

Industrial Air Filtration Gas Turbine/Air Inlet Filtration











Catalogue 😂

Thenow Health Group



Business DEPT.1
Air Compressor Filter Elements
Filter Kingdom, Green World



Business DEPT.2 Screw Air Compressor Lubricant, Spare Parts and Service Special Lubricant, Professional Quality



Business DEPT.3
Refrigerated Air Dryer, Pipeline filter
Ultimate Efficiency and Quality



Business DEPT.4
Indoor Air Quality Control devices
ERV/HRV famous brand in domestic market



Business DEPT.5 HVAC air filters For Clean Air Tomorrow



Business DEPT.6

Dust Collector filter cartridges

Various flanges and filter media options

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Dust collector filters

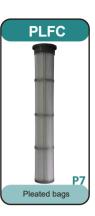












Air Inlet/Gas turbine











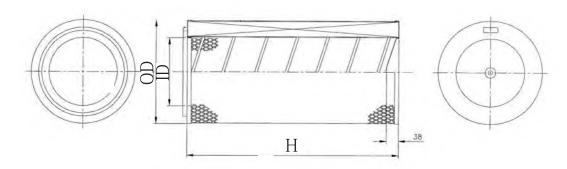




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OOFC series

2 open end caps filter cartridges



SPECIFICATIONS			
NO.	Description		
1	Marking		
2	Gasket		
3	Inner liner		
4	Open bottom end cap		
5	Media pack		
6	Open top end cap		
7	Outer liner/Straps		
8	Inner beading		

DIMENTIONS					
Model	OD (mm)	H (mm)	ID (mm)		
TN10791600	201	406	92		
TN11211500	308	381	195		
TN11212300	308	597	196		
TN11271800	324	457	213		
TN11272500	324	641	213		
TN11272600	324	660	222		
TN11272601	324	660	406		
TN11273900	324	991	213		
TN11382200	352	559	241		
TN11382300	351	584	241		
TN11382500	351	641	241		
TN11382600	352	660	249		
TN11382700	351	686	241		
TN11383000	351	762	241		
TN11424000	362	1016	251		
TN11502800	381	711	254		
TN11602200	406	559	291		
TN11602300	406	597	245		
TN11631600	415	422	305		
TN11632400	416	610	303		
TN11751800	447	457	311		
TN11752100	447	533	311		
TN11802700	459	699	313		















TOP CAP









INNER MESH









FILTER MEDIA

Cellulose polyester blend 100% cellulose 100% polyester

TREATMENT Nano Conductive Flame Retardant ePTFE Membrane PTFE coating Oil, water proof

BOTTOM CAP









OUTSIDE MESH/STRAPS







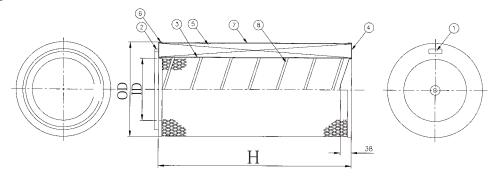






OCFC series

Top Open bottom closed filter cartridges



SPECIFICATIONS			
NO.	Description		
1	Marking		
2	Gasket		
3	Inner liner		
4	Bottom end cap with or without hole		
5	Media pack		
6	Top end cap		
7	Inner beading		
8	With or without outer liner		

	DIMEN.	TIONS	
Model	OD (mm)	H (mm)	ID (mm)
TN10792220	201	550	92
TN112118218	308	559 470	295
TN112110210	308	518	196
TN11272611	324	660	213
TN112729214	324	750	213
TN112720214	324	764	213
TN113826214	352	660	240
TN113828222	352	711	240
TN113836214	352	914	240
TN114028222	356	711	247
TN11403910	356	991	243
TN114624223	373	622	263
TN114630214	373	762	262
TN114724223	374	610	262
TN115024222	383	622	254
TN11601110	406	292	244
TN11601110	406	292	245
TN11601110	406	292	291
TN11601210	406	305	292
TN116028214	406	718	291
TN116034214	406	876	291
TN116030214	408	762	291
TN116034214	408	864	292
TN11662010	422	508	269
TN11752614	445	660	356
TN11752610	447	660	311
TN11762610	447	660	356
TN117624214	448	610	311
TN11872010	476	508	356
TN11872510	476	635	356
TN11921010	489	263	327
TN11921310	489	351	327
TN12202410	559	629	395
TN12222510	565	635	448

