has been deeply engaged in fields such as beauty, medical, hygiene, filtration, antibacterial, construction and packaging materials. Equipped with multiple advanced production lines, first-class technical talents and a strict quality management system, it has won high recognition in the industry for its quality and service.

After years of focused R&D and production, our company has now stepped into the rank of leading enterprises in the application field of domestic non-woven materials, and has successively become a high - tech enterprise, the Vice President Unit of Guangdong Indoor Environmental Health Industry Association, and a Member Unit of Guangdong Medical Device Industry Association.

The company possesses numerous invention patents and utility model patents, and has achieved fruitful results in the fields of air filtration materials, liquid filtration materials, functional non-woven materials, medical consumables, beauty and daily chemical materials, construction geotechnical auxiliary materials, etc. Products are widely used in extensive fields such as automobiles, white goods, labor protection, industrial purification, medical auxiliary materials, beauty and daily chemicals, geotechnical building materials, etc., such as oil and fuel filters, air purifiers, vehicle purifiers, household humidifiers, fresh air system filters, civil masks, industrial masks, gas masks, ventilators, medical disposable protective covers, formwork fabrics and formwork fabric spray adhesives, makeup remover and nail polish remover cotton, and various other products.

The company upholds the mission of "Changing the World with Non-woven Materials", adheres to the corporate spirit of "Clear Goals, Unswerving Commitment, Hard Work Pays Off, and Sustainable Operation", and continuously creates value for various industries in society, enabling more people, families, and organizations to benefit from non-woven material services.

As a professional manufacturer of deep-processed non-woven material products, Huiming's vision is to become a leading enterprise in the application field of China's non-woven material industry, enabling every employee to live a dignified life, every customer to obtain high-quality products, and every product to realize its due value.

The company strictly adheres to the requirements of the ISO quality management system, always remembering that quality is the cornerstone of an enterprise's survival. It accurately transmits customers' requirements and expectations throughout the entire production process to jointly build quality. Upholding the business philosophy of "Integrity, Dedication, Innovation, Collaboration, Learning", the company balances opportunities and risks with employees and customers to strive for sustainable development.

Huiming promises to provide customers with high-quality products and services. We thank new and old customers for their support and welcome you to walk alongside Huiming to share in growth.

PRODUCT CATEGORY

Gaseous Purification Series

—— Formaldehyde removal, ammonia removal, TVOC removal, dust removal, particulate matter removal, PM2.5 removal.

Mainly includes electrostatic electret melt-blown filter materials, high-efficiency low-resistance electrostatic filter cotton, composite skeleton non-woven fabrics, modified activated carbon interlayer fabrics, and other composite filter materials.

Liquid Purification Series

—— Residual chlorine removal, antibacterial, mildew removal, impurity removal, slag filtration, oil absorption, oil-gas filtration.

Mainly includes modified activated carbon filter cotton, antibacterial filter cotton, antiviral filter cotton, oil-gas separation filter cotton, food-grade filtration and special non-woven fabrics for packaging.

Functional Non-woven Series

—— Antibacterial, antiviral, formaldehyde removal, flame retardant, oil absorption, waterproof, high temperature resistance, UV resistance and anti-aging.

Mainly includes antibacterial and antiviral skeleton fabrics, formaldehyde-removing skeleton fabrics, flame-retardant oil-absorbing non-woven fabrics, modified activated carbon non-woven fabrics, high-temperature and aging-resistant non-woven fabrics, etc.

Medical and Hygiene Series

—— High elasticity, water repellency, hydrophilicity, light shielding, antibacterial, antiviral.

Mainly includes electrostatic electret melt-blown fabrics, horizontal elastic non-woven fabrics, vertical elastic non-woven fabrics, composite elastic non-woven fabrics, composite light-shielding materials, etc.

Beauty and Daily Chemical Series

—— High breathability, high water absorption, high tensile strength, with biocompatibility reports.

Mainly includes depilatory wax paper base fabrics, hand and foot mask base fabrics, facial mask base fabrics, cotton pad base fabrics, etc.

Geotechnical and Building Materials Series

—— Patented products, waterproof materials, high-breathability materials, high tensile strength.

Mainly includes special waterproof and breathable formwork fabrics for concrete formwork, special spray adhesives for formwork fabrics, geotextiles, seepage-proof membranes, waterproof coils, etc.



