

Filter Integrity Test Market Size, Share & Trend Analysis Report By Test Method (Bubble Point), By Mode (Automated), By Type (Air Filter), By End-use (Biopharmaceutical) And Segment Forecasts, 2019 - 2026

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Abstracts

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The global filter integrity test market size is expected to reach USD 82.38 million by 2026 growing at a CAGR of 4.31% during the forecast period, according to a new report by Grand View Research, Inc. The introduction of stringent regulations pertaining to the evaluation of the integrity of filter products has driven the adoption of filter integrity test systems within biopharmaceutical, food & beverages, and other end-use settings. The tests are highly adopted by the aforementioned end-users to ensure the structural integrity of a sterilizing filter in order to meet all regulatory requirements as well as manufacturer's specifications, which in turn, has spurred the revenue generation in this market.

The availability of fully automated testing systems has provided emerging key players with lucrative growth avenues. Automated systems are portable and easy-to-use and provide reliable data, thereby enable in saving time as well as reducing labor and other handling costs. Furthermore, advancements such as the touch screen user interface simplify the test process and accelerate the testing capabilities.

Numerous incidences of post-use filter failure are detected during the filtration process leading to the removal or reprocessing of filtered products. Implementation of pre-use/post-sterilization integrity testing minimizes such post-use failure detections in the product, consequently improving the quality of filtration. This has further boosted the

adoption of such tests in the market.

Further key findings from the report suggest:

High usage rate of bubble point test as a non-destructive method has attributed to the largest revenue share of the bubble point test

Pressure hold test is gaining popularity mainly because it eliminates the risk to downstream sterility, and is expected to witness an increase in adoption rate at a lucrative pace

High preference as well as the implementation of automated test systems coupled with continuous advancements in product designing, has resulted in the maximum revenue share of this segment

Liquid filter integrity test accounted for higher penetration in 2018 due to high adoption of hydrophilic filters in bubble point and forward flow (diffusion) tests

Factors such as high demand for single-use products, expansion of contract services, and increasing funds for bioprocessing technology have driven the adoption of test systems in biopharmaceutical & pharmaceutical companies at large scale

Mutually beneficial partnerships between the key players and food & beverage producers for improving the quality of food products offer lucrative opportunities for integrity tests in the food & beverage industry

North America dominated the global market due to the presence of leading players providing testing systems and stringent government regulations for implementation of tests within multiple industries

Asia Pacific is poised to witness the fastest growth as a consequence of the continuous efforts adopted by the local players as well as international players to reinforce their market presence

Sartorius AG, PARKER HANNIFIN CORP, Pall Corporation, and Merck KGaA are some key players operating in the filter integrity test market

Key vendors are adopting strategic growth initiatives such as novel product

developments, partnerships & agreements, and geographical expansion to enhance the market share

Contents

CHAPTER 1 EXECUTIVE SUMMARY

- 1.1 Filter Integrity Test Market: Market Outlook
- 1.2 Filter Integrity Test Market: Segment Outlook
- 1.3 Filter Integrity Test Market: Competitive Insights

CHAPTER 2 RESEARCH METHODOLOGY

- 2.1 Information Procurement
- 2.2 Information or Data Analysis
- 2.3 Market Formulation & Validation

