

# **Filter Needles Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Raw Material (Stainless Steel, Glass, Others), By End Use (Hospitals & Clinics, Ambulatory Surgery Centers, Others), By Region, and By Competition, 2019-2029F**

<https://marketpublishers.com/r/F564444CBB5DEN.html>

Date: April 2024

Pages: 186

Price: US\$ 4,900.00 (Single User License)

ID: F564444CBB5DEN

## **Abstracts**

Global Filter Needles Market was valued at USD 1.56 billion in 2023 and is anticipated to project impressive growth in the forecast period with a CAGR of 7.20% through 2029. In the realm of business, the market is being propelled by several significant factors, which include the growing incidence of road accidents, the rising prevalence of diabetes, an expanding elderly population, and various surgical procedures. Additionally, the market is anticipated to receive further impetus from the escalating occurrence of accidents like burns, road accidents, and traumatic events on a global scale. As an illustration, data from the World Health Organization (WHO) in March 2018 revealed that roughly 180,000 fatalities are recorded worldwide each year due to burn-related incidents. Similarly, the same source indicates that India witnesses approximately 1 million individuals experiencing severe or moderate burns annually.

### **Key Market Drivers**

#### **Rising Demand for Sterile Healthcare Procedures**

In the dynamic landscape of the global healthcare industry, a niche market has been steadily gaining traction: the Global Filter Needles Market. This growth is primarily driven by the increasing focus on maintaining sterility in healthcare procedures. Sterility serves as the foundation of healthcare, ensuring patient safety, preventing infections, and minimizing complications. Sterile procedures are vital across various medical activities, including drug preparation, intravenous administrations, vaccinations, and

surgical interventions. Maintaining sterility is particularly critical for injections and handling sensitive biological substances. The pharmaceutical and biotechnology sectors are witnessing significant growth with the development of advanced drugs and biologics. Many of these medications are administered through injections, necessitating the utmost purity and sterility. Filter needles play a crucial role in safeguarding medications from contamination, thereby contributing to market growth.

The global prevalence of chronic diseases, such as diabetes, has led to an increased need for regular injections and medication administration. Patients with these conditions require sterile drug preparations to prevent infections and complications, driving the demand for filter needles. As chronic diseases continue to rise, so does the need for sterile procedures and filter needles. The aging global population presents both challenges and opportunities in healthcare. Elderly individuals often require complex medical treatments administered under sterile conditions. As the elderly population grows, the demand for sterile healthcare procedures, including filter needles, increases accordingly.

Advances in medical science and technology have led to a rise in numerous and intricate surgical procedures. Whether in hospitals or outpatient facilities, maintaining sterility during surgical preparations and injections is essential. Filter needles play a vital role in ensuring the safety of patients and medical practitioners. The growing number of surgeries performed globally directly contributes to the increasing demand for filter needles. Global health organizations and regulatory bodies emphasize patient safety through established guidelines and standards. Compliance with these regulations, which often recommend or mandate the use of filter needles to minimize contamination risks, further drives market growth.

### The Silent Pandemic Chronic Diseases

In recent years, the healthcare sector has been grappling with a silent pandemic: the escalating prevalence of chronic diseases. While these conditions may not always grab headlines, they are exerting a significant influence on the industry, notably driving the expansion of the Global Filter Needles Market. The rising incidence of chronic diseases translates to a greater number of patients requiring regular medication administration, often via injections. To maintain the purity and integrity of these medications, the use of filter needles is essential. The uptick in chronic diseases directly corresponds to the heightened demand for sterile injections, thus fueling the market for filter needles.

Many individuals afflicted with chronic diseases have compromised immune systems,

rendering them more susceptible to infections and complications. Filter needles play a pivotal role in safeguarding these patients by ensuring a sterile environment during medical procedures. As the population affected by chronic diseases continues to grow, the necessity for such protective measures escalates, further driving the demand for filter needles. In the quest for more efficacious treatments for chronic diseases, the pharmaceutical sector has witnessed advancements in biologics and cutting-edge therapies. These medications, frequently administered via injections, require stringent sterility measures. Filter needles become indispensable in upholding the integrity of these advanced treatments, which are increasingly relied upon for managing chronic conditions.