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Initial Filtration Cotton

The primary filtration cotton is a synthetic fiber filter material with increasing density at each level. It is economical and practical, has low initial resistance, a high dust holding capacity, and is elastic. This product is a commonly used and widely employed filtering material in air filtration. It mainly filters dust particles in the air with a diameter of $\geq 5 \mu\text{m}$ and is suitable for coarse dust filtration. It is used as a pre-filter in air filtration systems and at the inlet of ventilation equipment and air control systems, typically in areas where it comes into direct contact with outdoor air for pre-filtering or coarse filtering.



Product Advantages

1. Primary filtration, large dust holding capacity: High-density fibers, strong air permeability, can quickly adsorb dust, strong dust removal performance;
2. Various fields, multiple uses: Dust prevention and removal, air filtration, liquid filtration, impurity adsorption, heat insulation and heat preservation;
3. Multiple specifications, professional customization: Thickness can be 2-30mm, using high-quality long fibers, densified and thickened, with excellent dust removal effect;
4. High-temperature shaping, sturdy and durable: High-temperature drying, heat pressing shaping, increases its stiffness, the connection between fibers becomes more compact and stronger;
5. Safe and non-toxic, environmentally friendly: Green and environmentally friendly, using non-toxic and harmless safe raw materials, no additives, in line with national environmental protection standards.



Item	Filtering Medium	Filter Efficiency	Initial Resistance	Limiting Resistance
G2	0.5、1.2 μm	60%	20Pa	250Pa
G3	0.5、1.2 μm	85%	30Pa	250Pa
G4	0.5、1.2 μm	95%	40Pa	250Pa

Product Application



Primary Efficiency Folding Filter



Primary Efficiency Flat Plate Filter



Ventilator Filter Cotton

The primary air filter cotton is made of high-quality and environmentally friendly polyester fibers, processed by a hot-melt technique. The fibers are closely connected to each other, thus this product has the advantages of high air permeability, high dust collection efficiency and strong adsorption capacity. This product is widely used and is mainly used for adsorbing 25 μ m dust particles in the air. It can filter out a large amount of dust particles (such as dust, smoke dust, mine dust, powder, industrial waste gas, etc.) contained in the air. For example, it can be used in painting rooms, ventilation equipment air inlets, dust-free workshops, etc. In addition, it can also be used to adsorb impurities in liquid wastewater such as pools and fish tanks, and can also play some roles of heat preservation and insulation.



Spraying Operation



Cleanroom Air Conditioning System



Air Filtration for Ventilators

- In daily life scenarios: Excessive dust can seriously affect human health. Therefore, primary filtration cotton is widely used in the pre-filtering of air filtration systems, especially in places such as high-speed trains, bullet trains, subways, office buildings, and airports;
- In precise environments: Dust in the air landing on the rotating parts of machines will accelerate the wear of the rotating parts, reduce the accuracy and lifespan of the machine's operation. Therefore, it is suitable for fields such as precision electronics, optical electronics, and biopharmaceuticals;
- In production environments: Dust spreads throughout the production workshop, reducing air visibility, affecting vision, hindering operations, and lowering labor productivity. Even causing accidents. Therefore, primary filtration cotton is also often applied in fields such as spraying, electroplating, and food production.



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Medium-efficiency Filter Cotton

Medium-efficiency filter cotton is generally used for the secondary filtration or final filtration after the primary filtration, and is commonly found in plate-type and bag-type filters. Besides, this medium-efficiency filter cotton can also be used in household environments, such as air conditioners, household ventilators and oxygen generators. Besides air purification, this material can also be used in water purification scenarios, such as aquarium filtration and wastewater treatment.

