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Filters: China

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About This Report

Scope

This report forecasts to 2022 filter demand and production in nominal US dollars at the manufacturer level in China. Total demand is segmented by product in terms of:

- internal combustion engine filters
- fluid filters
- air filters

Total demand is also segmented by market as follows:

- transportation equipment
- manufacturing
- utilities
- consumer
- off-road equipment
- other markets such as food and service industry, medical devices, and recreation products

To illustrate historical trends, total demand is provided in annual series from 2007 to 2017; production and the various segments are reported at five-year intervals for 2007, 2012, and 2017.

Membranes are excluded from the scope of this report.

For any given historical year, US dollar amounts are obtained from values expressed in the applicable local currency. These local currency values are converted to US dollars at the average annual exchange rate for that year. For forecast years, the US dollar amounts assume the same annual exchange rate as that prevailing in 2017.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Filters: China (FC70036) is based on *Global Filters*, a comprehensive industry study published by The Freedonia Group. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources, such as:

- firms participating in the industry, and their suppliers and customers

About This Report

- government/public agencies
- intergovernmental and non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

Industry Codes

Table 6 | HS Codes Related to Filters

HS Code	Definition
842121	Filtering or purifying machinery and apparatus for liquids: for filtering or purifying water
842122	Filtering or purifying machinery and apparatus for liquids: for filtering or purifying beverages other than water
842123	Filtering or purifying machinery and apparatus for liquid: oil or petrol-filters for internal combustion engines
842129	Filtering or purifying machinery and apparatus for other liquids
842131	Filtering or purifying machinery and apparatus for gases: intake air filters for internal combustion engines
842139	Other filtering or purifying machinery and apparatus for gases

Source: United Nations Statistics Division

Freedonia Methodology

The Freedonia Group, a subsidiary of MarketResearch.com, has been in business for more than 30 years and in that time has developed a comprehensive approach to data analysis that takes into account the variety of industries covered and the evolving needs of our customers.

Every industry presents different challenges in market sizing and forecasting, and this requires flexibility in methodology and approach. Freedonia methodology integrates a variety of quantitative and qualitative techniques to present the best overall picture of a market's current position as well as its future outlook: When published data are available, we make sure they are correct and representative of reality. We understand that published data often have flaws either in scope or quality, and adjustments are made accordingly. Where no data are available, we use various methodologies to develop market sizing (both top-down and bottom-up) and then triangulate those results to come up with the most accurate data series possible. Regardless of approach, we also talk to industry participants to verify both historical perspective and future growth opportunities.

About This Report

Methods used in the preparation of Freedonia market research include, but are not limited to, the following activities: comprehensive data mining and evaluation, primary research, consensus forecasting and analysis, ratio analysis using key indicators, regression analysis, end use growth indices and intensity factors, purchase power parity adjustments for global data, consumer and end user surveys, market share and corporate sales analysis, product lifespan analysis, product or market life cycle analysis, graphical data modeling, long-term historical trend analysis, bottom-up and top-down demand modeling, and comparative market size ranking.

Freedonia quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2 . The most stable data series relative to the trend carries an r^2 value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

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Resources

The Freedonia Group

Global Filters

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Automotive Aftermarket for Filters in North America

Coated Fabrics

Consumer Air Treatment Systems in the US

Consumer Water Treatment Systems in the US

Global Agricultural Equipment

Global Construction Machinery

Global Consumer Water Treatment Systems

Global Forestry Equipment

Global HVAC Equipment

Global Membrane Separation Technologies

Global Mining Equipment

Global Motorcycles

Global Nonwovens

Global Pumps Market

Nonwovens Market in the US

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Global Light Vehicles

Global Water Filtration Equipment

Pumps: China

Transport Equipment: United States

Water: United States

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Filtration Industry Analyst

Filtration+Separation

Water & Wastes Digest

Water Online

Water Technology

Agencies & Associations

American Filtration and Separations Society

China Association of Automobile Manufacturers

Filter Manufacturers Community

International Monetary Fund

International Organization for Standardization

International Water Association

Ministry of Ecology and Environment

Organisation for Economic Co-operation and Development

United Nations Comtrade

Water Quality Association

World Bank