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Nanjing Blue Sky Filter Co.,LTD.



“True” Manufacturer to make “True” HEPA Filters

Professional * Support

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V-type Air Filters

Large filtration area, low resistance and strong structure

Product Structure:

Outline border

Use galvanized frame, aluminum frame, plastic frame or stainless steel

Filter material

The use of thinner ultrafine glass fiber filter paper without separator filter element

Efficiency

Medium efficiency (F6-F9), sub-efficiency (H10-H12) to high efficiency (H13-H14), there are a variety of efficiencies for customers to choose from





Features:

High efficiency, large air volume, large dust capacity, low operating cost; The automatic folding machine system controlled by computer is used to spray glue folding. The folding height range can be adjusted between 22mm and 96mm stepless. Each filter is strictly tested. The filtration efficiency of 0.3um particles is above 99.97%.

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Applicable Scenarios

usage



Commercial and industrial ventilation systems, open end filtration of air conditioning systems

1. Clean room fresh air conditioning system, clean workshop air outlet filtration
2. FFU and other air purification equipment supply air main filtration
3. Widely used in electronic, optical, semiconductor, surface treatment coating, chemical, biopharmaceutical, hospital, automotive industry and other fields
4. Commercial and domestic air purifier final stage filtration



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Product Advantages:

1．Air filter is mainly used to capture all kinds of particulate dust and all kinds of suspended matter. The ultrafine glass fiber paper is used as filter material, offset paper, aluminum film and other materials as partition board, and the aluminum alloy is glued, the special silicone rubber is used, no odor, the surface will not harden, for a long time there will be no cracks, chemical stability, corrosion resistance, can absorb the stress caused by thermal expansion and contraction without cracking, moderate hardness and elasticity recovery. Each unit is tested by sodium flame method and has the characteristics of high filtration efficiency, low resistance and large dust holding capacity. In addition, the air filter price is favorable, the quality is high, the product model is diverse, the material used has been scientifically verified, and it can play an effective role in filtering with high filtration accuracy.

2．The compact box structure, the filter material and the outer frame are perfectly combined with the diaphragm filter material structure, so that the air flow is smooth, the efficiency is stable, the resistance is low, the dust capacity is large, the wind speed is uniform, and the service life is long.







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HVAC Panel Filters



Product Features:

1.High efficiency
2.thin thickness
3.Low resistance
4.Light weight

Operating Principle:

Ultrafine glass fiber filter paper is used as filter material, laminated paper, aluminum foil plate and other materials are folded for separation, the new polyurethane sealant is sealed, galvanized plate, stainless steel plate, aluminum alloy profile is the outer frame, each set is strict

Usage :

1. Clean room fresh air conditioning system, dust free workshop air outlet final stage filtration

2. The main filtration in the purification equipment such as high efficiency air supply

3. Widely used in electronics, optics, semiconductors, surface treatment, coating, chemical, biopharmaceutical, hospital, automotive industry and other fields





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The Details:



01

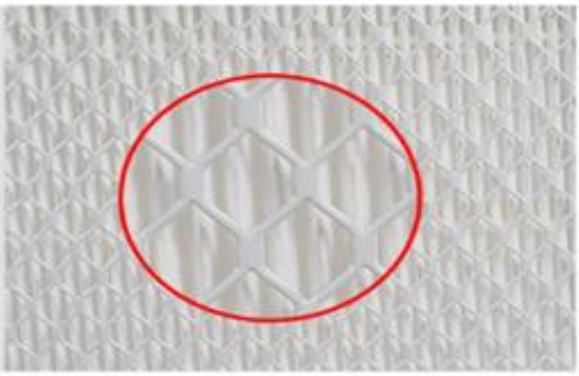
Aluminum alloy frame

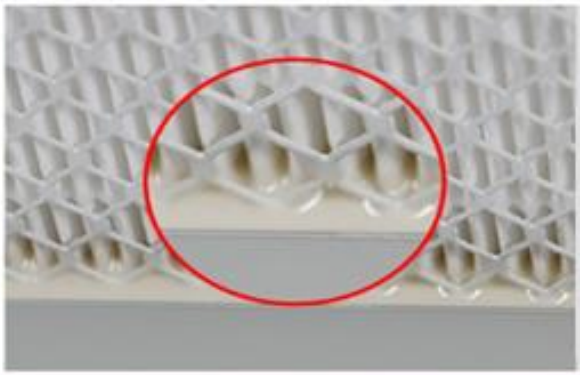
Using high-quality aluminum alloy profiles, our products are not only aesthetically pleasing but also more durable.
(Other materials can also be customized according to your needs)