APPLICATIONS













TOP CAP









INNER MESH









FILTER MEDIA

Cellulose polyester blend 100% cellulose 100% polyester

TREATMENT

Nano Conductive Flame Retardant ePTFE Membrane PTFE coating Oil, water proof

BOTTOM CAP











OUTSIDE MESH/STRAPS



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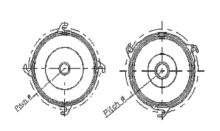


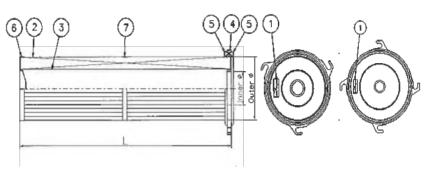




QFFC series

Ouick fix top flange filter cartridges





	SPECIFICATIONS
NO.	Description
1	Marking
2	Media pack
3	Inner liner
4	Top end cap - quick fix
5	Gasket (top and bottom)
6	Bottom end cap closed
7	Outer strap

	OI LOII IOATIONO
NO.	Description
1	Marking
2	Media pack
3	Inner liner
4	Top end cap - quick fix
5	Gasket (top and bottom)
6	Bottom end cap closed
7	Outer strap



TOP CAP









INNER MESH











FILTER MEDIA

Cellulose + polyester 100% cellulose 100% polyester

TREATMENT

Nano Conductive Flame Retardant ePTFE Membrane PTFE coating Oil, water proof

BOTTOM CAP









OUTSIDE MESH/STRAPS

APPLICATIONS



















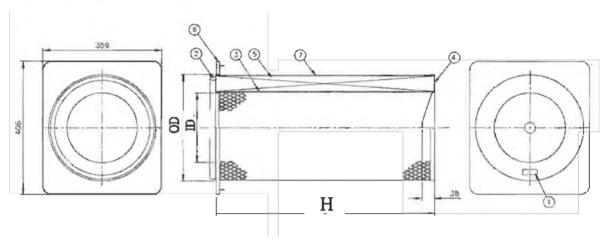






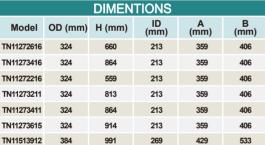
SQFC series

Square Top flange filter cartridges



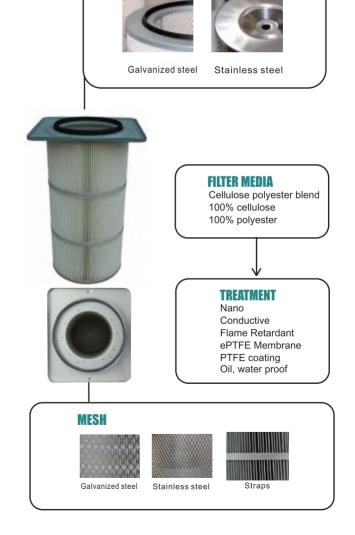
	SPECIFICATIONS
NO.	Description
1	Marking
2	Gasket
3	Inner liner
4	Bottom end cap without hole
5	Media pack
6	Top end cap (square)
7	Outer liner

		DIMEN	HONS		
Model	OD (mm)	H (mm)	ID (mm)	A (mm)	B (mm)
TN11272616	324	660	213	359	406
TN11273416	324	864	213	359	406
TN11272216	324	559	213	359	406
TN11273211	324	813	213	359	406
TN11273411	324	864	213	359	406
TN11273615	324	914	213	359	406
TN11513912	384	991	269	429	533



ADVANTAGES THENOW Pleat Separator Technology Low Pressure drop Extended Filter Life **High Filtration Efficiency** Pour in place one plece double geaket

Broud design portfolio

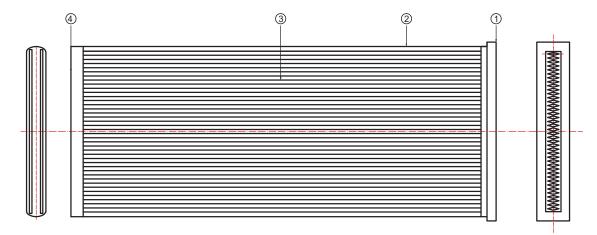


END CAP



FLC series

Flat cell air filter cartridge



SPECIFICATIONS			
NO.	Description		
1	Open top end cap		
2	Frame		
3	Media pack		
4	Open bottom end cap		

