Henkaes®

NANTONG HENKA
ENVIRONMENT SOLUTIONS CO.,LTD

Air Filter

Haimen · China

Company Profile

Nantong Henka Environment Solutions Co.,Ltd was established on 2004.Henka is one of famous and professional air filter manufacturers for air purifier、air cleaner and ventilation system. Our air filter include HEPA air filter , TVOC removing air filter ,Formaldehyde removing air filter ,Activated Carbon air filter, Odor removing air filter and HVAC air filter. Henka is designated air filter supplier for the most famous brands of air purifier&air cleaner in North America market and China market . Henka is not only provide the air filter to you ,but also provide the professional air purification solutions.

Henka is located in Haimen city ,Jiangsu province , close to Shanghai city for 120 kilometers .Henka has the advanced test equipment and strict test procedure for raw material 、developing and manufacture, guarantee each air filter meet the quality standard ,We have the efficiency&air resistance test system for air filter media and air filter , noise test lab ,30m^3 test room for formaldehyde &VOC removing test ,CTC test lab for activated carbon , penetrating life testing for formaldehyde catalyst ,CADR test room based on ANSI/AHAM AC-1-2006. We have the ISO 9001 and ISO 14001 quality system .

Henka design the air filter based on the sample ,drawing and idea from our customer ,optimizing the air filter structure from the test data ,we provide the best air filter and air purification solutions to our customer .

HEPA FILTER

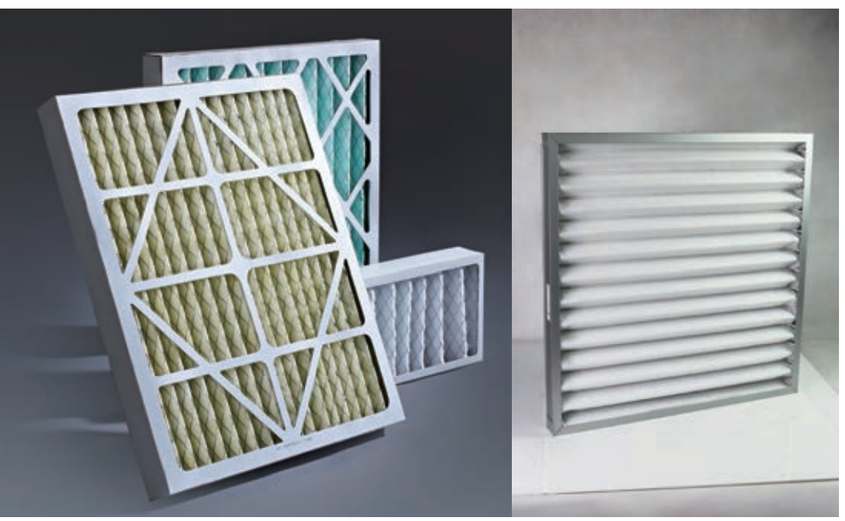
HEPA means High Efficiency Particulate Air Filter ,HEPA filter can remove the smoke ,dust, pet dander and PM 2.5 particles ,HEPA filter can meet the efficiency high than 99.97%.

HEPA filter media include fiberglass ,PP meltblown and nano fiber ,they have the good performance with high efficiency and dust loading capacity .

We design and manufacture the HEPA filter with different dimension ,different shape and frame .

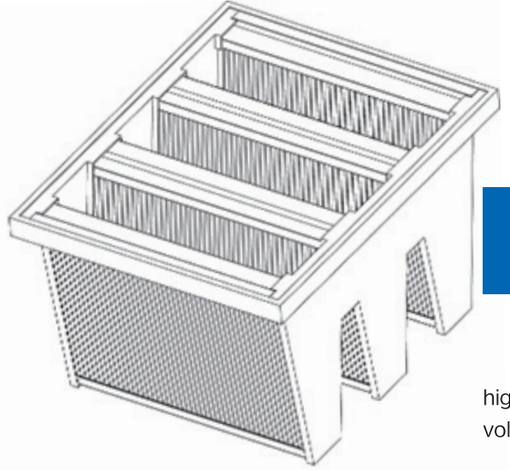
HVAC FILTER

HVAC means Heating Ventilation Air Conditioning , this kind of air filter are used for heating ,ventilation and air conditioner system ,it has high volume air flow and dust loading capacity. It is widely used on school ,hospital and shopping mall .



