

TAILORED AIR FILTRATION SOLUTION

improve indoor air cleanness

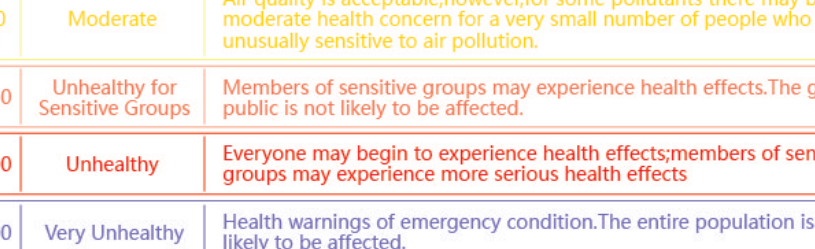
HOME CAUGHT
Explore your daily needs

Tailored air filtration solution to improve indoor air cleanness

Beijing monthly average PM2.5(ug/m³)from USEmbassy monitor



Days (51.8%) are polluted in Beijing in 2013



Air pollution in China

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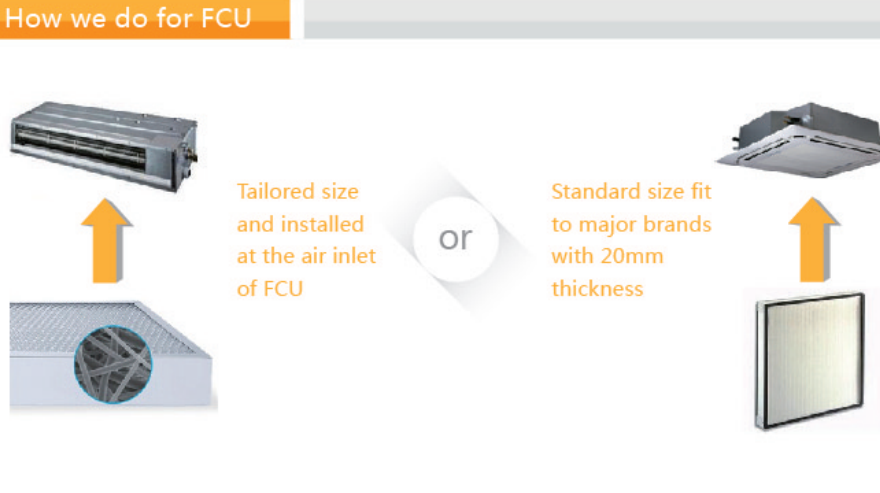
AQI standard

AQI	Air Pollution Level	Health Implications
0-50	Good	Air quality is considered satisfactory, and air pollution poses little or no risk
51-100	Moderate	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.
101-150	Unhealthy for Sensitive Groups	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
151-200	Unhealthy	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
201-300	Very Unhealthy	Health warnings of emergency condition. The entire population is more likely to be affected.
301+	Hazardous	Health alert: everyone may experience more serious health effects.

What we can do?

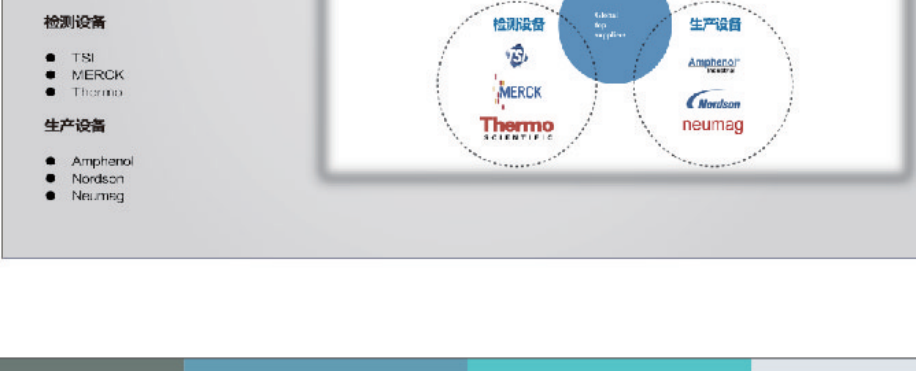
- Improve your in-door air filtering fully base on your existing HVAC system;
- Improve your in-door air quality by installing fresh air unit with PM2.5 filters;
- Improve your building sealing system to reduce the exchange with outdoor dirt air;
- Improve your energy management system by a point to point integrated intelligence management system

