



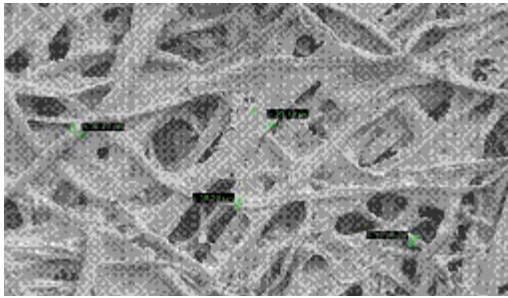
Plant Optimization Expert



SHANGHAI THENOW TECHNOLOGIES CO.,LTD.,established in 2005,belongs to Apureda International (Group) Co.,Ltd.,as the wholly-owned subsidiary. APD is a high technology filter manufacturer and supply filter products with distributors and OEM all over the world. Products including:purification products on compressor,compressed air purification,dust removal equipments,construction machinery, building machinery,transport machinery and so on.

APD's filtration business division--THENOW TECHNOLOGIES always committed to providing high quality air filtration products,and is able to supply air dust filtration solutions which adapt to different dust for a wide range of industrial,dust including: grinding,toxic,explosive. We concentrate on the fields like cement,metallurgy/aluminum,food&beverage,wood,chemical,power coating,plasma/laser cutting,sand blasting,textile,welding,casting and so on.Besides, OEM is also welcome here.

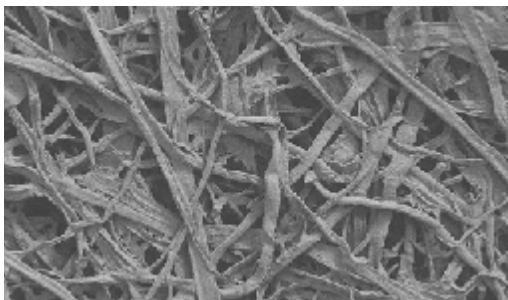
As an industry standard-setter, Thenow aims to create the high quality filtration products which can meet customer demand, continue to develop innovative filtration products, improve product performance, meantime, try our best to reduce the cost and create maximum value for our customers.



First Generation:
Old type whole plant fiber filter material

Whole plant fiber electron microscope pictures

Crude fiber, uneven and flat shape, the outer rough irregular adsorption particles become its advantages, but case it never again was fine fiber-like, reduces its adsorption capacity.



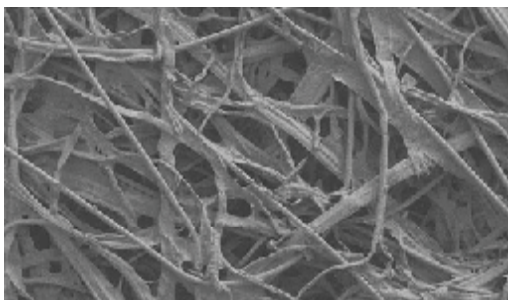
Second Generation:
Improved whole plant fiber filter material

Whole plant fiber electron microscope pictures (including fines fiber)

Gaps between fibers is 12 to 60 microns, after the particles pass through the gap, its filtration efficiency will be reduced, because the dust particles into the filter blocking the filter element, resulting in clogging.

Filter Material Innovation

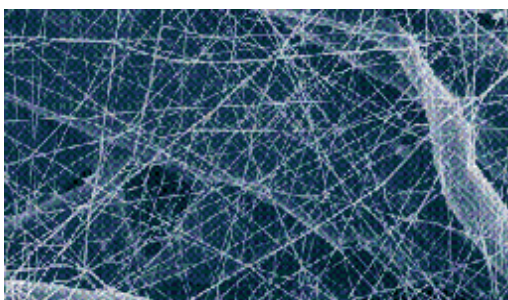
Below are the new high-performance filter material use for Thelow filter cartridge



Third Generation:
Non-plant fiber filter material

Added non-plant material fiber electron microscope pictures

Performance between nano-material and the whole plant fibers, can rapidly form dustcake in the filter course and can be cleaned easily in cleaning cycle time. But the dust cake formation will reduce airflow, therefore must be cleaned through the dust cleaning system. Used for most operation environments.



Forth Generation:
Nano-material filter material

Added nano-material fiber electron microscope pictures

Sub-micron particle can be blocked out of the surface before it penetrated the filter, and the collected particles was easily brought out in the filter cleaning process. Especially suitable for a large number of very fine particles contained in the air spaces.



Self-cleaning air filter cartridge



Panel filter



Product Structure:

Plant fiber/Chemical fiber+Plant fiber, coating material mixed filter media

Performance:

Scientific flow design
 Fold, bubble away design
 High-efficiency, durable filtration
 Galvanize steel, stainless steel, stainless iron (according to customer requirements) and other corrosion resistant metal skeleton.
 Exposure cover, under cover, seal mounting holes with screws
 Reasonable seals
 Excellent weather resistance

Application:

Power plant, blower front air inlet, booster station, oxygen plant and dust collector manufacturers.
 Suitable for products of MANN、DONALDSON、GE、AAF、NORDIC and so on.