Mini pleated HVAC air filter uses different dimension and shape, We use high quality paper frame with water resistance performance 、plastic frame and aluminum frame to make the filter stable performance .

Normal dimension:
595*595*45mm
595*295*45mm

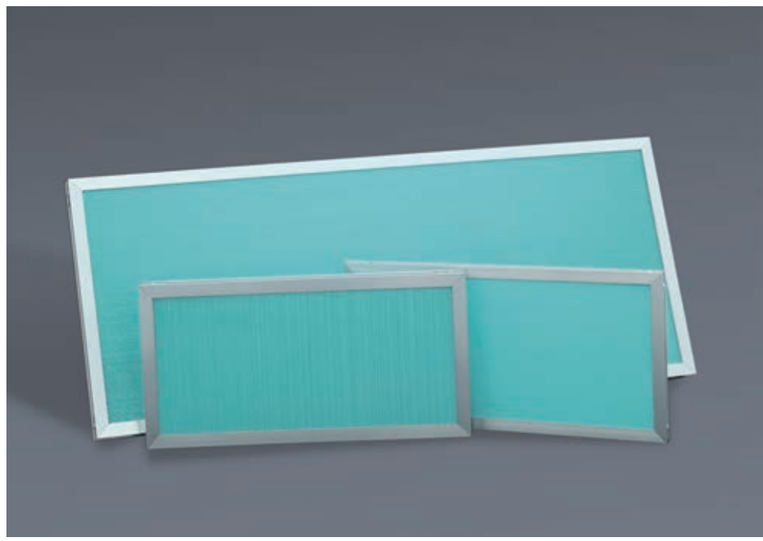


V-BANK FILTER

V-bank HVAC filter uses V shape frame, this kind of filter has high dust loading capacity and long life by adding the filter media volume .It can remove the dust easily with low air resistance .

Normal dimension:
595*595*45mm
595*595*295mm
595*295*295mm

HAF HVAC air filter has the electric charged technology .it can remove the dust easily with low air resistance , it can be used as pre filter.

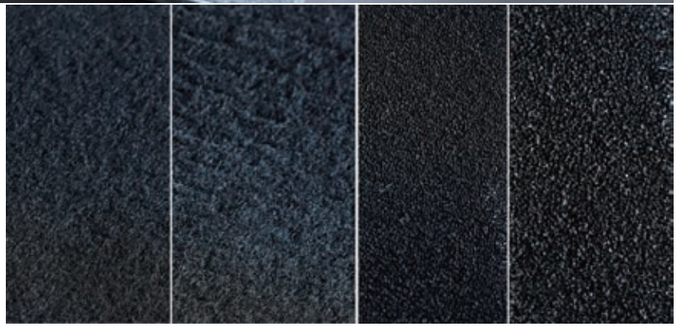


ODOR FILTER

Odor air filter uses high quality activated carbon、 carbon fiber 、carbon foam to remove the odor from the air ，keep your room has the fresh air for the all day.

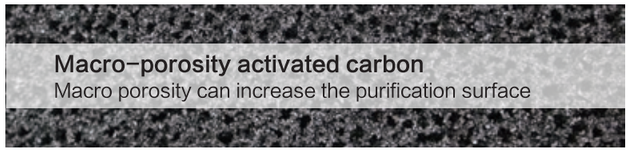
CTC Grade:
CTC 65,CTC 70,CTC 80,CTC 100.

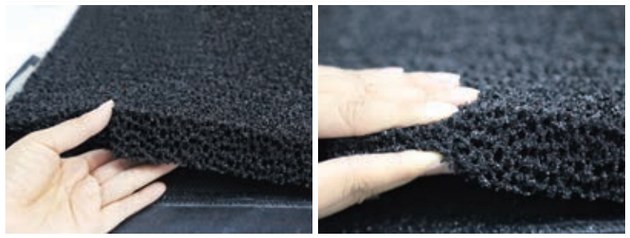
Normal thickness of activated carbon filter layer:
2mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm, etc.