Chronic diseases not only pose challenges to public health but also incur substantial economic burdens. The expenses associated with chronic disease management, encompassing hospitalization, medications, and associated complications, are considerable. To mitigate these costs and ensure streamlined healthcare delivery, maintaining sterility in medical procedures is paramount. Filter needles play a vital role in achieving these cost-effective and efficient outcomes, establishing them as integral components in chronic disease management. Global health organizations and regulatory bodies acknowledge the importance of maintaining sterility in healthcare procedures, particularly in the context of chronic disease management. Many guidelines and standards now advocate or mandate the use of filter needles to mitigate contamination risks. Adherence to these regulations is driving the growth trajectory of the filter needles market.

### Expanding Surgical Procedures

In the rapidly evolving healthcare sector, the Global Filter Needles Market is witnessing a surge in demand, driven significantly by the substantial increase in surgical procedures. Advancements in medical technology have transformed surgical practices, with minimally invasive techniques and robotic-assisted surgeries becoming standard procedures. These sophisticated operations often involve intricate maneuvers within the body. To mitigate the risk of post-operative infections and complications, maintaining a sterile environment is imperative. Filter needles play a vital role in ensuring the sterility of medications and substances administered during surgery.

A growing number of surgeries are now conducted in outpatient settings, offering various benefits but also necessitating stringent measures to uphold sterility outside the controlled environment of hospitals. Filter needles are crucial for ensuring the smooth progress of these surgeries, preventing infections and complications that could

necessitate readmission. Patients increasingly opt for elective surgeries, including cosmetic procedures and joint replacements. Although not emergencies, these surgeries demand the same level of sterility as life-saving procedures. The utilization of filter needles becomes essential in such scenarios to uphold patient safety and well-being.

Many surgical procedures involve the administration of drugs and anesthetics, requiring meticulous preparation under sterile conditions. Filter needles play a pivotal role in ensuring the sterility of these medications, thereby averting contamination and complications during surgery. Preventing post-operative infections is a significant challenge in modern surgery. These infections can prolong hospital stays, escalate healthcare expenditures, and, in severe cases, lead to fatalities. By employing filter needles to maintain sterility during drug preparation and administration, healthcare providers proactively mitigate the risk of post-operative infections.

### Surge in Trauma and Accident Cases

In the healthcare sector, trauma and accident cases present unpredictable and demanding scenarios. While these emergencies necessitate immediate life-saving interventions, they also pose the risk of contamination and infection. It is within this high-pressure environment that the Global Filter Needles Market plays a critical role.

Trauma and accident cases require prompt medical response to address injuries sustained, whether from burns, road accidents, or workplace incidents. Swift administration of medications and treatments is essential in these situations. Filter needles play a pivotal role in ensuring the sterile delivery of these treatments, mitigating the risk of complications. Such cases often involve open wounds, fractures, and severe injuries, exposing patients to a higher risk of contamination. Maintaining sterility is crucial to prevent infections and complications. Filter needles serve as a crucial barrier in this regard, aiding in safeguarding both patients and healthcare providers.

Within hospital settings, trauma and accident patients face an elevated risk of acquiring infections. Hospital-acquired infections can lead to prolonged stays, increased healthcare expenses, and more severe health outcomes. Filter needles contribute significantly to reducing such infections by ensuring the sterility of medical procedures and drug preparations in trauma and accident cases. During mass casualty incidents, like natural disasters or large-scale accidents, healthcare providers must manage a surge of trauma cases simultaneously. In these challenging circumstances, filter needles become indispensable tools for maintaining sterility and preventing infections.

amidst the chaotic environment.

## Key Market Challenges

### Market Competition

The filter needles market has seen a rise in competition, with multiple manufacturers producing various types and designs of filter needles. This competition can drive innovation but also poses challenges for both established and new market entrants in terms of differentiation, pricing, and market share.