CHAPTER 3 FILTER INTEGRITY TEST MARKET VARIABLES, TRENDS& SCOPE

- 3.1 Industry Pyramid Analysis
- 3.2 Penetration & Growth Prospect Mapping for Test Method, 2018
- 3.3 Filter Integrity Test: Regulatory Framework
- 3.4 Filter Integrity Test Market: Market Dynamics
 - 3.4.1 Market driver analysis
 - 3.4.1.1 Rising demand for biopharmaceuticals
 - 3.4.1.2 Presence of stringent safety regulatory guidelines
 - 3.4.1.3 Growing awareness with respect to product purity and stability requirements across several industries
 - 3.4.1.4 Multiple benefits associated with filter integrity testing
 - 3.4.2 Market restraint analysis
 - 3.4.2.1 Occurrence of failures in filter integrity testing
 - 3.4.2.2 High cost of integrity testing
- 3.5 Business Environment Analysis: Filter Integrity Test Market
 - 3.5.1 Industry analysis - Porter's
 - 3.5.1.1 Supplier power
 - 3.5.1.2 Buyer power
 - 3.5.1.3 Substitution threat
 - 3.5.1.4 Threat from new entrant
 - 3.5.1.5 Competitive rivalry
 - 3.5.2 Filter Integrity Test Market: SWOT analysis, By factor (Political & Legal, Economic And Technological)

CHAPTER 4 FILTER INTEGRITY TEST MARKET CATEGORIZATION: TEST METHOD ESTIMATES & TREND ANALYSIS

4.1 Filter Integrity Test Market: Test Method Movement Analysis

4.2 Bubble Point Test

4.2.1 Global bubble point test market, 2015 - 2026 (USD Million)

4.3 Forward Flow (Diffusion) Test

4.3.1 Global forward flow (diffusion) test market, 2015 - 2026 (USD Million)

4.4 Pressure Hold Test

4.4.1 Global pressure hold test market, 2015 - 2026 (USD Million)

4.5 Water Intrusion Test

4.5.1 Global water intrusion test market, 2015 - 2026 (USD Million)

4.6 Others

4.6.1 Global other test methods market, 2015 - 2026 (USD Million)

CHAPTER 5 FILTER INTEGRITY TEST MARKET CATEGORIZATION: MODE ESTIMATES & TREND ANALYSIS

5.1 Filter Integrity Test Market: Mode Movement Analysis

5.2 Automated

5.2.1 Global automated filter integrity test market, 2015 - 2026 (USD Million)

5.3 Manual

5.3.1 Global manual filter integrity test market, 2015 - 2026 (USD Million)

CHAPTER 6 FILTER INTEGRITY TEST MARKET CATEGORIZATION: TYPE ESTIMATES & TREND ANALYSIS

6.1 Filter Integrity Test Market: Type Movement Analysis

6.2 Liquid Filter Integrity Test

6.2.1 Global liquid filter integrity test market, 2015 - 2026 (USD Million)

6.3 Air Filter Integrity Test

6.3.1 Global air filter integrity test market, 2015 - 2026 (USD Million)

CHAPTER 7 FILTER INTEGRITY TEST MARKET CATEGORIZATION: END-USE ESTIMATES & TREND ANALYSIS

7.1 Filter Integrity Test Market: End-use Movement Analysis

7.2 Biopharmaceutical & Pharmaceutical Industry

7.2.1 Global filter integrity test market for biopharmaceutical & pharmaceutical

industry, 2015 - 2026 (USD Million)

7.3 Food & Beverage Industry

7.3.1 Global filter integrity test market for food & beverage industry, 2015 - 2026 (USD Million)

7.4 Other Industries

7.4.1 Global filter integrity test market for other industries, 2015 - 2026 (USD Million)

CHAPTER 8 FILTER INTEGRITY TEST MARKET CATEGORIZATION: REGIONAL ESTIMATES & TREND ANALYSIS, BY TEST METHOD, MODE, TYPE & END-USE