Stereo activated carbon Fitler

Use urethane foam and glue to attach the carbon , this kind of carbon filter has high formaldehyde removal performance and low air resistance. The efficiency data is high than PCCHC filter .



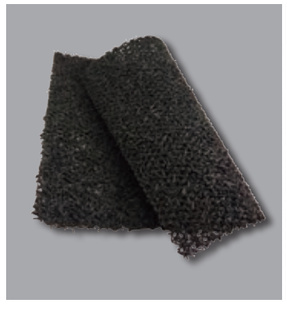


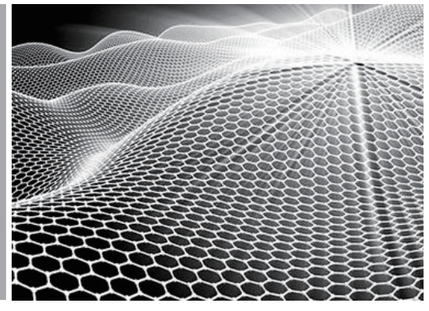
▲ **Complex structure**
Use PCC activated carbon to eliminate the TVOC with high removal effciency .

▲ **Variable structure**
Used for variable filter structure.

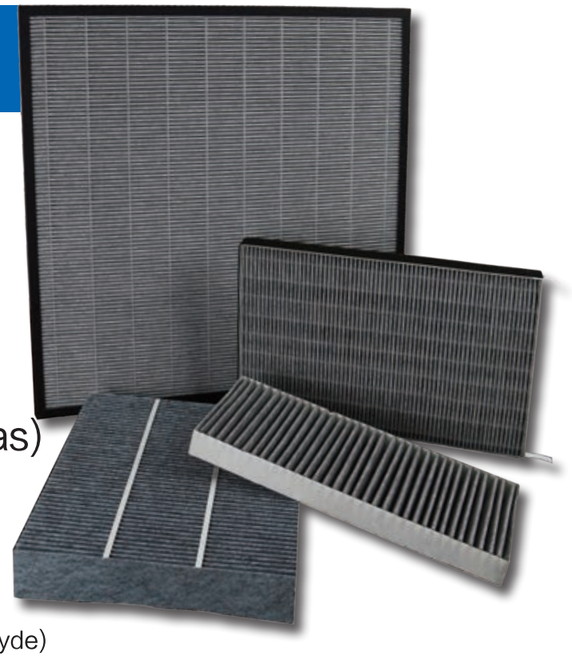
Graphene Macro activated carbon Filter

High strength PP mesh hold the actiavaed carbon with enviromental glue ,this filter has variable filter structure and low air resistance .
Used for panel filter and cylinder filter.





PCC&HEPA Series



PCC&HEPA-F
(Remove Formaldehyde)

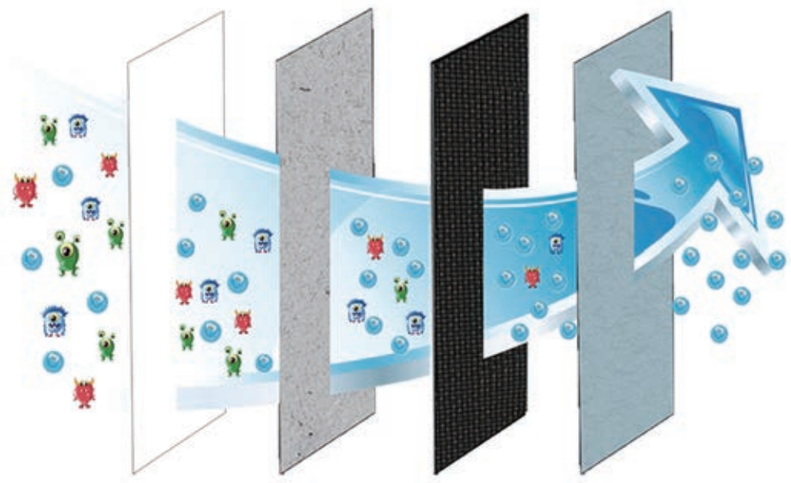
PCC&HEPA-O
(Remove Ozone)