Model No.	OD mm	ID mm	Bottom hole	HIGHT	Filter Area m ²	Filtration Precision μm	Air flow m ³ /h	IPD kp
3211132660	325	215	14	660	20	1-2	820	0.08
3211132900	325	215	14	900	28	1-2	1120	0.08
3211132101	325	215	14	1000	30	1-2	1240	0.08

Product Structure:

Plant fiber/Chemical fiber+Plant fiber, membrane filter material mixed filter media

Performance:

Space saving
 Big filter area
 High flow
 Galvanize steel, stainless steel, stainless iron (according to customer requirements) and other corrosion resistant metal skeleton.
 Easy installation and removal

Application:

Cement, electronic, cigarette, chemical, pharmacy, and so on with higher dust concentration and have high requirement about the quality of air.
 Suitable for the products of DONALDDON、DCE and so on.



Performance Testing Process

Domestic first high-end ZHT-16 air filter test bed

Test data no fluctuations, accuracy and stability

Particles are easily sufficiently collected, and then improve the measurement accuracy of filtration efficiency

Automatically corrected the volume of the air during the test, make the measurement result more accurate



Filtration precision of this set of air filtration test bed is strictly followed to JB/T 9747-2005, air flow measurement accuracy within 2% of the actual value, force measurement accuracy within 0.025Kpa of the actual value, air pressure within 0.3Kpa, temperature within 0.5 °C, quality within 1% (except regulation), and absolute filter quality measurement precision is 0.01 g. Test precision of all chosen sensors are 0.5%FS

Self-cleaning gas turbine filter cartridge filter

Product Structure:

Plant fiber/Chemical fiber+Plant fiber, coating material mixed filter media

Performance:

Filter material easy to clean

Quasi-surface filtration, bundled against the outer design and demolition

Ultra filtration efficiency

Galvanize steel, stainless steel, stainless iron (according to customer requirements) and other corrosion resistant metal skeleton.

Exposure cover, under cover, seal mounting holes with screws

Reasonable seals

Excellent weather resistance

Suitable for the fibrous and non-fibrous dust environment

Impact resistance

Application:

Gas turbine filter, power plant, large gas station and so on

Suitable for the products of MANN, DONALDSON, GE, AAF, NORDIC and so on.



Model No.	3211132901
OD mm	325
ID mm	215
Bottom hole	18
HIGHT	900
Filter Area m ²	28
Filtration Precision μm	0.5-1
Airflow m ³ /h	1460
IPD kp	0.12



Special air filtration cartridge filter



Structure:

Composite fiber

Performance:

High wear resistance
 Oil, water and corrosion resistance
 Galvanize steel, stainless steel, stainless iron (according to customer requirements) and other corrosion resistant metal skeleton.
 Washable
 High strength, good stiffness, suitable for the large air inlet environment
 Variety of precision and polyester fiber are available

Application:

Non-air filtration equipment, special gas and heavier dust area.
 Suitable for the products of MANN, DONALDSON, GE, AAF, NORDIC and so on.

Model No.	OD mm	ID mm	Bottom hole	HIGHT	Filter Area m ²	Filtration Precision μm	Air flow m ³ /h	IPD kp
3211132660	325	215	13	660	12	3	900-1200	0.12
3211132662	323	215	14	660	12	3	900-1200	0.12
3211132670	320	215	22	670	13	3	900-1200	0.12
3211132607	325	220	16	605	10.5	3	800-1100	0.12
3211132750	325	215	18	750	22	3	1200-1600	0.12

Painting room cartridge filter



Product Structure:

Plant fiber/Chemical fiber+Plant fiber

Performance:

Scientific flow design
 Fold, bubble away design
 Excellent bursting resistance and filtration efficiency
 Surface of the filter performance, without the formation of cake to achieve excellent filtering effect
 Particles easy to discharge, significant pressure drop and smooth air flow
 Longer life
 Low energy consumption

Application:

Construction machinery, booster station, air blower, dust equipments
 Suitable for the products of MANN, DONALDSON, GE, AAF, NORDIC and so on.



Dust removal filter cartridge production line

Assembly line work integrated with cutting, blanking, curing, glue and sealing.

Using before preheating and steam setting, the filter paper is not easy to damage when indentation folding.

Production speed 0~35m/min, max width 1000mm, min width 30mm, max folded height 64mm, min folded height 16mm, normal temperature control range -300℃.

The impression roller and all kinds of wave height filter can be customized according to customer's requests.



Square cap filter cartridge

Structure:

Plant fiber/Chemical fiber+Plant fiber, coating material mixed filter media

Performance:

Fold, bubble away design

High filtration efficiency

Galvanize steel, stainless steel, stainless iron (according to customer requirements) and other corrosion resistant metal skeleton.

Surface use nano material filtration, reserved dust cleaning, more cleaning and efficiency

Exposure cover, under cover, seal mounting holes with screws

Highly flexible parameters, effective adaptation various applications

Excellent weather resistance,

Good moistureproof performance.

Application:

Gas turbine set, power plant, large gas supply station, west to east gas pipeline project.

Suitable for the products of MANN、DONALDSON、GE、AAF、NORDIC and so on.



Model No.	3211132883
OD mm	407*360
ID mm	208
Bottom hole	18
HIGHT	883
Filter Area m ²	28
Filtration Precision μm	0.5-1
Airflow m ³ /h	1460
IPD kp	0.12



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