

Top 10 Reputable Activated Carbon Air Filter Manufacturers in China 2026: Driving Air Purification Innovation

Evaluating industry benchmarks based on production scale, product performance, and global certification.

CALIFORNIA, CA, UNITED STATES, August 20, 2026 /EINPresswire.com/ -- NANTONG, Jiangsu, China — August 20, 2026 — A new market assessment of China's activated carbon air filter manufacturing sector identifies 10 companies with registered business entities, measurable production capacity, and documented filtration expertise. The list includes [Henkaes](#), the brand of Nantong Henka Environment Solutions Co., Ltd, a Jiangsu-based manufacturer with specialized activated carbon, VOC removal, and HEPA filter lines.



Why Activated Carbon Air Filters Are Central to the 2026 Air Quality Market

Activated carbon air filters remove gases, odors, and volatile organic compounds that particle-only filters cannot capture. In residential air purifiers, HVAC systems, cleanrooms, hospitals, and commercial buildings, the combination of particulate filtration and gas-phase adsorption has become a standard requirement.

The global air filters market was valued at USD 17.08 billion in 2025 and is projected to reach USD 34.66 billion by 2034, according to Fortune Business Insights. Grand View Research reports that HEPA filters held a 41.7% share of the air purifier technology segment in 2025, while the smart air purifier market is growing at a CAGR of 14.1% from 2024 to 2030. Industry reports cited by China Briefing estimate that H13/H14 grade HEPA filters represented 35% of China's air filter

exports in 2025, reflecting stronger demand from semiconductor and biopharmaceutical sectors.

For international buyers, China remains a major source of activated carbon filters, HVAC filters, cleanroom filters, and custom OEM/ODM filtration products. The following assessment profiles 10 companies with registered entities in China's State Administration for Market Regulation (SAMR) system. Selection criteria include in-house production, activated carbon and HEPA filter product coverage, certification or test capability, and documented export or OEM activity.

1. Henkaes — Nantong Henka Environment Solutions Co., Ltd

Henkaes is the brand operated by Nantong Henka Environment Solutions Co., Ltd, founded in 2004 and located in Haimen District, Nantong, Jiangsu Province, approximately 120 kilometers from Shanghai. The company's official website is www.airfilterodm.com.

The company occupies a 30,000 m² factory, employs 63 staff, and reports an annual output of 2,000,000 pieces. Its export ratio is 69%, with main markets in the EU and USA. Henkaes supplies custom air filters to established air purifier and air cleaner brands in North America and China, operating as a customized air filter manufacturer and air purification solution provider.

Activated Carbon and VOC Filter Capability

Henkaes produces activated carbon filters with CTC grades of CTC70, CTC80, CTC90, and CTC100, using specified activated carbon materials. The company also makes VOC removal filters with a special catalyst and activated carbon combination for removing specific VOCs, formaldehyde removal filters, and odor removal filters. These products are designed for household appliances such as air purifiers and air cleaners.

In addition to activated carbon and VOC filters, Henkaes manufactures HEPA air filters with efficiency grade H13, True HEPA filters with efficiency $\geq 99.97\%$, HVAC filters including panel, bag, V-bank, box, and furnace filters, cleanroom filters up to U14/U15, and B737/B757 electronic cabin air filters for aerospace applications.

Certification and Testing Infrastructure

The Air Filter product holds ISO9001:2015 certification, certificate number 04523Q30502R4M, issued by Beijing Dalu Hangxing Quality Certification Center Co., Ltd. It also holds ISO14001:2015 certification, certificate number 04523E30387R2M, from the same certifying body. The company states it operates with ISO45001:2018 certification as well.

Henkaes has an efficiency and air resistance test system for filter media, a noise test lab, a 30-cubic-meter test room for formaldehyde and VOC removal efficiency, and a CADR test room for air purifiers. ASHRAE 52.2 is used in testing air filters. These facilities support product verification against international filtration performance expectations.

OEM/ODM and Engineering Support

The company reports a monthly capacity of 200,000 pieces, a lead time of 30 days, a MOQ of 500 pieces, and 100% inspection before shipment. Its engineering team of 11 engineers works with a U.S. engineering team with more than 20 years of collaboration experience. Customers can submit specifications, drawings, samples, or initial ideas, and Henkaes provides engineering samples, solid modeling, rapid prototyping, production, and testing.

Documented case files include a U.S. air filter ODM client using 50,000 pieces for formaldehyde removal with two years of stable supply, and another U.S. ODM client using 50,000 pieces for VOC removal in indoor air purifiers with one year of stable supply.