ADVANTAGES

Advanced media with ePTFE membrane

Longer filter life and better pulse cleaning due to surface loading technology

Exceptional dust cake release

Lower energy use, reduced constant pressure drop

High particulate capture rate

Optimized filter performance

DIMENTIONS				
Model	Width(mm)	Length(mm)	Filter Area (m)	
TN2192302	500	605	2.1	
TN2214003	557	1040	4.4	
TN2224202	575	1067	4.4	
TN2193903	500	1000	4.0	
TN2093203	250	820	3.9	
TN2183703	465	950	2.8	
TN2185902	480	1500	5.0	
TN2244704	630	1200	5.5	

APPLICATIONS















FILTER MEDIA

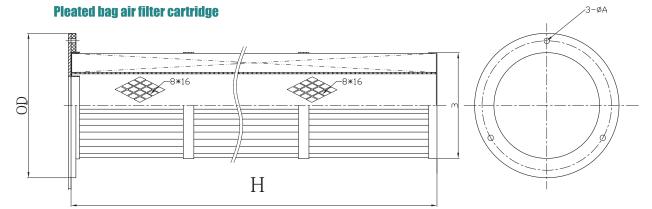
Cellulose polyester blend 100% polyester

TREATMENT

Nano Conductive Flame Retardant ePTFE Membrane PTFE coating Oil, water proof



PLFC series



ADVANTAGES

Advanced media captures submicron particles with proprietary nanofiber technology Lower pressure drop saves energy Longer filter life reduces maintenance costs Less production downtime Tough spunbond polyester substrate Provides high durability

DIMENTIONS					
Model	Top or Bottom Load	OD(mm)	H(mm)	filter Area(㎡)	
TN10442110	Тор	112	533	0.7	
TN10444010	Тор	112	1034	1.44	
TN10446110	Тор	112	1557	2.2	
TN10448010	Тор	112	2032	2.88	
TN10482110	Bottom	123	551	8.0	
TN10484110	Bottom	123	1052	1.63	
TN10486210	Bottom	123	1575	2.43	
TN10488010	Bottom	123	2052	3.25	
TN10532110	Тор	135	533	1.1	
TN10534010	Тор	135	1034	2.2	
TN10536110	Тор	135	1557	3.3	
TN10538010	Тор	135	2032	4.4	
TN10562110	Тор	144	533	1.35	
TN10564010	Тор	144	1034	2.7	
TN10566110	Тор	144	1557	4.18	
TN10568010	Тор	144	2032	5.4	
TN10582110	Bottom	147	549	1.35	
TN10584110	Bottom	147	1049	2.7	
TN10586110	Bottom	147	1572	4.12	
TN10588010	Bottom	147	2050	5.4	
TN10582510	Bottom	147	635	1.14	
TN10584410	Bottom	147	1135	2.29	
TN10586510	Bottom	147	1659	3.48	
TN10588410	Bottom	147	2136	4.57	
TN10592110	Bottom	151	549	1.14	
TN10594110	Bottom	151	1049	2.29	
TN10596110	Bottom	151	1572	3.48	
TN10598010	Bottom	151	2050	4.57	
TN10873910	Тор	225	991	3.9	

APPLICATIONS















Inner mesh









FILTER MEDIA

Cellulose polyester blend 100% polyester

TREATMENT

Nano Conductive Flame Retardant ePTFE Membrane PTFE coating
Oil, water proof

OTHER END CAPS





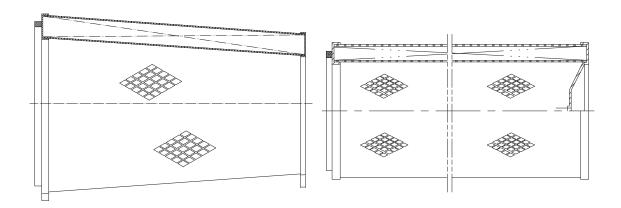






COCY series

Conical/Cylindrical filter cartridges



DIMENTIONS							
Model	Top cap OD (mm)	Bottom cap OD (mm)	Hole (mm)	Hight (mm)	Filter area (m2)		
TN11602601(CO)	406	324	1	660	23		
TN11272600(CY)	324	324	14/25	660	21		
TN11752601(CO)	445	324	1	660	25		
TN11272600(CY)	324	324	14/25	660	21		