8.1 Filter Integrity Test Market Share By Region, 2018 & 2026

8.2 North America

8.2.1 North America filter integrity test market, 2015 - 2026 (USD Million)

8.2.2 U.S.

8.2.2.1 U.S. filter integrity test market, by test method, 2015 - 2026 (USD Million)

8.2.2.2 U.S. filter integrity test market, by mode, 2015 - 2026 (USD Million)

8.2.2.3 U.S. filter integrity test market, by type, 2015 - 2026 (USD Million)

8.2.2.4 U.S. filter integrity test market, by end-use, 2015 - 2026 (USD Million)

8.2.3 Canada

8.2.3.1 Canada filter integrity test market, by test method, 2015 - 2026 (USD Million)

8.2.3.2 Canada filter integrity test market, by mode, 2015 - 2026 (USD Million)

8.2.3.3 Canada filter integrity test market, by type, 2015 - 2026 (USD Million)

8.2.3.4 Canada filter integrity test market, by end-use, 2015 - 2026 (USD Million)

8.3 Europe

8.3.1 Europe filter integrity test market, 2015 - 2026 (USD Million)

8.3.2 Germany

8.3.2.1 Germany filter integrity test market, by test method, 2015 - 2026 (USD Million)

8.3.2.2 Germany filter integrity test market, by mode, 2015 - 2026 (USD Million)

8.3.2.3 Germany filter integrity test market, by type, 2015 - 2026 (USD Million)

8.3.2.4 Germany filter integrity test market, by end-use, 2015 - 2026 (USD Million)

8.3.3 France

8.3.3.1 France filter integrity test market, by test method, 2015 - 2026 (USD Million)

8.3.3.2 France filter integrity test market, by mode, 2015 - 2026 (USD Million)

8.3.3.3 France filter integrity test market, by type, 2015 - 2026 (USD Million)

8.3.3.4 France filter integrity test market, by end-use, 2015 - 2026 (USD Million)

8.4 Asia Pacific

8.4.1 Asia Pacific filter integrity test market, 2015 - 2026 (USD Million)

8.4.2 China

8.4.2.1 China filter integrity test market, by test method, 2015 - 2026 (USD Million)

8.4.2.2 China filter integrity test market, by mode, 2015 - 2026 (USD Million)

8.4.2.3 China filter integrity test market, by type, 2015 - 2026 (USD Million)

8.4.2.4 China filter integrity test market, by end-use, 2015 - 2026 (USD Million)

8.4.3 India

8.4.3.1 India filter integrity test market, by test method, 2015 - 2026 (USD Million)

8.4.3.2 India filter integrity test market, by mode, 2015 - 2026 (USD Million)

8.4.3.3 India filter integrity test market, by type, 2015 - 2026 (USD Million)

8.4.3.4 India filter integrity test market, by end-use, 2015 - 2026 (USD Million)

8.4.4 Japan

8.4.4.1 Japan filter integrity test market, by test method, 2015 - 2026 (USD Million)

8.4.4.2 Japan filter integrity test market, by mode, 2015 - 2026 (USD Million)

8.4.4.3 Japan filter integrity test market, by type, 2015 - 2026 (USD Million)

8.4.4.4 Japan filter integrity test market, by end-use, 2015 - 2026 (USD Million)

8.4.5 South Korea

8.4.5.1 South Korea filter integrity test market, by test method, 2015 - 2026 (USD Million)

8.4.5.2 South Korea filter integrity test market, by mode, 2015 - 2026 (USD Million)

8.4.5.3 South Korea filter integrity test market, by type, 2015 - 2026 (USD Million)

8.4.5.4 South Korea filter integrity test market, by end-use, 2015 - 2026 (USD Million)

8.5 Latin America

8.5.1 Latin America filter integrity test market, 2015 - 2026 (USD Million)

8.5.2 Brazil

8.5.2.1 Brazil filter integrity test market, by test method, 2015 - 2026 (USD Million)