02

Glass fiber filter cartridge

Large dust holding capacity, low resistance, peripheral painted mesh



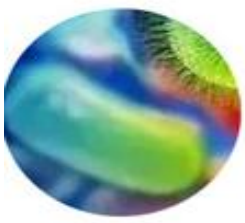


03

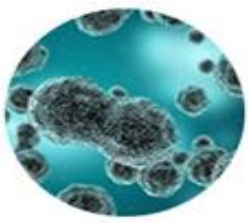
Environmentally friendly and odorless sealing material

Double sealing with hot melt adhesive and sealing strip to prevent air leakage and achieve air purification filtration effect

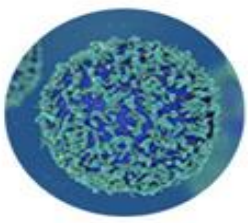
Adsorption and decomposition to purify the air



Oil fumes



Fine particles



Formaldehyde



Heavy metals

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Product Parameters:

Material:

Aluminum alloy/galvanized/stainless steel

Filter element:

Ultrafine glass fiber

Features:

Low resistance, long life, large air volume



Applicable Scenarios

Laboratory, electronics factory, food factory, medical factory, hospital, clean clean workshop, etc



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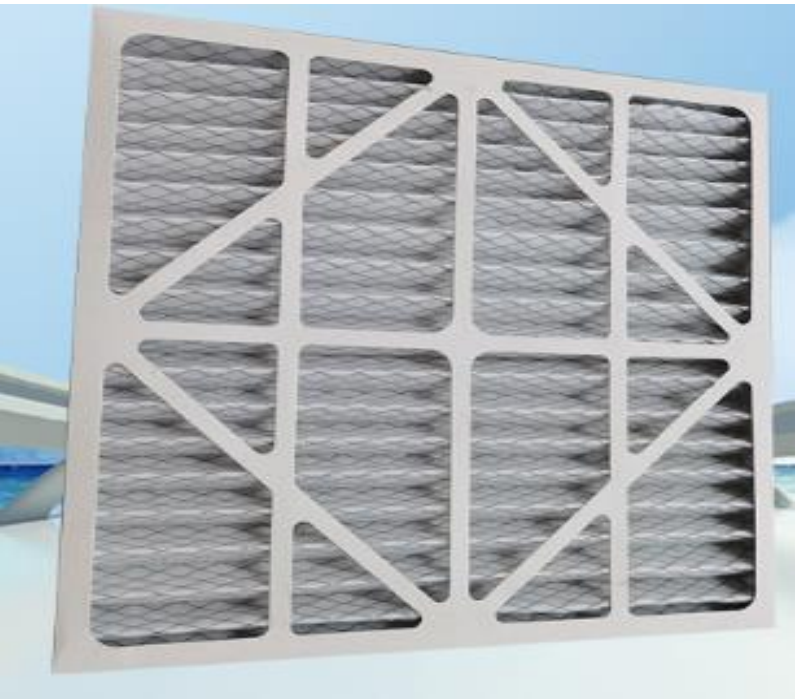
MERV FILTERS

Details:



Optional Thickness of Paper Frame : 22/44/90mm

1. Utilizing high-performance waterproof paperboard for a sturdy and lightweight outer frame, environmentally friendly and easy to replace, with a high cost-performance ratio.
2. High-quality filter material with low resistance, made of premium synthetic fibers, allowing for a large dust holding capacity.
3. Large filtration area, the composite filter mesh is designed in a foldable manner, providing a greater filtration surface area to the airflow.
4. Thickened design, the mesh is reinforced and thickened, making it easy to use and enhancing the overall structural strength of the filter.
5. Customizable, supports customization based on customer requirements for different specifications.



Product Performance:

1. It features a high dust holding capacity and a large filtration area.
2. The outer frame is made of rigid cardboard, and the filtering material consists of non-woven chemical fiber felt folded with metal mesh support at the back.
3. Mainly used for pre-filtering in air conditioning systems, it can extend the lifespan of medium and high-efficiency filters.
4. Optional electrostatic cotton for the filtering material.