FILTER MEDIA

Cellulose+synthetic / F9 100% synthetic / F9 Cellulose+synthetic+nano /F9 Cellulose+synthetic+nano+FR /F9 100% synthetic + ePTFE membrane / H10

TOP CAP Galvanized Stainless Powder Plastic steel steel coated ABS





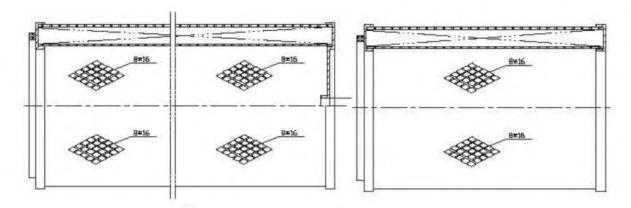






CYCY series

Cylindrical /Cylindrical filter cartridges



DIMENTIONS							
Model	OD (mm)	ID (mm)	Hole (mm)	Hight (mm)	Filter area (m2)		
TN11272600	324	213	14/25	660	21		
TN11272900	324	213	14/25	750	24		
TN11273500	324	213	14/25	900	31		
TN11273900	324	213	14/25	1000	31		

FILTER MEDIA

Cellulose+synthetic / F9 100% synthetic / F9 Cellulose+synthetic+nano/F9 Cellulose+synthetic+nano+FR /F9 100% synthetic + ePTFE membrane / H10

TOP CAP

steel









Powder coated steel

Plastic

OUTSIDE MESH/STRAPS









Galvanized Straps steel

Stainless

coated

INNER MESH









steel

Galvanized

Stainless steel

Powder coated

BOTTOM CAP









Galvanized

Stainless steel

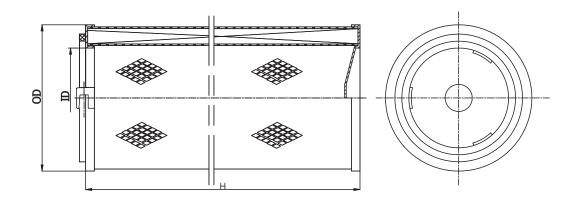
Powder coated

Plastic ABS



TLFC series

Twist lock filter cartridges



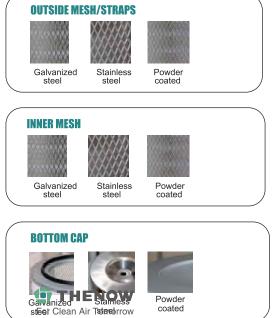
DIMENTIONS						
Model	OD (mm)	H (mm)	ID(mm)			
TN11273431	324	864	213			
TN11031831	264	457	154			
TN11033631	264	914	154			
TN11032231	264	559	154			
TN11272631	324	660	213			
TN11272731	324	711	213			

FILTER MEDIA

Cellulose+synthetic / F9 100% synthetic / F9 Cellulose+synthetic+nano /F9 Cellulose+synthetic+nano+FR /F9 100% synthetic + ePTFE membrane / H10



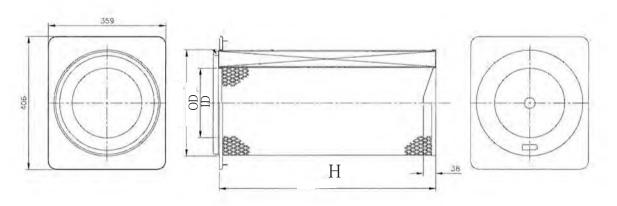






SQFC series

Square Top flange filter cartridges



DIMENTIONS								
Model	OD (mm)	H (mm)	ID (mm)	A (mm)	B (mm)			
TN11272616	324	660	213	359	406			
TN11273416	324	864	213	359	406			
TN11272216	324	559	213	359	406			
TN11273211	324	813	213	359	406			
TN11273411	324	864	213	359	406			
TN11273615	324	914	213	359	406			
TN11513912	384	991	269	425	533			

FILTER MEDIA

Cellulose+synthetic / F9 100% synthetic / F9 Cellulose+synthetic+nano /F9 Cellulose+synthetic+nano+FR /F9 100% synthetic + ePTFE membrane / H10