8.5.2.2 Brazil filter integrity test market, by mode, 2015 - 2026 (USD Million)

8.5.2.3 Brazil filter integrity test market, by type, 2015 - 2026 (USD Million)

8.5.2.4 Brazil filter integrity test market, by end-use, 2015 - 2026 (USD Million)

8.6 Middle East & Africa (MEA)

8.6.1 Middle East & Africa filter integrity test market, 2015 - 2026 (USD Million)

8.6.2 South Africa

8.6.2.1 South Africa filter integrity test market, by test method, 2015 - 2026 (USD Million)

8.6.2.2 South Africa filter integrity test market, by mode, 2015 - 2026 (USD Million)

8.6.2.3 South Africa filter integrity test market, by type, 2015 - 2026 (USD Million)

8.6.2.4 South Africa filter integrity test market, by end-use, 2015 - 2026 (USD Million)

CHAPTER 9 COMPETITIVE LANDSCAPE

9.1 Company Categorization

9.2 Recent Developments & Impact Analysis, by Key Market Participants

- 9.3 Public Companies
 - 9.3.1 Company market position analysis
- 9.4 Private Companies
 - 9.4.1 List of key emerging companies/ innovators
- 9.5 Strategy Framework
- 9.6 Company Profiles
 - 9.6.1 Merck KGaA
 - 9.6.1.1 Company overview
 - 9.6.1.2 Financial performance
 - 9.6.1.3 Product benchmarking
 - 9.6.1.4 Strategic initiatives
 - 9.6.2 Thermo Fisher Scientific Inc.
 - 9.6.2.1 Company overview
 - 9.6.2.2 Financial performance
 - 9.6.2.3 Product benchmarking
 - 9.6.2.4 Strategic initiatives
 - 9.6.3 Analytical Technologies Limited
 - 9.6.3.1 Company overview
 - 9.6.3.2 Financial performance
 - 9.6.3.3 Product benchmarking
 - 9.6.3.4 Strategic initiatives
 - 9.6.4 PALL Corporation
 - 9.6.4.1 Company overview
 - 9.6.4.2 Financial performance
 - 9.6.4.3 Product benchmarking
 - 9.6.4.4 Strategic initiatives
 - 9.6.5 Sartorius AG
 - 9.6.5.1 Company overview
 - 9.6.5.2 Financial performance
 - 9.6.5.3 Product benchmarking
 - 9.6.5.4 Strategic initiatives
 - 9.6.6 Parker Hannifin Corp
 - 9.6.6.1 Company overview
 - 9.6.6.2 Financial performance
 - 9.6.6.3 Product benchmarking
 - 9.6.6.4 Strategic initiatives
 - 9.6.7 Donaldson Company, Inc.
 - 9.6.7.1 Company overview
 - 9.6.7.3 Financial performance

- 9.6.7.4 Product benchmarking
- 9.6.7.5 Strategic initiatives
- 9.6.8 Pentair Ltd.
 - 9.6.8.1 Company overview
 - 9.6.8.2 Financial performance
 - 9.6.8.3 Product benchmarking
 - 9.6.8.4 Strategic initiatives
- 9.6.9 3M
 - 9.6.9.1 Company overview
 - 9.6.9.2 Financial performance
 - 9.6.9.3 Product benchmarking
 - 9.6.9.4 Strategic initiatives
- 9.6.10 MEISSNER FILTRATION PRODUCTS, INC.
 - 9.6.10.1 Company overview
 - 9.6.10.2 Financial performance
 - 9.6.10.3 Product benchmarking
 - 9.6.10.4 Strategic initiatives
- 9.6.11 Beijing Neuronbc Laboratories Co., Ltd.
 - 9.6.11.1 Company overview
 - 9.6.11.2 Financial performance
 - 9.6.11.3 Product benchmarking
 - 9.6.11.4 Strategic initiatives
- 9.6.12 Surway Filter
 - 9.6.12.1 Company overview
 - 9.6.12.2 Financial performance
 - 9.6.12.3 Product benchmarking
 - 9.6.12.4 Strategic initiatives

List Of Tables

LIST OF TABLES

TABLE 1 North America filter integrity test market estimates & forecasts, by test method, 2015 - 2026 (USD Million)

TABLE 2 North America filter integrity test market estimates & forecasts, by mode, 2015 - 2026 (USD Million)

TABLE 3 North America filter integrity test market estimates & forecasts, by type, 2015 - 2026 (USD Million)

