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Global Collection

Global Filters

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About This Report

Scope

This report forecasts to 2022 global demand for filters by product, market, and major world region in nominal US dollars at the manufacturer level. Product segments include:

- internal combustion engine and related filters
- fluid filters
- air filters

Reported markets encompass:

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

Major world regions include North America, Western Europe, Asia/Pacific, and all other regions.

To illustrate historical trends, world, product, market, and regional demand (including product and market segments) are provided for 2007, 2012, and 2017. Finally, global production is segmented by major world region and provided for 2007, 2012, 2017, and 2022.

Membranes, a competing product, 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. 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

Global Filters (FW70036) is based on 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:

About This Report

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- intergovernmental and nongovernmental 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 10 | NAICS & SIC Codes Related to Filters

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industrial Classification	
333999	All other miscellaneous general purpose machinery manufacturing	3569	General industrial machinery, nec
336399	Other motor vehicle parts manufacturing	3599	Industrial and commercial machinery and equipment, nec
		3714	Motor vehicle parts and accessories

Source: US Census Bureau

Table 11 | 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

Table 12 | NACE Codes Related to Filters

NACE Code	Definition
28.25	Manufacture of non-domestic cooling and ventilation equipment
28.29	Manufacture of other general-purpose machinery, nec

Source: European Commission

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.

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

Freedonia Industry Studies

Automotive Aftermarket for Filters in North America

Coated Fabrics in the US

Consumer Air Treatment in the US

Consumer Water Treatment Systems in the US

Global Agricultural Equipment

Global Construction Machinery

Global Consumer Water Treatment Systems

Global Diesel Engines

Global Forestry Equipment

Global HVAC Equipment

Global Membrane Separation Technologies

Global Mining Equipment

Global Motorcycles

Global Nonwovens

Global Pumps Market

HVAC Equipment

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Manufacturing: United States

Motor Vehicles: United States

Nonresidential Building Construction: United States

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Water & Waste Digest

Water Online

Water Technology

Agencies & Associations

Eurostat

Korean Statistical Information Service

Ministry of Economy, Trade and Industry (Japan)

Das Statistisches Bundesamt (Federal Statistics Office – Germany)

Statistics Canada

United Nations Comtrade

United States Census Bureau

United States International Trade Commission