TOP CAP





steel



Powder coated



OUTSIDE MESH/STRAPS









Galvanized steel

Straps

Stainless steel

Powder coated

INNER MESH







Galvanized steel

Stainless steel

Powder coated

BOTTOM CAP





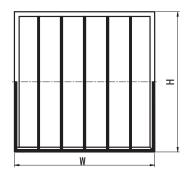


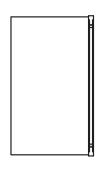
Galvanized steel Stainless steel Powder coated

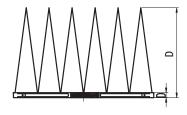


POGT series

Pocket filters for Gas Turbine Air Inlet System









DIMENTIONS							
Model	Width (mm)	Hight (mm)	Depth (mm)	Filter Class	Media area (m²)		
TN22323251	592	592	640	M6	7.5		
TN22323252	592	592	640	F7	7.5		
TN22323253	592	592	640	F9	7.5		
TN22323220	592	592	580	G4	4.1		
TN22323070	592	592	195	G4	1.8		
TN22323200	592	592	520	G4	3.7		

ADVANTAGES

Non discharging synthetic media

Maximum surface use

High mechanical strength

Incinerable bags

High dust holding capacity

Long life

Recommended choice for pre-filtration

TECHNICAL DATA

Application: Installations exposed to turbulence and/or

recurrent high humidity.

Frame: Galvanized steel. Media: Synthetic fiber. Gasket: Neoprene.

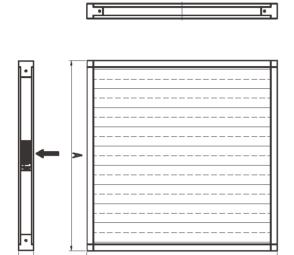
Recommended final pressure drop:450 Pa / 1.8"wg.

Temperature: 70°C / 158°F max. operating temperature.



PRGT series

Prefilter for Gas Turbine Air Inlet System



В



DIMENTIONS							
Model	Width (mm)	Hight (mm)	Depth (mm)	Shape	Frame		
TN22424041	610	610	102	Square	Beverageboard		
TN22424030	610	610	89	Square	Beverageboard		
TN22424042	610	610	102	Square	Metal		
TN22424043	610	610	102	Square	Metal		
TN22424040	444	610	102	Rectangle	Beverageboard		
TN22424040	738	610	102	Rectangle	Metal		

ADVANTAGES

High mechanical strength

Rigid, water resistant

Cardboard frame

Lerge media surface

Unique radiel pleet design

Bonded into case to eliminete

Air bypess

Compect

TECHNICAL DATA

Application:Suitable for most areas

Frame: Rigid water resistant beverage board/Aluminum

Media: Blended cotton and polyester

Others:Different clips available for mounting combination

EN799:2012 efficiency: G4

ASHRAE 52.2.2007 filter class: MERV 8

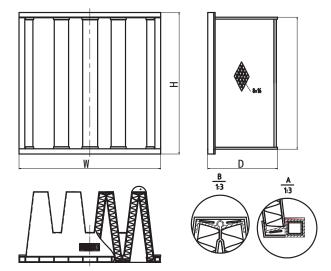
Recommended final pressure drop:250 Pa / 1.0 in.w.g

Temperature:70°C / 158°F max. operating temperature



VBGT series

V-Bank filters for Gas Turbine Air Inlet System





DIMENTIONS							
Model	Width (mm)	Hight (mm)	Depth (mm)	Filter Class	Media area (m²)		
TN22323111	592	592	292	F7	19		
TN22323112	592	592	292	F8	19		
TN22323113	592	592	292	F9	19		
TN22323114	592	592	292	E10	19		
TN22323121	592	592	315	F7	19		
TN22323122	592	592	315	F8	19		
TN22323123	592	592	315	F9	19		
TN22323124	592	592	315	E10	19		

ADVANTAGES

Low pressure drop

Large filter area

Easy mounting

100% incinerable

Heavy duty construction

Aerodynamic construction

TECHNICAL DATA

Application: For dry areas, where high humidity and

hygroscopic dust are less occuring. Type: Compact pleated filter.

Frame: Injection moulded plastic part.

