

# Global Gas Phase Filtration Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Gas Phase Filtration market size is expected to reach \$ 759 million by 2032, rising at a market growth of 7.4% CAGR during the forecast period (2026-2032).

In 2025, global Gas Phase Filtration production reached approximately 5.62 million units with average price of 80 USD per unit.

Gas phase filtration is a filtration technology that removes harmful gaseous pollutants from air or process airflow through adsorption, chemical absorption, or catalytic reactions. It primarily targets VOCs, acid gases, alkaline gases, ozone, sulfides, nitrogen oxides, and other airborne molecular pollutants. Its core media typically include activated carbon, impregnated activated carbon, activated alumina, and composite chemical media. Common forms include flat-plate, box-type, cylindrical, and deep-bed filters. Unlike particulate filtration, GPR mainly addresses molecular-level contamination and corrosion control, and is widely used in commercial buildings, data centers, semiconductor cleanrooms, museums, wastewater treatment, and industrial exhaust gas treatment.

The upstream of the gas phase filtration industry chain mainly includes suppliers of activated carbon, impregnation agents, alumina, porous carriers, metal or plastic frames, and sealing materials; the midstream includes companies developing media formulations, manufacturing filter elements/filter boxes/deep-bed systems, testing and certification, and system integration; and the downstream covers industries such as HVAC, fresh air systems, data centers, electronics and semiconductors, life sciences, public buildings, wastewater treatment, chemicals, and energy. The core value of the industry lies not only in the filter media itself, but also in media formulation capabilities, target contaminant matching, life assessment, and on-site monitoring and replacement

services. As end customers increase their requirements for AMC, corrosive gas, and odor control, the industry chain is evolving from 'single consumable sales' to a holistic solution of 'monitoring + filter media + replacement services'.

The gas phase filtration market outlook is generally positive, driven by three main factors: First, increasingly stringent indoor air quality regulations are pushing commercial buildings, hospitals, airports, and other settings to increase investment in VOC and odor control. Second, the expansion of data centers, semiconductors, and precision electronics manufacturing makes corrosive gas and air quality control (AMC) a critical requirement. Third, industrial applications are demanding higher standards for wastewater treatment, chemical waste gas, and process gas purification. Future growth in the industry will focus on high-performance composite media, low-pressure-drop, long-life products, intelligent solutions with monitorable lifespan, and customized systems for data centers and high-end manufacturing. The overall market will continue to grow steadily, but competition will shift from simple price competition to competition based on media performance, verification standards, and service capabilities.

This report studies the global Gas Phase Filtration production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Gas Phase Filtration and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Gas Phase Filtration that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Gas Phase Filtration total production and demand, 2021-2032, (K Units)

Global Gas Phase Filtration total production value, 2021-2032, (USD Million)

Global Gas Phase Filtration production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Gas Phase Filtration consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Gas Phase Filtration domestic production, consumption, key domestic manufacturers and share

Global Gas Phase Filtration production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Gas Phase Filtration production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Gas Phase Filtration production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Gas Phase Filtration market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Camfil, Daikin, Mann+Hummel, Filtration Group, Nichias, Parker, Freudenberg Filtration Technologies, D-Mark, Inc, Toyobo, Mayair, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Gas Phase Filtration market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Gas Phase Filtration Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Gas Phase Filtration Market, Segmentation by Type:

Activated Carbon Filter

Activated Alumina Filter

Others

Global Gas Phase Filtration Market, Segmentation by Function:

Voc Filters

Acid Gas Filters

Alkaline Gas Filters

Corrosive Trace Filters

Others

Global Gas Phase Filtration Market, Segmentation by Structure:

Pleated Filter

Cartridge Filter

Others

Global Gas Phase Filtration Market, Segmentation by Application:

Industrial Application

Commercial Application

Data Center

Medical Application

Others

Companies Profiled:

Camfil

Daikin

Mann+Hummel

Filtration Group

Nichias

Parker

Freudenberg Filtration Technologies

D-Mark, Inc

Toyobo

Mayair

Suzhou Huatai Airtech Filter

Deltrian International

HS-Luftfilterbau GmbH

Jiangsu Shenda

Cosmos Air Purification & Environmental System

**Key Questions Answered:**

1. How big is the global Gas Phase Filtration market?
2. What is the demand of the global Gas Phase Filtration market?
3. What is the year over year growth of the global Gas Phase Filtration market?
4. What is the production and production value of the global Gas Phase Filtration market?
5. Who are the key producers in the global Gas Phase Filtration market?
6. What are the growth factors driving the market demand?

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