

Filtration and Separation Equipment Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 to 2032

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Abstracts

The Global Filtration And Separation Equipment Market registered USD 102.1 billion in 2023 and will expand at a 4.5% CAGR from 2024 to 2032, owing to innovations in filtration and separation technologies. Advances such as membrane filtration, nanofiltration, and automated systems enhance efficiency and effectiveness in various applications, appealing to industries seeking optimal solutions. Also, rising health awareness among consumers regarding the importance of clean water and safe food is increasing demand for advanced filtration systems in both residential and commercial settings. This combination of technological advancements and heightened health consciousness creates a robust environment for market growth.

The filtration and separation equipment industry is segregated based on type, technology, application, distribution channel, and region. The liquid and gas filtration segment captured USD 64.9 billion in 2023 and will reach a 4.6% CAGR through 2032, attributed to its critical role across various industries, including chemicals, pharmaceuticals, and food and beverage. Efficient filtration processes are essential to ensure product quality and safety by removing contaminants and impurities from liquids and gases. As industries continue to prioritize compliance with stringent regulations and quality standards, the demand for advanced liquid and gas filtration solutions will grow, solidifying its dominant position in the market.

The indirect sales segment achieved 62.6% share in 2023 and will grow at a 4.6% CAGR up to 2032, driven by its extensive distribution network and ability to reach diverse customer bases. Distributors and resellers play a crucial role in providing equipment to various industries, including pharmaceuticals, food and beverage, and chemicals, ensuring that customers have access to a wide range of filtration solutions. Additionally, the expertise of indirect sales channels in understanding customer needs and offering tailored solutions enhances market penetration, further solidifying this

segment's dominance. North America filtration and separation equipment industry held 35.8% market share in 2023 and will grow at a 4.6% CAGR through 2032. The region boasts a strong industrial infrastructure spanning sectors such as oil and gas, power generation, pharmaceuticals, chemicals, food and beverage, and wastewater treatment.

These industries necessitate high-efficiency filtration and separation equipment to comply with environmental regulations and optimize operational performance.

Regulatory agencies, including the Environmental Protection Agency (EPA), impose stringent environmental and emissions standards, driving the demand for technologies that minimize pollutants and contaminants in air, water, and industrial processes.

Contents

Report Content

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Market scope & definitions
- 1.2 Base estimates & calculations
- 1.3 Forecast calculations
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Secondary
 - 1.4.2.1 Paid sources
 - 1.4.2.2 Public sources

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry 360° synopsis, 2021-2032

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
 - 3.1.1 Factor affecting the value chain
 - 3.1.2 Profit margin analysis
 - 3.1.3 Disruptions
 - 3.1.4 Future outlook
 - 3.1.5 Manufacturers
 - 3.1.6 Distributors
- 3.2 Supplier landscape
- 3.3 Profit margin analysis
- 3.4 Technological overview
- 3.5 Key news & initiatives
- 3.6 Regulatory landscape
- 3.7 Impact forces
 - 3.7.1 Growth drivers
 - 3.7.1.1 Stringent environmental regulations
 - 3.7.1.2 Rising industrialization and urbanization
 - 3.7.1.3 Growing demand for clean water
 - 3.7.2 Industry pitfalls & challenges

- 3.7.2.1 High initial investment and operational costs
- 3.7.2.2 Waste management and disposal challenges
- 3.8 Growth potential analysis
- 3.9 Porter's analysis
- 3.10 PESTEL analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2023

- 4.1 Introduction
- 4.2 Company market share analysis
- 4.3 Competitive positioning matrix
- 4.4 Strategic outlook matrix

CHAPTER 5 FILTRATION AND SEPARATION EQUIPMENT MARKET ESTIMATES & FORECAST, BY TYPE, 2021-2032 (USD BILLION)

- 5.1 Key trends
- 5.2 Liquid & gas filtration
- 5.3 Air filtration

CHAPTER 6 FILTRATION AND SEPARATION EQUIPMENT MARKET ESTIMATES & FORECAST, BY APPLICATION, 2021-2032 (USD BILLION)

- 6.1 Key trends
- 6.2 Water/Wastewater
- 6.3 Life sciences
- 6.4 Transportation
- 6.5 HVAC/AP control
- 6.6 Industrial process

CHAPTER 7 FILTRATION AND SEPARATION EQUIPMENT MARKET ESTIMATES & FORECAST, BY TECHNOLOGY, 2021-2032 (USD BILLION)

- 7.1 Key trends
- 7.2 Membrane filtration
- 7.3 Mechanical filtration
- 7.4 Centrifugal filtration
- 7.5 Electrostatic filtration
- 7.6 Magnetic filtration

CHAPTER 8 FILTRATION AND SEPARATION EQUIPMENT MARKET ESTIMATES & FORECAST, BY DISTRIBUTION CHANNEL, 2021-2032 (USD BILLION)

- 8.1 Key trends
- 8.2 Direct sales
- 8.3 Indirect sales

CHAPTER 9 FILTRATION AND SEPARATION EQUIPMENT MARKET ESTIMATES & FORECAST, BY REGION, 2021-2032 (USD BILLION)

- 9.1 Key trends
- 9.2 North America
 - 9.2.1 U.S.
 - 9.2.2 Canada
- 9.3 Europe
 - 9.3.1 UK
 - 9.3.2 Germany
 - 9.3.3 France
 - 9.3.4 Italy
 - 9.3.5 Spain
 - 9.3.6 Russia
 - 9.3.7 Rest of Europe
- 9.4 Asia Pacific
 - 9.4.1 China
 - 9.4.2 India
 - 9.4.3 Japan
 - 9.4.4 South Korea
 - 9.4.5 Australia
 - 9.4.6 Rest of Asia Pacific
- 9.5 Latin America
 - 9.5.1 Brazil
 - 9.5.2 Mexico
 - 9.5.3 Rest of Latin America
- 9.6 MEA
 - 9.6.1 South Africa
 - 9.6.2 Saudi Arabia
 - 9.6.3 UAE
 - 9.6.4 Rest of MEA

CHAPTER 10 COMPANY PROFILES

- 10.1 Parker-Hannifin Corporation
- 10.2 Eaton Corporation
- 10.3 3M Company
- 10.4 Pall Corporation (Danaher Corporation)
- 10.5 Donaldson Company, Inc.
- 10.6 MANN+HUMMEL
- 10.7 Alfa Laval AB
- 10.8 GEA Group AG
- 10.9 Suez Water Technologies & Solutions
- 10.10 Hydac International GmbH
- 10.11 Lydall, Inc.
- 10.12 Pentair Plc
- 10.13 Porvair Filtration Group
- 10.14 SPX Flow, Inc.
- 10.15 Graver Technologies

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