Filters

US Industry Study with Forecasts for 2013 & 2018

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# Filters
## US Industry Study with Forecasts for 2013 & 2018

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US demand to rise 3.3% annually through 2013

Demand for filters in the US is expected to increase 3.3 percent per year to $12.4 billion in 2013. Advances will be spurred by pending changes in environmental regulations, particularly those involving reduced emissions from power plants and diesel engines, and improved operational efficiency of motor vehicle engines. Demand will also be boosted by manufacturers’ increasing interest in reducing costs by reclaiming production inputs from process water and recycling process water for reuse. Filter shipments are projected to advance 3.0 percent annually through 2013 to $12.0 billion. Since most filters produced in the US are ultimately used in the US, gains in shipments are driven by many of the same factors as demand.

Newer product penetration to boost aftermarket sales

Gains will be driven by ongoing sales in the aftermarket, which accounts for the vast majority of demand. Aftermarket sales will be boosted by the increasing penetration of newer products, particularly motor vehicle cabin air filters, diesel emissions filters and many varieties of home air and water filters, so that more filters are in operation, as well as by the rising awareness of the recommended replacement schedule of these newer filters. However, growth in the aftermarket will be offset to a degree by users’ tendency to replace filters less often than recommended by the manufacturers.

Additionally, sales will also be restrained by the ongoing development of filters featuring longer lasting media or other technologies that extend their useful life. Original equipment filter sales will benefit from a projected rebound in new vehicle production and the increasing penetration of newer filter products, particularly in the motor vehicle and consumer markets.

Leading air filters segment to post strongest growth

In 2008, internal combustion engine filters (oil filters, air intake filters, fuel filters, cabin air filters and others) accounted for the largest share of filter shipments with 39 percent. Although this is a relatively mature product group, sales will benefit from the ongoing development of new types of emissions filters, particularly for diesel engines, and the growing aftermarket for cabin air filters. Shipments of fluid filters (e.g., fluid power, municipal water and waste, consumer water and industrial fluid filters) accounted for the second largest share of total shipments, with 35 percent. Although they compete with membrane separation technologies, fluid filters will also benefit from their use as pre-treatment steps for these technologies. Shipments of air filters are expected to post the strongest growth through 2013, driven by changes in environmental regulations and advances in the consumer market.
Fluid Power Filters

Shipments of fluid power filters are expected to increase 4.9% per year to $825 million in the supply of fluid power filters will be driven by the recovery in the construction equipment market. Shipments will also benefit from increased growth in the production of aerospace equipment and machinery and equipment. These sectors often use hydraulic and pneumatic-powered components; although, the projected gains in aerospace equipment and machinery shipments are a deceleration from those achieved in the 2003-2008 period.

Domestic shipments of fluid power filters are protected from low-cost competing imports to some extent by the high tech nature of the filters. As a result, exports account for a small share of fluid power filter shipments and the US is still a net exporter. Through 2013, export growth is expected to outpace import growth, largely because of the specialized nature of many of these filters and the need for exported filters to support the movement of many types of manufacturing outside the US. However, export gains will be restrained as fluid power filter production also shifts outside the US.

Fluid power filters are designed as integral parts of hydraulic and pneumatic fluid power systems, which transfer energy via the force of pressurized liquids such as water or oil (hydraulics) or compressed air (pneumatics). Hydraulic system filters include suction line filters that block contaminants before they reach the pump, pressure line filters that are located between the pump and other components, and return line filters that filter the fluids before they are recirculated. These filters are designed to protect downstream equipment from contaminants, such as dirt and chips of metal, rubber or plastic, which could cause damage to the systems and result in premature failure. Pneumatic filters are used to...
Sample Profile, Table & Forecast

Kaz Incorporated
1775 Broadway, Suite 2405
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http://www.kaz.com

Annual Sales: $355 million (estimated)
Employment: 4,050 (estimated)

Key Products:
- humidifier filters
- high-efficiency particulate air filters (HEPA)
- carbon pre-filters
- filter cartridges
- replacement filters
- humidifiers
- air purifiers

Kaz is a privately held manufacturer of vaporizers, humidifiers, thermometers, electric heaters, fans and insect control products. Moreover, the Company is a licensee of the VICKS brand name from Procter & Gamble Company (Cincinnati, Ohio).