### Sustainability and Environmental Concerns

In today's environmentally conscious world, there is a growing concern regarding the impact of healthcare products on the environment. The use of disposable filter needles contributes to medical waste, and addressing the sustainability of these products presents a challenge for manufacturers and healthcare facilities.

### Supply Chain Disruptions

The global supply chain has faced disruptions in recent years, with the COVID-19 pandemic highlighting vulnerabilities. Ensuring a consistent and reliable supply of filter needles, which are critical for patient care, is an ongoing challenge, especially in the face of unforeseen events that can disrupt supply chains.

## Key Market Trends

### Expansion of Biologics and Advanced Therapies

The pharmaceutical industry is witnessing a shift towards the development of biologics and advanced therapies, such as gene and cell therapies. These cutting-edge treatments require the highest standards of sterility, driving the demand for filter needles. As the use of biologics expands, filter needles tailored to their specific requirements are expected to gain prominence.

### Minimizing Environmental Impact

Environmental sustainability is a growing concern in healthcare. The industry is exploring eco-friendly alternatives and more sustainable practices, even in disposable

medical products like filter needles. We can expect to see innovations in biodegradable or recyclable materials and reduced packaging waste to address environmental concerns.

### Technological Integration

Advancements in medical technology are leading to the integration of smart features into healthcare products. Smart filter needles, equipped with sensors or connectivity, can enhance patient safety, track usage, and reduce errors. As technology continues to advance, we can anticipate the integration of smart features in filter needles.

### Segmental Insights

#### Raw Material Insights

Based on the category Raw Material, the stainless-steel sector emerged as the dominant force in 2023, capturing the largest revenue share. It is anticipated to maintain this position with the highest Compound Annual Growth Rate (CAGR) in the foreseeable future. This dominance can be attributed to the significant presence of leading industry players offering stainless steel, renowned for its corrosion-resistant properties, making it an ideal material for filter needles. Additionally, stainless steel offers cost advantages, further enhancing its appeal as a budget-friendly option. Moreover, the increasing prevalence of chronic wounds globally is expected to drive further growth in this sector. Notable companies in this field include BD, Cardinal Health, and B. Braun SE.

Also, the glass segment is forecasted to experience a notable CAGR in the coming years. Glass needles offer various advantages, including minimal volume discrepancies, suitability for high-precision tasks, and cost-effectiveness, which are poised to stimulate market demand. These advantages position glass needles as ideal for applications in medical technology. However, it's important to note certain drawbacks associated with using a glass needle system, such as potential surface reactivity and susceptibility to breakage.

#### End Use Insights

Based on End Use, the hospital and clinics sector emerged as the frontrunner in revenue generation for the year 2023. This was primarily fueled by the rising rate of hospitalizations observed globally. For instance, a report released by the Canadian



Institute of Health Information (CIHI) in February 2023 highlighted a notable upward trend.

Conversely, the ambulatory surgery centers segment is poised to witness the most rapid Compound Annual Growth Rate (CAGR) in the projected period. Ambulatory surgery centers, also known as outpatient surgery centers, are typically preferred by patients undergoing less complex procedures with shorter recovery times. Currently, there is a growing global demand for minimally invasive procedures due to their numerous advantages, including reduced scarring, minimal tissue damage, high precision, and shorter hospital stays. This trend is expected to drive the need for surgical care and diagnostics offered by ambulatory surgical centers.

### Regional Insights

North America led the market in 2023, capturing the largest revenue share. This was driven by several factors, including favorable reimbursement policies, well-established healthcare infrastructure, growing health awareness among the population, and the presence of numerous key industry players. Regulatory bodies like the Food and Drug Administration (FDA) in this region also played a crucial role by implementing laws related to medical device reimbursement. For instance, in May 2021, the FDA recommended the suspension of certain needles and syringes manufactured by Guangdong Haiou Medical Apparatus CO., LTD (HAIUO) until their evaluation was completed.