PCC&HEPA-S(Remove Acid gas)

PCC&HEPA-WL(Corrugated)

PCC&HEPA-F Filter Meidia (Remove Formaldehyde)
Technology Specification：

1. Anti-bacteria pre filer layer: famous Canada brand, meet the FDA requirement and pass SGS test.
2. Activated carbon layer: remove the odor and TVOC quickly.
3. Formaldehyde layer: PCC technology remove the formaldehyde quickly .
4. HEPA layer: Remove the fine particles(0.3um) with the efficiency more than 99% .
5. PCC&HEPA technology can get the high CADR 、 CCM grade、energy star for particle and formaldehyde.



PCC&HEPA-F Filter (Remove Formaldehyde)

Particle CADR	Particle CCM	Particle CADR	Particle CCM
596 m^3/h	P4 (>12000mg)	663 m^3/h	P4 (>12000mg)
Formaldehyde CADR	Formaldehyde CCM	Formaldehyde CADR	Formaldehyde CCM
>400 m^3/h	F4 (>1500mg)	365 m^3/h	F4 (>1500mg)

PCC Carbon

Each batch VOC removing catalyst will be inspected and tested before mass production for air filter .

Penetrating life test for formaldehyde catalyst , weigh 60 mg catalyst ,put it in the test tube with 15 mm height, input 500ml/min air flow with 2.8ppm formaldehyde ,record the start time , inspect the formaldehyde concentration on the outlet, the test is finished when the concentration data becomes high than 0.15ppm.We can evaluate the life time for the catalyst .

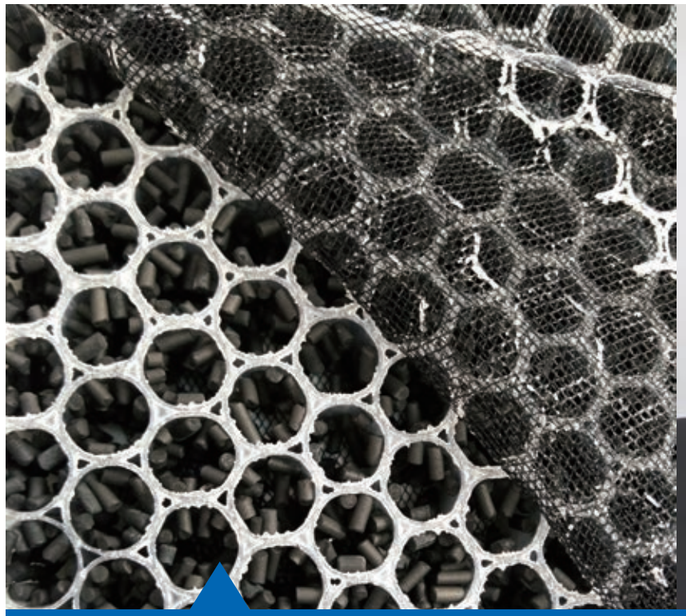
coconut shell carbon
(added high quality platinum catalyst)

high quality platinum catalyst

high quality formaldehyde removing catalyst

Penetrating life example :

Normal activated carbon with CTC 65, 1−3 minutes.
High quality activated carbon with CTC 80,3−8 minutes.
Normal activated carbon with catalyst ,30−60miniutes.
High quality activated carbon with catalyst， 200−400 minutes.
Our high quality platinum catalyst, more than 600 minutes .