Media: Glass fiber

EN779:2012 efficiency: F7, F8, F9

EN1822:2009 efficiency: E10

ASHRAE 52.2.2007 filter class: MERV 13, 14, 15, 16 Recommended final pressure drop: 600 Pa / 2.4"wg Temperature: 70°C / 158°F max. operating temperature



Principles of Filtration

Mechanisms There are five mechanisms by which particles are filtered from the air by air filter media. Theyin clude Straining (Sieving), Interception, Diffusion and Intertial seperation and Electrostatic attraction. Each mechanism has a certain size range where it is the dominant factor for filtration of particles. Inertial separation and interception are the dominant collection mechanisms for particles greater than 0.2 μm, and diffusion is dominant for particles less than 0.2 μm. Electrostatic attraction is obtained by charging the media as a part of the manufacturing process.

Straining occurs when the opening between the media members (fibers, screen mesh, corrugated metal, etc.) is smaller than the particle diameter of the particle the filter is designed to capture. This principle spans across most filter designs, and is entirely related to the size of the particle, media spacing, and media density.



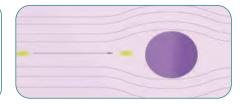
interception In order to be intercepted, a particle must come within a distance from a fibre of one radius of itself. The particle thus makes contact with the fibre and becomes attached. The interception mechanism can be contrasted with the impaction mechanism in that a particle which is intercepted is smaller and its inertia is not strong enough to cause the particle to continue in a straight line. It therefore follows the air



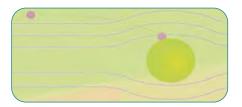
Diffusion occurs when the random (Brownian) motion of a particle causes that particle to contact a fiber. As a particle vacates an area within the media, by attraction and capture, it creates an area of lower concentration within the media to which another particle diffuses, only to be captured itself. To enhance the possibility of this attraction, filters employing this principle operate at low media velocities and/or high concentrations of micro fine fibers, glass or otherwise. The more time a particle has in the "capture zone", the greater the surface area of the collection media (fibers), the greater the chances of capture. Filter manufacturers have two distinct methods of addressing this principle — employ more square footage of fine glass-mat type media or employ less



Inertial Separation Inertial Separation uses a rapid change in air direction and the principles of inertia to separate mass (particulate) from the air stream. Particles at a certain velocity tend to remain at that velocity and travel in a continuous direction. This principle is normally applied when there is a high concentration of coarse particulate, and in many cases as prefiltration mode to higher efficiency final filters.



Electrostatic Attraction Filters utilizing large diameter fibre media rely on electrostatic charges to increase their efficiency of fine particle removal. Large diameter fibre media is normally chosen due to low cost and air flow resistance. However, these filters often lose their electrostatic charge over time because the particles captured on their surface occupy charged sites, thereby neutralizing their electrostatic charge.





Applications



Related workmanship: Welding, grinding, sandblasting, abrasive blasting, plasma, laser cutting, spraying and so on. Dust characteristics varies among these workmanship. We can supply all kinda of filter medias and filter elements according to your specific operating environment.



Dust characteristics: Plenty of small particlea, high permeability and temperature; and these working environments need high dust filtration efficiency and load capacity. Mainly related workmanship: Grinding, flame spraying, welding, galvanization, and casting.



Related workmanship: Sawing, cutting, grinding and so on.

Dust characteristics: Particles diameter range from 3 micron to 20 microns. Easy explosive and fiammable.



Related workmanship: Blasting, mechanical cutting, cutting, friction, vibration and so on. Dust characteristics: There are rock dust, mine dust and so on, which is extensively concentrated, explosive and hazardous.



Dust characteristics: Mainly are fiber, which need specific filter medie, such as high liquidity, good cleaning performance and big filter area. Easy to generate static electricity.



Dust characteristics: Highly corrosive, sspecially alkalina or acidic dust and others with complex chemical composition. These industry has stringent emission standards.



Dust characteristics: Dust generated by this industry is very hard and rough. Long pleated filter cartridge is a better option compared with filter bag in terms of both cost and efficiency.



Environments requirement: Highly clean room. When considering the standard, the filtration products must meet the required certificates, such as FDA.



Dust may generate in the major cigerette fectory and redrying tobacco factory production workshop, tobacco volume wiring, etc. We recommend using tobacco specialty cartridge, which using composite fiber filter material, resistant to tar and its main feature is pleated wide spart, handling large air volume and so on.