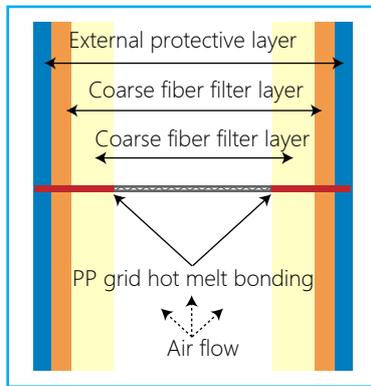


Product Advantages

Item	Gram	Thickness	Efficiency	Resistance	Application
F5	114±3g	3±1mm	50%	4-5Pa	Medium-efficiency filter as a pre-filter
F6	124±3g	4±1mm	65%	4Pa	Commercial buildings, theaters, stations, airports
F7	137±3g	4±1mm	88%	13Pa	Spray painting booth, school, beside the computer
F8	146±3g	4±1mm	95%	18Pa	Petroleum industry, food and pharmaceutical factories, painting, electronics factories, hospitals, laboratories
F9	157±3g	4±1mm	97%	22Pa	Precision electronics industry, defense factories, sterile rooms, sterile workshops



Medium-efficiency Filter Bag



Product Composition



Medium-efficiency Filter Bag

The medium-efficiency filter cotton material adopts high-quality ultra-fine fiber meltblown with gradually increasing density. Its seismic structure employs multi-layer gradually densifying technology, that is, the fiber density of the purified air gradually increases. It is made of strong and flexible synthetic fibers. The filter material itself does not contain silicone and is particularly suitable for use in spray painting workshops. The non-biological active filter material ensures that microorganisms cannot breed. It can effectively remove fine dust (with a filtration efficiency of $\geq 1.0\mu\text{m}$ particles ranging from 40% to 60%) and microorganisms. It has strong water resistance, large dust capacity, high efficiency, and low pressure drop. Medium-efficiency air filter cotton is suitable for air conditioning application fields, such as air conditioning systems in commercial buildings, warehouses, schools, laboratories, dust-free workshops, clean workshops, etc. Surface treatment and coating industries are the industries where air filter cotton is most widely applied.

Product Application

1. Fine filtration for the ventilation system of spray painting rooms and baking painting rooms;
2. Dust removal and filtration for coating equipment, coating systems, and coating workshops;
3. Secondary filtration of the ventilation system in the spraying system and baking devices;
4. Medium-efficiency flat-type filter material;
5. Usage of slicing, slicing frame assembly, and complete rolls;
6. Main filtration of commercial and industrial ventilation systems and air conditioning systems.

Among them, in commercial and industrial ventilation systems and in the main filtration of air conditioning systems, this product is mainly used for:

1. Cleanroom fresh air system and mid-stage filtration of fresh air units;
2. Secondary and final filtration of the central air conditioning system;
3. Main filtration of the air purification equipment;
4. Pre-filtering of the advanced filter.

Class 2 Cleanroom Purification



Cleanroom - Secondary Purification Level



Food Production Workshop



Hospital Operating Room



Aseptic Laboratory



Automobile Manufacturing



Semiconductor



Fish Tank Filtration



Air Conditioning Outlet





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Meltblown Fabric/Water-resistant Meltblown Fabric/Antibacterial and Antiviral Material/Low-Resistance High-efficiency Material

Product color: The regular color is white.

Product specification: 25gsm, can be customized according to the size and thickness specifications of the product.

Product material: 100% polypropylene.

Filter efficiency (ordinary): BFE99+, PEF95+.

Product resistance (ordinary): 25~35PA.

The technical parameters of the water-resistant meltblown material are as follows:

Gram g/m ²	Thickness mm	32L/min		60L/min	
		Efficiency(%)	Resistance (Pa)	Efficiency(%)	Resistance (Pa)
50(25X2)	0.4	≥99.93	≤22.8	≥99.77	≤42.5
50(25X2)	0.4	≥99.94	≤27.5	≥99.85	≤51.3
60(20X3)	0.5	≥99.994	≤54.3	≥99.984	≤102