The Company is involved in the US filters industry through the production of such air filtration products as humidifier filters, high-efficiency particulate air (HEPA) filters, carbon pre-filters, filter cartridges, replacement filters, humidifiers and air purifiers. Many of these products are manufactured and sold under the KAZ brand name; however, through several licensing agreements, Kaz also makes and markets various filtration products under such brand names as VICKS, HONEYWELL, DURACRAFT and ENVIRACAIRE. Specifically, as a licensee of Procter & Gamble’s VICKS brand name, Kaz manufactures and markets VICKS products, including humidifiers, many of which utilize KAZ filters. In addition, the Company maintains a licensing agreement with Honeywell International Incorporated for the use of the HONEYWELL, DURACRAFT and ENVIRACAIRE brand names.

“Demand for filters in the motor vehicle aftermarket is expected to advance 2.1 percent annually to $3.1 billion in 2013. Sales growth will benefit from steady increases in the number of motor vehicles in use. The aging vehicle stock will also drive gains since older vehicles often run dirtier and less efficiently than newer models, thus requiring more frequent filter and fluid changes. Additionally, advances will benefit from improved consumer compliance with recommended filter replacement rates. This trend is partly the result of ...”

--Section V, pg. 161

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OTHER STUDIES

World Water Desalination
Global water desalination demand will grow 9.1% annually through 2013. The Africa/Mideast region will remain the dominant market while the Asia/Pacific region grows the fastest. Technologies such as reverse osmosis membranes and multiple-effect distillation will increase market share. This study analyzes the $8.4 billion world desalination industry, with forecasts for 2013 and 2018 by technology, product, service, world region and for 17 countries. It also evaluates market share and profiles industry players.

#2523 .......................... 08/2009 ......................... $5700

World Membrane Separation Technologies
Global membrane demand is projected to grow 8.6% annually through 2012, driven in part by concerns about water quality and waste stream disposal. Large, developing countries with stressed local water resources will be the fastest growing markets. North America will remain the largest outlet and post strong advances. This study analyzes the $10 billion world membrane industry, with forecasts for 2012 and 2017 by product, market, world region and for 18 countries. It also evaluates market share and profiles industry players.

#2468 .......................... 04/2009 ......................... $5700

World Nonwovens
Global demand for nonwoven fabrics is forecast to rise 6.9% yearly through 2012. Gains in developing parts of Asia/Pacific, Eastern Europe, Africa/Mideast and Latin America will outpace demand in developed countries. Spunmelt nonwovens, the largest segment, will also grow the fastest. This study analyzes the $21.2 billion world nonwovens industry, with forecasts for 2012 and 2017 by formation process, application, market, world region and for 19 national markets. It also evaluates market share and profiles industry players.

#2482 .......................... 03/2009 ......................... $5600

Filters in China
Demand for filters in China will jump 14.4% annually through 2011. Air filters will post the fastest gains, spurred by rising output of products that include filters or are made in clean-air factories. The motor vehicle market will remain dominant while the water and waste treatment segment of the utilities and consumer markets grows the fastest. This study analyzes the $20.9 billion Chinese filter industry, with forecasts for 2011 and 2016 by product and market. It also evaluates company market share and profiles major players.

#2310 .......................... 05/2008 ......................... $5100

World Filters
Global filter demand will climb 5.6% annually through 2011. Developing areas will lead gains based on faster-growing economies and the enactment of stricter environmental laws. China, India and the Russia will post some of the strongest sales growth. Air and fluid filters will be the fastest growing types. This study analyzes the $5.7 billion world filter industry, with forecasts for 2011 and 2016 by product, market, world region and for 26 countries. It also evaluates company market share and profiles major players.

#2295 .......................... 03/2008 ......................... $5800

About The Freedonia Group

The Freedonia Group, Inc., is a leading international industry market research company that provides its clients with information and analysis needed to make informed strategic decisions for their businesses. Studies help clients identify business opportunities, develop strategies, make investment decisions and evaluate opportunities and threats. Freedonia research is designed to deliver unbiased views and reliable outlooks to assist clients in making the right decisions. Freedonia capitalizes on the resources of its proprietary in-house research team of experienced economists, professional analysts, industry researchers and editorial groups. Freedonia covers a diverse group of industries throughout the United States, the emerging China market, and other world markets. Industries analyzed by Freedonia include:

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