How we do ? For a big space like GYM

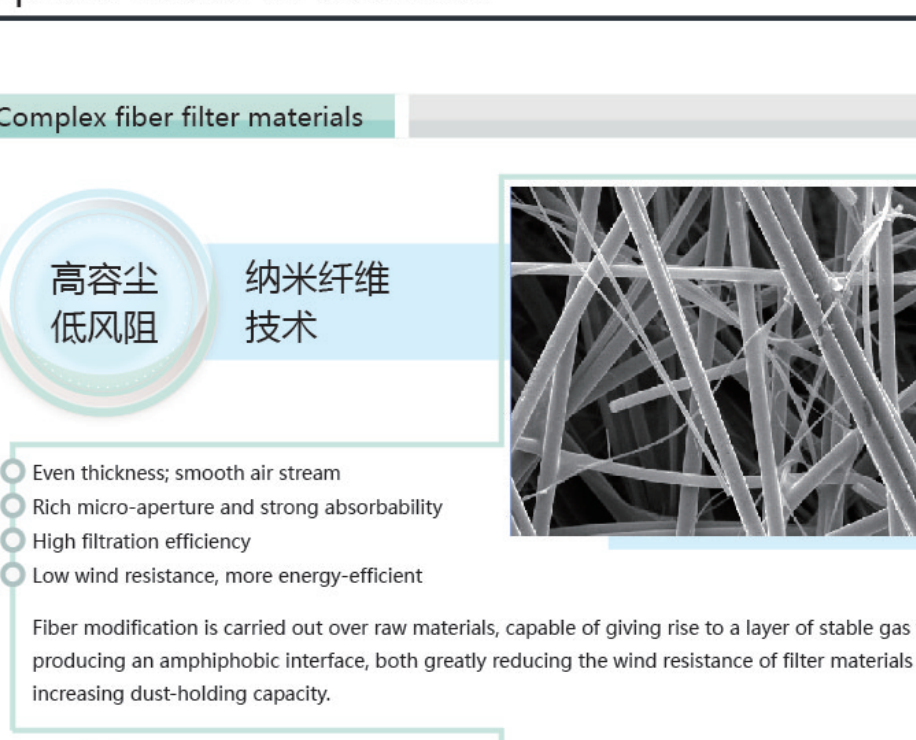


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How we do for FCU



Imported raw material of filters



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Complex fiber filter materials

高容尘 低风阻

纳米纤维技术

- Even thickness; smooth air stream
- Rich micro-aperture and strong absorability
- High filtration efficiency
- Low wind resistance, more energy-efficient

Fiber modification is carried out over raw materials, capable of giving rise to a layer of stable gas film, producing an amphiphobic interface, both greatly reducing the wind resistance of filter materials and increasing dust-holding capacity.

主动吸附

驻极静电技术

- Electrostatic dust holding, not escaping
- A large dust-holding capacity, not to jam the strainer
- Filter effect declines slowly
- Long service life

Electrostatic treatment is carried out over filter materials, making them become small electrodes, which catch and absorb tiny dust through corona discharge, and carry out inactivated treatment over the bacteria on dust.

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Complex fiber filter materials

无毒物理杀菌

全天然细菌灭活技术

- Physical sterilization; pollution-free
- Long-acting broad-spectrum antibacterial
- No longer multiplying

Preventing the secondary pollution of purifier to human body while using the green, environmentally-friendly and purely natural sterilizing materials for effective sterilization in connection with electrostatic discharge technology.

Air filter with a high load and a high dust-holding capacity



The left picture is the dust-holding of ordinary fiber materials. The right picture is the high-dust-holding-capacity materials of complex fiber filter materials. The dust-holding capacity of unique fiber materials is **150%** higher than that of ordinary fiber materials.

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Compare with indoor air purification unit

Comparison	Air purification unit	Filters to FCU
Purification size	60~90 m2 for one room	Whole house
Convenience	Movable to rooms	Integrated with AC system
Air flow	easy to be distorted by indoor furniture	Well organized
Noise	Low noise when stand by	No additional noise
Electricity consumption	Extra consumption	No added cost
Investments	4000~6000 per unit	500~600 per unit

Installation examples



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On site air filter installation and test at Tianjin International School

Quality certificate of filters