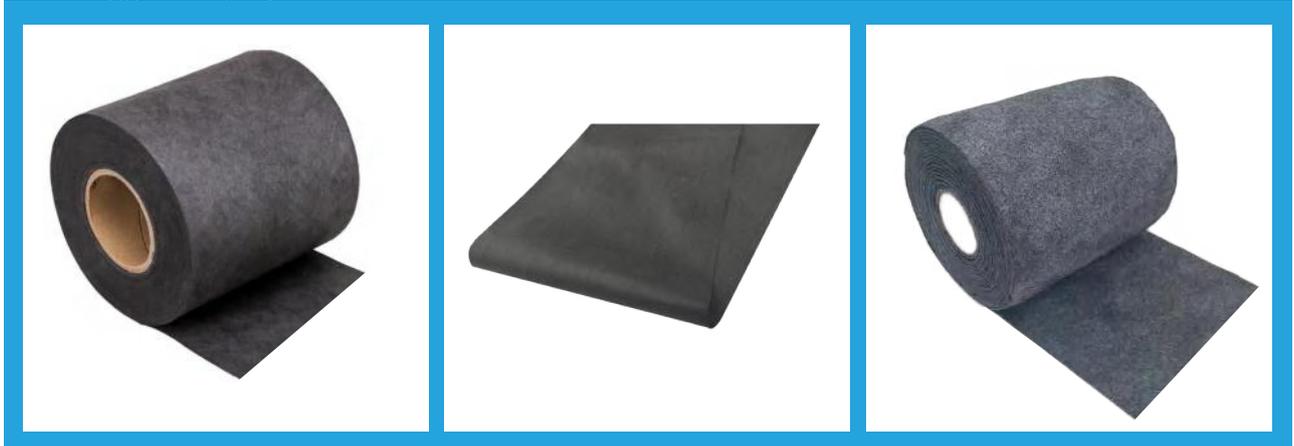
Product Advantages

- The product has many gaps and a loose structure, with excellent wrinkle-resistance capabilities;
- The ultra-fine fibers possess a unique capillary structure, featuring low resistance, high efficiency, and high dust-holding capacity;
- The unique ultra-fine fibers result in a large specific surface area, excellent filtering, shielding, thermal insulation, and oil-absorbing properties.

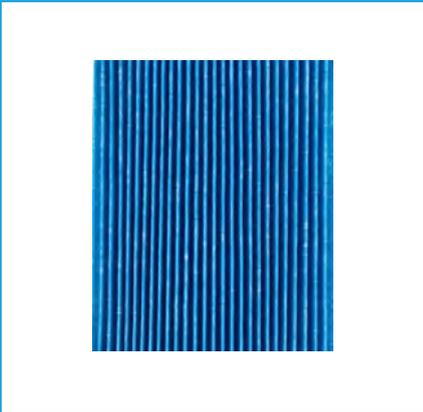
Product Application

Filtration materials; Medical and health care materials (activated carbon masks, industrial dust-proof masks, anti-toxic masks).

- Environmental protection materials: (Oil-absorbing) sound insulation and sound absorption materials, shock-absorbing materials, used in the automotive and construction industries;
- Clothing materials (Their warmth retention is 1.5 times that of down, suitable for ski suits, hiking suits, bedding, sleeping bags, thermal underwear, etc.);
- Cleaning materials (Used for cleaning precision instruments and equipment, and also for household cleaning); Battery separator materials.



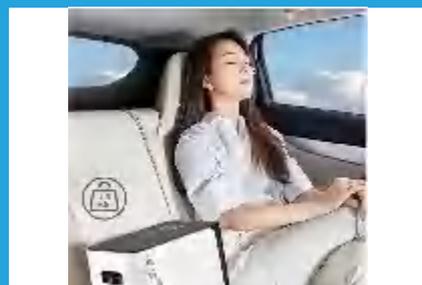
Melt-blown fabric combined with a framework or activated carbon is used as a filtering material: for air filtration and water filtration.



Melt-blown fabric and electrostatic cotton low-resistance high-efficiency materials are used in medical and health care (for air filtration, oxygen generators, oxygen concentrators, ventilators, etc.)



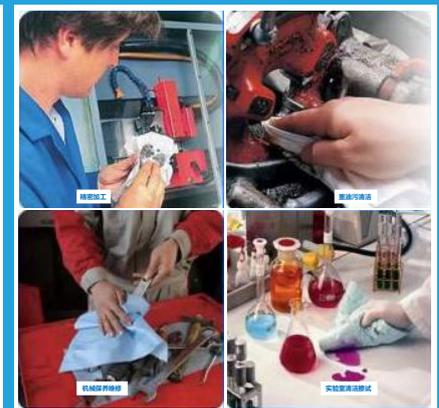
Ventilator Filter Membrane



Oxygen Generator Filter Element

Good air permeability
High efficiency circulation
Low resistance - no need to hold your breath

Melt-blown Fabric is used for Cleaning and Wiping.