Meanwhile, the Asia Pacific region is anticipated to witness the fastest Compound Annual Growth Rate (CAGR) during the forecast period. This projection is supported by various factors, including the presence of numerous local players, a surge in healthcare spending, and the large populations of countries such as India and China. Moreover, middle and low-income countries within the region are experiencing an increase in accidents, such as burns and road accidents, which is expected to drive market growth. For example, according to the Ministry of Road Transport and Highways of the Government of India (GOI), in 2021, a total of 4,12,432 road accidents were reported, resulting in 1,53,972 fatalities and injuries to 3,84,448 individuals in the country.

### Key Market Players

Cardinal Health Inc

Myco Medical Supplies Inc

Stryker Corp

B Braun SE

Sol-Millennium Medical Inc.

Terumo Corp

ICU Medical Inc

Report Scope:

In this report, the Global Filter Needles Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Filter Needles Market,By Raw Material:

- oStainless Steel

- oGlass

- oOthers

Filter Needles Market,By End Use:

- oHospitals Clinics

- oAmbulatory Surgery Centers

- oOthers

Filter Needles Market, By Region:

- oNorth America

  - United States

  - Canada



Mexico

oEurope

Germany

United Kingdom

France

Italy

Spain

oAsia-Pacific

China

Japan

India

Australia

South Korea

oSouth America

Brazil

Argentina

Colombia

oMiddle East Africa

South Africa

Saudi Arabia

UAE

Kuwait

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Filter Needles Market.

Available Customizations:

Global Filter Needles market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

## Contents

### **1.PRODUCT OVERVIEW**

- 1.1.Market Definition
- 1.2.Scope of the Market
  - 1.2.1.Markets Covered
  - 1.2.2.Years Considered for Study
  - 1.2.3.Key Market Segmentations

### **2.RESEARCH METHODOLOGY**

- 2.1.Objective of the Study
- 2.2.Baseline Methodology
- 2.3.Key Industry Partners
- 2.4.Major Association and Secondary Sources
- 2.5.Forecasting Methodology
- 2.6.Data Triangulation Validation
- 2.7.Assumptions and Limitations

### **3.EXECUTIVE SUMMARY**

- 3.1.Overview of the Market
- 3.2.Overview of Key Market Segmentations
- 3.3.Overview of Key Market Players
- 3.4.Overview of Key Regions/Countries
- 3.5.Overview of Market Drivers, Challenges, Trends

### **4.VOICE OF CUSTOMER**

### **5.GLOBAL FILTER NEEDLES MARKET OUTLOOK**

- 5.1.Market Size Forecast
  - 5.1.1.By Value
- 5.2.Market Share Forecast
  - 5.2.1.By Raw Material (Stainless Steel, Glass, Others)
  - 5.2.2.By End Use (Hospitals Clinics, Ambulatory Surgery Centers, Others)
  - 5.2.3.By Region
  - 5.2.4.By Company (2023)