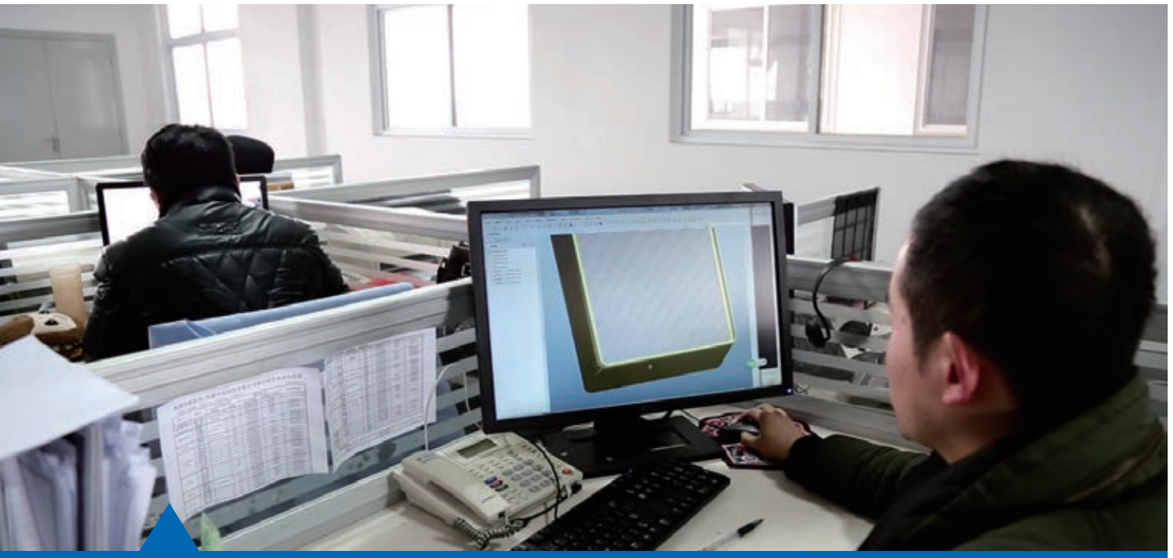


TVOC removing air filter with honeycomb

Packing the high quality activated carbon and high quality platinum catalyst into honeycomb and make it as air filter .This kind of air filter can remove the VOC and formaldehyde quickly.

VOC removing air filter with corrugated

This kind of air filter has the high air flow and low air resistance.



R&D team

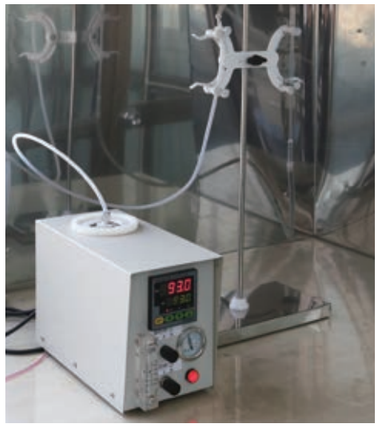
Our R&D team has the working experience more than 15 years ,worked for many USA air filtration projects. We can design the solutions based on your sample 、drawing、picture and your idea .

▲ 30m³ test room for formaldehyde&VOC removing efficiency

▲ CCM 3m³ test room

Technology Support

CADR test lab
(Based on ANSI/AHAM AC-1-2006)



1 3
2

1. NLJ-3 test system for efficiency and air resistance (for air filter media)
2. NLJ-2 test system for efficiency and air resistance (for filter)
3. Penetrating life test system for formaldehyde catalyst

Air Filter Performance Test

Test Item

1.Air Flow
2.Pressure Drop
3.Efficiency
（a）Particle counting efficiency
（b） PM2.5 efficiency
（c） Arrestance efficiency
4.Removal Efficiency for gaseous contaminant
(Formaldehyde and TVOC)
5. Ozone increase

Test Capacity

1.Air Flow Range：100-5000 m3/h；
2.Pressure Drop Range：0-1000 Pa；
3.Particle Counting Efficiency Range：
0%-99.9%;
4.PM2.5 Efficiency Range：0%-99.9%;
5.Arrestance Efficiency Range：
0-100%；
6.Removal Efficiency for gaseous contaminant：
0-100%.

▲ CTC test system can test the CI4 absorption performance for the activated carbon.It help us evaluate the activated carbon quality.

▲ Noise test lab can help us to evaluate the noise data for the unit .

▲ The advanced production line is meticulous in every step.

6S management

We design and produce the filter based on 6S management ,provide best air filtration solutions to our customer。

Nantong Henka Environment Solutions Co.,Ltd

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