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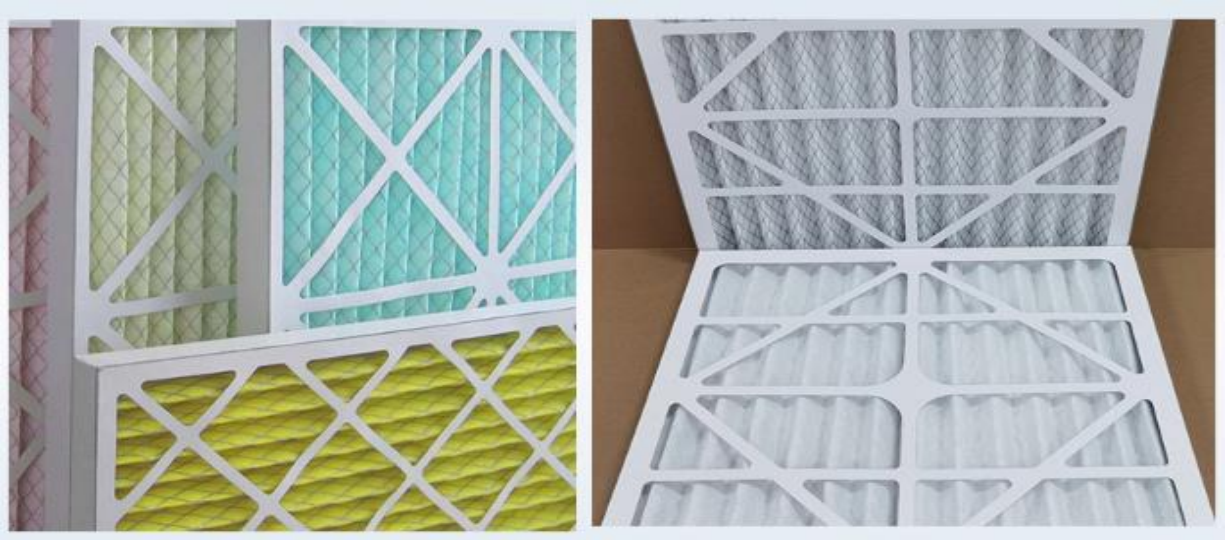
Sample Display:



Applicable Scene:

1. In clean room fresh air conditioning systems, pre-filtration of fresh air units, air outlets, and other situations involving contact with external air.
2. Primary filtration in central air conditioning systems.
3. Pre-overspeed at the air inlet of air purification equipment.
4. Pre-filtration for medium-efficiency filters.
5. First or second-stage filtration in the filtration system.
6. Flat panel filters made of glass fiber material are commonly used for ventilation filtration in environments with high fire resistance and high temperatures.



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Pocket Filters

Product Information Display

The special structure of the filter material makes the filter bed porosity quickly form a gradient density of large and small, so that the filter filter speed is fast, the pollution amount is large, and the backwashing is easy. Through the special design, the dosing mixing, flocculation, filtration and other processes are carried out in a reactor, so that the equipment can effectively remove suspended organic matter in the aquaculture water body. Bag filter is widely used in central air conditioning ventilation system, pharmaceutical, hospital, electronics, food and other industrial purification, can also be used as the front of the high efficiency air filter filter to reduce the load of the high efficiency air filter to extend its service life. Due to the large windward surface of the bag filter, its large dust capacity and low wind speed are considered to be the best filter structure at present.



Product Features

1. Efficient filtration
2. Thickening process
3. Dense and airy;
4. Convenient cleaning
5. Strong cleaning
6. Support customization









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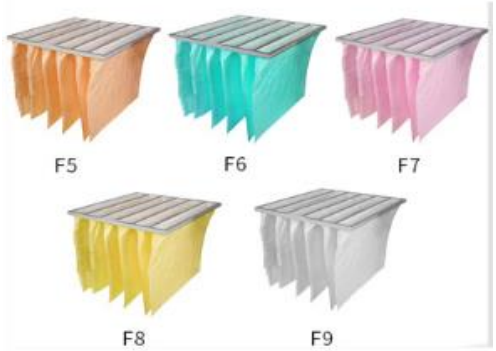
The Details:

1. **Aluminum alloy frame:** The use of high-quality aluminum alloy profiles with high strength, corrosion resistance and long use time (other materials can also be customized according to your needs)	
2. **Superfiber filter material:** With high dust trapping power, high dust load and high permeability	
3. **Acceptable customization:** Non-standard customization of different specifications can be customized according to customer requirements	

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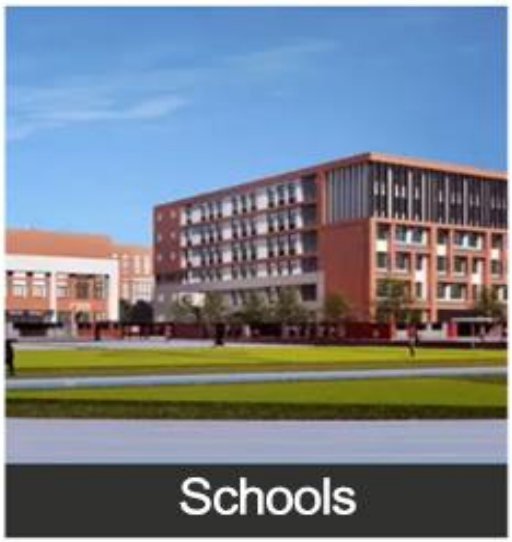
Applicable Scenarios

Mainly used for ventilation systems in spray paint workshops, schools, computer rooms, processing plants, hospitals, laboratories, commercial buildings, hotels, restaurants, etc.









Adsorption filter particles to purify the air


Dust mites


Pollen


Pet dander


Secondhand smoke


PM2.5

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Paint Mist Felt

Technical parameters

Model	PA-50/PA-100
Filtration level	G3
Average calculated weight efficiency	90%/98%
Test airflow velocity (m/s)	2.0
Rated airflow(m^3/h)	7200/4500
Initial resistance(Pa)	≤30/≤50
Final resistance(Pa)	150/200
Dust holding capacity	3500/4700
Standard size (width * length * thickness)	1m*20m*50mm 2m*20m*100mm

Technical specifications

Filter target	Paint mist, oil mist, dust
Flame retardant grade	F1(DIN 53438)
Humidity resistance	≤100%RH
Instantaneous temperature resistance	≤200° C
Temperature resistance	≤170° C



Main Ingredients:

Composed of continuous monofilament glass fiber

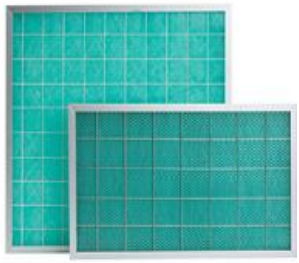
Product Features:

1. Good isolation effect: glass fiber filter cotton is composed of high-strength continuous monofilament glass fiber, with an increasing structure, high capture rate and good paint mist isolation effect.
2. Good compression performance: it can keep its appearance unchanged and its filter fiber is conducive to storing paint fog dust.
3. Temperature resistance: excellent trapping effect filter for paint fog; Flame retardant according to DIN4102F1
4. The filter material is green and white, the green side is the air upwind side, and the white side is the air out side;

The use of Lacquer Fog Felt:

Slice use, slice framing use, whole volume use
Special note: When installing or cutting, please wear gloves to prevent the glass fiber from hurting your hands.





Technical Principle:



Glass fiber dust collection net is made of high quality glass fiber, it is also a green and white environmentally-friendly filter material, the fiber wire is smaller, more uniform and orderly, the glass fiber resistance paint net and pressure air friction static electricity, more efficient absorption of excessive paint free particles generated during the operation, reduce environmental pollution, the use of this filter can make the exhaust air more environmentally friendly, The air is cleaner during internal circulation. Regular replacement of this filter can avoid paint particle clogging and pollution of the environment

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The Harm of Air Pollution to Human Body

Micron particles can go straight into the alveoli and stay there forever, affecting our cardiovascular system, nervous system, reproductive system, blood system and so on. Air filters can effectively protect human health and extend the life of mechanical equipment, improve production energy efficiency.



Physical Details Display:



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Application Scenarios:

Widely used in thousands of paint spraying room, automobile, furniture, mechanical parts and other thousands of paint spray system and workshop paint mist filter kitchen smoke filter