### 5.3.Product Market Map

#### 5.3.1.By Raw Material

#### 5.3.2.By End Use

#### 5.3.3.By Region

## 6.NORTH AMERICA FILTER NEEDLES MARKET OUTLOOK

### 6.1.Market Size Forecast

#### 6.1.1.By Value

### 6.2.Market Share Forecast

#### 6.2.1.By Raw Material (Stainless Steel, Glass, Others)

#### 6.2.2.By End Use (Hospitals Clinics, Ambulatory Surgery Centers, Others)

#### 6.2.3.By Country

### 6.3.North America: Country Analysis

#### 6.3.1.United States Filter Needles Market Outlook

##### 6.3.1.1.Market Size Forecast

###### 6.3.1.1.1.By Value

##### 6.3.1.2.Market Share Forecast

###### 6.3.1.2.1.By Raw Material

###### 6.3.1.2.2.By End Use

#### 6.3.2.Canada Filter Needles Market Outlook

##### 6.3.2.1.Market Size Forecast

###### 6.3.2.1.1.By Value

##### 6.3.2.2.Market Share Forecast

###### 6.3.2.2.1.By Raw Material

###### 6.3.2.2.2.By End Use

#### 6.3.3.Mexico Filter Needles Market Outlook

##### 6.3.3.1.Market Size Forecast

###### 6.3.3.1.1.By Value

##### 6.3.3.2.Market Share Forecast

###### 6.3.3.2.1.By Raw Material

###### 6.3.3.2.2.By End Use

## 7.EUROPE FILTER NEEDLES MARKET OUTLOOK

### 7.1.Market Size Forecast

#### 7.1.1.By Value

### 7.2.Market Share Forecast

#### 7.2.1.By Raw Material (Stainless Steel, Glass, Others)

7.2.2.By End Use (Hospitals Clinics, Ambulatory Surgery Centers, Others)

7.2.3.By Country

7.3.Europe: Country Analysis

7.3.1.Germany Filter Needles Market Outlook

7.3.1.1.Market Size Forecast

7.3.1.1.1.By Value

7.3.1.2.Market Share Forecast

7.3.1.2.1.By Raw Material

7.3.1.2.2.By End Use

7.3.2.United Kingdom Filter Needles Market Outlook

7.3.2.1.Market Size Forecast

7.3.2.1.1.By Value

7.3.2.2.Market Share Forecast

7.3.2.2.1.By Raw Material

7.3.2.2.2.By End Use

7.3.3.France Filter Needles Market Outlook

7.3.3.1.Market Size Forecast

7.3.3.1.1.By Value

7.3.3.2.Market Share Forecast

7.3.3.2.1.By Raw Material

7.3.3.2.2.By End Use

7.3.4.Italy Filter Needles Market Outlook

7.3.4.1.Market Size Forecast

7.3.4.1.1.By Value

7.3.4.2.Market Share Forecast

7.3.4.2.1.By Raw Material

7.3.4.2.2.By End Use

7.3.5.Spain Filter Needles Market Outlook

7.3.5.1.Market Size Forecast

7.3.5.1.1.By Value

7.3.5.2.Market Share Forecast

7.3.5.2.1.By Raw Material

7.3.5.2.2.By End Use

## **8.ASIA-PACIFIC FILTER NEEDLES MARKET OUTLOOK**

8.1.Market Size Forecast

8.1.1.By Value

8.2.Market Share Forecast

8.2.1.By Raw Material (Stainless Steel, Glass, Others)

8.2.2.By End Use (Hospitals Clinics, Ambulatory Surgery Centers, Others)