Main gas turbine brands: GE、SOLAR、SIEMENS、Alstom、MITSUBISHI. Except for the normal filter certridges, we can also offer special one whose efficiency can reach 99.99% @ 0.5micron. Also we can provide three-grade-filtration, rain gate or filter cotton as first grader, two and three grade use HEPA filter.

We offer a wide range of filter media and filter certridges enabling us to meet the demands of almost any industry.

If you have epecific request, feel free to contact us, and our R&D team can help you to find a solution. According to your special operating environment, we have following options to meet your standard:

- Filter cartridges
- Pleated bag filters
- Panel filters
- Pocket filter

Filter Media: Polyester, Cellulose, Synthetic

Post-processing: Nano fiame retardant; Nano; Anti-static; Flame retardant; oil, waterproof; PTFE membrane; PTFE membrane FR; Anti-static PTFE membrane



>>> Thenow

Thenow was established in 2005, belonging to Apureda Group as the wholly-owned subsidiary. Being a standard maker, Apureda Group is a global specialist in the development and production of filtering systems and solutions with 6 production units.

As one of Apureda Group's production units, Thenow's business is to provide customers with sustainable best in class air filtration products and services. We mainly focus on manufacturing industrial filters including dust collector filters, gas turbine intake air filters, HVAC panel filters, oil mist collectors and air purifying filters.



Our business concept is to optimize our product quality and service to be in line with customers' needs. Compared with standard filters, Thenow's products can reduce the operating costs of filtration systems, by keeping their pressure drop low over a longer time. Our filters can catch more contaminants and operate at lower average resistances because of better designed filter media and larger filter media surface. Thenow's products are widely used in various fields such as petroleum, chemical industry, steel, paint, electronics industry, pharmaceutical industry, shipping, cement, gas turbine, HVAC etc.

We are reliable because we know the market and we are honest and truthful. Our people, products and processes must always meet, or even supersede the agreed results.



>>> Production

Thenow filters are manufactured on 3 advanced, all-process production lines which are under strict quality guidelines and equipped with electronically controlled state-of-the-art production machines such as CNC punch press, CNC lathes, CNC wire cut machine, CNC bending machines, electronic pleating machine, etc. Besides, manual production is also an important component of Thenow's business philosophy. We can guarantee a high quality product at the end of our production process with our highly qualified staff, a globally standardised management system and our close attention to rigorous guidelines.





















>>> Quality Control







Except for our internal strict quality control system, our plants also strictly adhere to the standards of ISO 9001 system. And our products meet the compliance of EU directives and regulations.

Since our inception, quality has been the sole guiding force. We have a separate department for maintaining the quality of our products. They have a unique documentation system & material traceability systems for quality control of products. Products are consigned to the department for inspection before their market release. Besides, quality inspection is also an integral part of the manufacturing process, originating with research and development and carrying through with manufacturing best practices.





In today's global economy, however, meeting or exceeding OEM standards for fit, form and function are no longer enough. We must also traverse the globe in search of the most competitive costs possible, while never compromising on quality.



>>> R&D









Using advanced research and test equipment in our laboratories, some of which are unique and feature proprietary designs, we can conduct R&D to meet the growing need for air filtration solutions that safeguard health, satisfy stricter energy efficiency and sustainability standards, and meet emerging needs for high-tech filtration. We can also steadily maintain, improve and advance our product and drive the development of new innovative filters and solutions.

Thenow is a manufacturer with a huge interest and stake in technology. We have always made substantial investments in R&D for about 3-5% of annual turnover in order to meet the high demands of our customers because it is a very important factor for the future of Thenow and the filtration industry.

Besides, Thenow also has a wide range of test equipment for On-Site measu-rements including particle counters, pressure gauges, airflow meters and gas analysis equipment.







>>> Service







Thenow's qualified staffs are glad to support the customers in all matters concerning the efficiency and operations of our products. We provide our customers in very diverse sectors of industry with maximum benefit from our top-quality filters installed in their highly-complex plant. The flexible and customized package comprises a comprehensive filter program plus service support plus warranties - all at guaranteed fixed costs to bring our partners system solutions that are innovative, high-performance, economically efficient, environmentally friendly and offer excellent value for money.

- Technical service support and maintenance of mechanical and electrical system components
- Filter acceptance measurements
- Measuring dust emissions and immissions
- Technical acceptance testing of the filter and ventilation systems
- Checking the systems' technical condition, weak-point analysis
- Documentation of all work performed









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