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Antibacterial Mesh Non-woven Fabric

The antibacterial and formaldehyde-removing flooring material features low weight, small thickness, good support effect, high stiffness and resistance to deformation; it has strong air permeability and low resistance. It can effectively inhibit bacteria and remove formaldehyde. It has high tensile strength and is easy to be combined and pleated. It is mainly used as a supporting material in composite filtering media such as automotive air conditioners, air purifiers, fresh air systems and industrial filters.

The antibacterial flooring material has extremely low resistance and can be combined with high-efficiency low-resistance melt-blown fabric or electrostatic cotton to effectively adsorb and purify harmful suspended substances in the air.



Product Features

- ▶ The removal rate of formaldehyde is 95% or higher;
- ▶ The antibacterial rates of Staphylococcus aureus, Escherichia coli, and Candida albicans are 99% or higher;
- ▶ For African swine fever virus (ASFV) and swine influenza virus H3N3, the antiviral activity rate is as high as 99%.



Toxicity Test for Formaldehyde Removal

Testing Pollutants	Duration of effect	Test Results		Removal rate(%)
		Blank Test Chamber Concentration Value(mg/m ³)	Sample Test Chamber Concentration Value(mg/m ³)	
Formaldehyde	24H	1.14	0.027	97.6

Antibacterial Test

Testing Microorganisms	Standard Blank Sample "0" Contact Time Viable Bacterial Concentrationcfu/ml	The Viable Bacterial Concentration of the Standard Blank Sample after 18 Hours of Oscillationcfu/mL	The Viable Bacterial Concentration of the Antibacterial Fabric Sample after 18 Hours of Oscillationcfu/mL	Antibacterial Rate(%)	Standard Requirements
Escherichia Coli	2.6x10 ⁴	1.6x10 ⁷	4.9x10 ⁴	99	≥70
Golden Staphylococcus	2.4x10 ⁴	2.2x10 ⁶	6.1x10 ³	99	≥70
Candida Albicans	1.8x10 ⁴	1.8x10 ⁶	3.5x10 ⁴	98	≥60

Granular Activated Carbon Composite Non-woven Fabric

It is made by combining high-quality granular coconut shell activated carbon and non-woven fabric through a specific production process. It features excellent adsorption performance, high strength, easy molding, low resistance, and long service life. It has a good adsorption effect on pollutants such as benzene, formaldehyde, sulfur dioxide, sulfhydryl compounds, and ammonia. The advanced composite process has enhanced the filtration efficiency of the product over the original filter medium, and also avoids secondary pollution caused by carbon leakage from the product.

Product Features

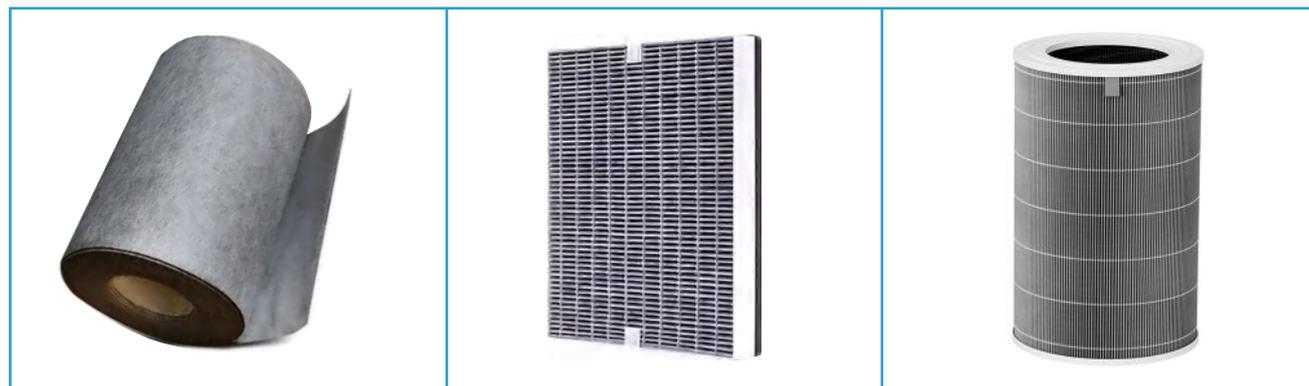
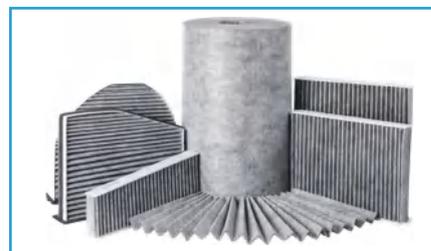
- Using high-quality coconut shell activated carbon particles as the adsorption material, it is attached between two layers of non-woven fabric or long fiber substrates to form;
- It has a high carbon content, good adsorption effect, good air permeability, low air flow resistance, good molding property, and can be freely cut or folded;
- It has certain anti-corrosion effects on common solvents, weak acids or weak bases.