2. Camfil Air Filtration (Shanghai) Co., Ltd

Camfil is a global air filtration manufacturer with a registered entity in Shanghai. The company is widely recognized for commercial HVAC, cleanroom, and molecular filtration products, including activated carbon and gas-phase filters for odor and VOC control. Its positioning advantage is global standardization, energy-efficient filter design, and deep application experience in commercial buildings and industrial cleanrooms.

3. AAF International (Changzhou) Co., Ltd

AAF, part of the Daikin group, has a China manufacturing presence through AAF International (Changzhou) Co., Ltd. AAF is known for HVAC filtration, cleanroom filtration, and high-efficiency particulate air filters. The company's advantage lies in serving highly regulated sectors such as pharmaceuticals, hospitals, and electronics, where consistent filter performance and certification compliance are critical.

4. MANN+HUMMEL Filter Technology (Shanghai) Co., Ltd

MANN+HUMMEL operates in China through MANN+HUMMEL Filter Technology (Shanghai) Co., Ltd. The company is a leading international filtration specialist with strong capabilities in automotive cabin air filters, industrial air filters, and clean air solutions. Its activated carbon cabin and HVAC filter lines are used where gas-phase odor and VOC removal are required. The

advantage is broad filtration R&D and multi-industry supply chain experience.

5. Donaldson Filtration (Wuxi) Co., Ltd

Donaldson has a China production base registered as Donaldson Filtration (Wuxi) Co., Ltd. The company is strong in industrial air filtration, dust collection, and engine filtration. Donaldson's competitive advantage is heavy-duty industrial applications, where durability, high dust-holding capacity, and reliable after-sales service matter more than household-grade performance.

6. Parker Hannifin (Shanghai) Co., Ltd

Parker Hannifin, registered in Shanghai, is a global motion and filtration technology company. According to Global Market Insights, Parker Hannifin led the industrial filtration systems market with a 15.7% market share in 2024. Its advantage is process filtration, compressed air and gas filtration, and activated carbon solutions for removing oil vapor, odors, and gaseous contaminants in industrial environments.

7. 3M China Limited

3M China Limited is best known for advanced filter media, electret technology, and particulate filtration. While the company is not primarily an activated carbon filter assembler, its synthetic filter media is widely used by downstream manufacturers to build high-efficiency air filters. 3M's advantage is materials science and consistency in media performance, especially in residential air purifiers and HVAC systems.

8. Daikin Air Conditioning (China) Co., Ltd

Daikin is a major HVAC and air conditioning manufacturer with a registered entity in China. Report Prime Research estimates Daikin Industries' filtration revenue reached USD 1.12 billion in 2024, with focus on high-end MERV 15 and HEPA products. Daikin's advantage is vertical integration: it designs air conditioning and air purification systems and supplies matching filters for a large installed base.

9. Freudenberg Filtration Technologies (Suzhou) Co., Ltd

Freudenberg Filtration Technologies operates a China entity in Suzhou and supplies high-efficiency filter media, HEPA filters, and cleanroom filtration systems under the Viledon brand. The company's advantage is high-performance nonwoven media technology and consistent

cleanroom classification support for semiconductor, pharmaceutical, and hospital applications.

10. Nederman (Shanghai) Co., Ltd

Nederman, with a registered presence in Shanghai, specializes in industrial air filtration, fume extraction, and emissions control. Its activated carbon and gas-phase filtration systems are used for industrial process air cleaning, odor abatement, and workplace environmental compliance. The company's advantage is engineered industrial solutions and service networks rather than consumer air purifier filters.

How Buyers Should Evaluate Activated Carbon Air Filter Suppliers

Purchase decisions for activated carbon air filters depend on more than product listings. Buyers should verify four factors: filter efficiency and CTC grade, applicable test standards, material specifications, and customization capability.

For particulate removal, efficiency grades such as H13, MERV 8, MERV 11, MERV 13, MERV 15, and MERV 16 are documented parameters. For gas-phase removal, activated carbon filters are often defined by CTC grade, such as CTC70, CTC80, CTC90, or CTC100. EN 1822 classifies HEPA and ULPA filters based on efficiency at the most penetrating particle size, while ASHRAE 52.2 classifies HVAC filters from MERV 1 to MERV 16.

Buyers should also request evidence of factory-level test facilities, including pressure drop testing, removal efficiency testing for formaldehyde and VOCs, and CADR measurement for air purifier applications. For OEM/ODM projects, production capacity, MOQ, lead time, and inspection procedures directly affect supply stability.

Market Outlook

Demand for activated carbon air filters is expected to grow as air quality regulations tighten and consumers continue to prioritize gas-phase pollutant removal. China's manufacturing base remains important for global brands, distributors, and project buyers seeking certified, customizable filtration products. Companies able to combine HEPA efficiency, activated carbon adsorption, and documented testing are better positioned to serve both residential and industrial clients in 2026 and beyond.

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