8.2.3.By Country

8.3.Asia-Pacific: Country Analysis

8.3.1.China Filter Needles Market Outlook

8.3.1.1.Market Size Forecast

8.3.1.1.1.By Value

8.3.1.2.Market Share Forecast

8.3.1.2.1.By Raw Material

8.3.1.2.2.By End Use

8.3.2.Japan Filter Needles Market Outlook

8.3.2.1.Market Size Forecast

8.3.2.1.1.By Value

8.3.2.2.Market Share Forecast

8.3.2.2.1.By Raw Material

8.3.2.2.2.By End Use

8.3.3.India Filter Needles Market Outlook

8.3.3.1.Market Size Forecast

8.3.3.1.1.By Value

8.3.3.2.Market Share Forecast

8.3.3.2.1.By Raw Material

8.3.3.2.2.By End Use

8.3.4.Australia Filter Needles Market Outlook

8.3.4.1.Market Size Forecast

8.3.4.1.1.By Value

8.3.4.2.Market Share Forecast

8.3.4.2.1.By Raw Material

8.3.4.2.2.By End Use

8.3.5.South Korea Filter Needles Market Outlook

8.3.5.1.Market Size Forecast

8.3.5.1.1.By Value

8.3.5.2.Market Share Forecast

8.3.5.2.1.By Raw Material

8.3.5.2.2.By End Use

## **9.SOUTH AMERICA FILTER NEEDLES MARKET OUTLOOK**

9.1.Market Size Forecast

9.1.1.By Value

## 9.2. Market Share Forecast

9.2.1. By Raw Material (Stainless Steel, Glass, Others)

9.2.2. By End Use (Hospitals Clinics, Ambulatory Surgery Centers, Others)

9.2.3. By Country

## 9.3. South America: Country Analysis

9.3.1. Brazil Filter Needles Market Outlook

9.3.1.1. Market Size Forecast

9.3.1.1.1. By Value

9.3.1.2. Market Share Forecast

9.3.1.2.1. By Raw Material

9.3.1.2.2. By End Use

9.3.2. Argentina Filter Needles Market Outlook

9.3.2.1. Market Size Forecast

9.3.2.1.1. By Value

9.3.2.2. Market Share Forecast

9.3.2.2.1. By Raw Material

9.3.2.2.2. By End Use

9.3.3. Colombia Filter Needles Market Outlook

9.3.3.1. Market Size Forecast

9.3.3.1.1. By Value

9.3.3.2. Market Share Forecast

9.3.3.2.1. By Raw Material

9.3.3.2.2. By End Use

## 10. MIDDLE EAST AND AFRICA FILTER NEEDLES MARKET OUTLOOK

### 10.1. Market Size Forecast

10.1.1. By Value

### 10.2. Market Share Forecast

10.2.1. By Raw Material (Stainless Steel, Glass, Others)

10.2.2. By End Use (Hospitals Clinics, Ambulatory Surgery Centers, Others)

10.2.3. By Country

### 10.3. MEA: Country Analysis

10.3.1. South Africa Filter Needles Market Outlook

10.3.1.1. Market Size Forecast

10.3.1.1.1. By Value

10.3.1.2. Market Share Forecast

10.3.1.2.1. By Raw Material

10.3.1.2.2. By End Use



### 10.3.2.Saudi Arabia Filter Needles Market Outlook

#### 10.3.2.1.Market Size Forecast

##### 10.3.2.1.1.By Value

#### 10.3.2.2.Market Share Forecast

##### 10.3.2.2.1.By Raw Material

##### 10.3.2.2.2.By End Use

### 10.3.3.UAE Filter Needles Market Outlook

#### 10.3.3.1.Market Size Forecast

##### 10.3.3.1.1.By Value

#### 10.3.3.2.Market Share Forecast

##### 10.3.3.2.1.By Raw Material

##### 10.3.3.2.2.By End Use

### 10.3.4.Kuwait Filter Needles Market Outlook

#### 10.3.4.1.Market Size Forecast

##### 10.3.4.1.1.By Value

#### 10.3.4.2.Market Share Forecast

##### 10.3.4.2.1.By Raw Material

##### 10.3.4.2.2.By End Use

## 11.MARKET DYNAMICS

### 11.1.Drivers

### 11.2.Challenges

## 12.MARKET TRENDS DEVELOPMENTS

### 12.1.Recent Development

### 12.2.Mergers Acquisitions

### 12.3.Product Launches

## 13.PORTER'S FIVE FORCES ANALYSIS

### 13.1.Competition in the Industry

### 13.2.Potential of New Entrants

### 13.3.Power of Suppliers

### 13.4.Power of Customers

### 13.5.Threat of Substitute Products

## 14.COMPETITIVE LANDSCAPE

14.1. Cardinal Health Inc

14.1.1. Business Overview

14.1.2. Product Offerings

14.1.3. Recent Developments

14.1.4. Financials (As Reported)

14.1.5. Key Personnel

14.1.6. SWOT Analysis

14.2. Myco Medical Supplies Inc

14.3. Stryker Corp

14.4. B Braun SE

14.5. Sol-Millennium Medical Inc.

14.6. Terumo Corp

14.7. ICU Medical Inc

## **15.STRATEGIC RECOMMENDATIONS**

## **16.ABOUT US DISCLAIMER**

## I would like to order

Product name: Filter Needles Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Raw Material (Stainless Steel, Glass, Others), By End Use (Hospitals & Clinics, Ambulatory Surgery Centers, Others), By Region, and By Competition, 2019-2029F

Product link: <https://marketpublishers.com/r/F564444CBB5DEN.html>

Price: US\$ 4,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/F564444CBB5DEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970