Standard Technical Parameters

Gram(g/m ²)	Thickness(mm)	Air resistance(Pa)	Air permeability(L/m ² .s)	Carbon content(%)	Adsorption rate(%)
350	1.0	≤8	> 800	> 80%	> 25%
500	1.2	≤9	> 1000	> 80%	> 25%

Application Fields

1. Dust removal, odor elimination and air filtration for air conditioning and ventilation systems;
2. Purification and adsorption of harmful gases such as formaldehyde and toluene;
3. Air purification for household and commercial use, purification of air conditioning systems;
4. Materials for car air conditioning grilles;
5. Other purification products, ventilation accessories, functional masks, smoke filtering from moxa;
6. Cutting and use, discounted packaging and framing for cutting, use of whole rolls.





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Ventilator Filter Material

The various air filter cotton sheets produced by our company can remove PM2.5 fine dust and some invisible harmful gases in the air. With multiple layers of filtration, the filtration efficiency can reach up to 99.99%. They are widely used in masks, ventilators, bacterial filters, functional testing instruments, etc.

Specifications: Thickness ranging from 1 to 10 mm, customizable size specifications;

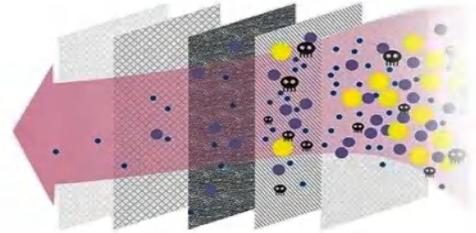
Features: Resistant to acid and alkali, good heat resistance, large dust capacity, excellent air permeability;

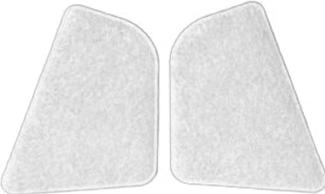
Applications: Air filtration for ventilators, replaceable filter sheets for masks, bacterial filter mouthpieces and electric mask filter pads, etc.



Product Advantages

1. Customizable size, shape, flange style or edge sealing style;
2. Multi-layer efficient filtration, with filtration efficiency ranging from 95% to 99.99%;
3. Low pressure drop/pressure difference/resistance, with the minimum value reaching 8 to 15 Pa;
4. Medical-grade materials, and can provide reports such as SGS, RoHS, REACH, etc.



		<p>Model: Yuwell Oxygen Generator 8F Series Thickness: 2mm Size: 65mm * 50mm Features: High-density felt, high filtration accuracy, large dust holding capacity, washable</p>
		<p>Model: Philips Ventilator V60 Thickness: 2mm Size: 120mm * 70mm Features: Original frame is stiff and of good quality, Medical-grade electrostatic filter cotton is highly efficient and has low resistance.</p>
		<p>Model: Haier Respirator AS100A Thickness: 2mm Size: 63mm * 45mm * 28mm Features: Ultra-fine filter cotton, safe and non-toxic, original edge sealing without shedding fibers</p>
		<p>Model: Philips Dream Series ventilator Thickness: 2mm Size: 39.4mm * 16.4mm Features: Ultra-fine fiber cotton, 4-layer composite, effectively filters PM2.5 fine dust</p>
		<p>Model: ResMed S9/S10 ventilator Thickness: 2mm Size: 53 mm * 35 mm Features: 5 layers of ultra-fine filter cotton, original pressure pad, low resistance, higher filtration efficiency</p>
		<p>Model: ResMed Air Mini ventilator Thickness: 3mm Dimensions: 31mm * 32.5mm Features: Ultra-fine filter cotton, original packaging Sealing edge, low resistance for efficient PM2.5 filtration</p>

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