TABLE 4 North America filter integrity test market estimates & forecasts, by end-use, 2015 - 2026 (USD Million)

TABLE 5 U.S. filter integrity test market estimates & forecasts, by test method, 2015 - 2026 (USD Million)

TABLE 6 U.S. filter integrity test market estimates & forecasts, by mode, 2015 - 2026 (USD Million)

TABLE 7 U.S filter integrity test market estimates & forecasts, by type, 2015 - 2026 (USD Million)

TABLE 8 U.S. filter integrity test market estimates & forecasts, by end-use, 2015 - 2026 (USD Million)

TABLE 9 Canada Filter integrity test market estimates & forecasts, by test method, 2015 - 2026 (USD Million)

TABLE 10 Canada filter integrity test market estimates & forecasts, by mode, 2015 - 2026 (USD Million)

TABLE 11 Canada filter integrity test market estimates & forecasts, by type, 2015 - 2026 (USD Million)

TABLE 12 Canada filter integrity test market estimates & forecasts, by end-use, 2015 - 2026 (USD Million)

TABLE 13 Europe filter integrity test market estimates & forecasts, by test method, 2015 - 2026 (USD Million)

TABLE 14 Europe filter integrity test market estimates & forecasts, by mode, 2015 - 2026 (USD Million)

TABLE 15 Europe filter integrity test market estimates & forecasts, by type, 2015 - 2026 (USD Million)

TABLE 16 Europe filter integrity test market estimates & forecasts, by end-use, 2015 - 2026 (USD Million)

TABLE 17 Germany filter integrity test market estimates & forecasts, by test method, 2015 - 2026 (USD Million)

TABLE 18 Germany filter integrity test market estimates & forecasts, by mode, 2015 -

2026 (USD Million)

TABLE 19 Germany filter integrity test market estimates & forecasts, by type, 2015 - 2026 (USD Million)

TABLE 20 Germany filter integrity test market estimates & forecasts, by end-use, 2015 - 2026 (USD Million)

TABLE 21 France filter integrity test market estimates & forecasts, by test method, 2015 - 2026 (USD Million)

TABLE 22 France filter integrity test market estimates & forecasts, by mode, 2015 - 2026 (USD Million)

TABLE 23 France filter integrity test market estimates & forecasts, by type, 2015 - 2026 (USD Million)

TABLE 24 France filter integrity test market estimates & forecasts, by end-use, 2015 - 2026 (USD Million)

TABLE 25 Asia Pacific filter integrity test market estimates & forecasts, by test method, 2015 - 2026 (USD Million)

TABLE 26 Asia Pacific filter integrity test market estimates & forecasts, by mode, 2015 - 2026 (USD Million)

TABLE 27 Asia Pacific filter integrity test market estimates & forecasts, by type, 2015 - 2026 (USD Million)

TABLE 28 Asia Pacific filter integrity test market estimates & forecasts, by end-use, 2015 - 2026 (USD Million)

TABLE 29 China filter integrity test market estimates & forecasts, by test method, 2015 - 2026 (USD Million)

TABLE 30 China filter integrity test market estimates & forecasts, by mode, 2015 - 2026 (USD Million)

TABLE 31 China filter integrity test market estimates & forecasts, by type, 2015 - 2026 (USD Million)

TABLE 32 China filter integrity test market market estimates & forecasts, by end-use, 2015 - 2026 (USD Million)

TABLE 33 India filter integrity test market estimates & forecasts, by test method, 2015 - 2026 (USD Million)

TABLE 34 India filter integrity test market estimates & forecasts, by mode, 2015 - 2026 (USD Million)

TABLE 35 India filter integrity test market estimates & forecasts, by type, 2015 - 2026 (USD Million)

TABLE 36 India filter integrity test market market estimates & forecasts, by end-use, 2015 - 2026 (USD Million)

TABLE 37 Japan filter integrity test market estimates & forecasts, by test method, 2015 - 2026 (USD Million)

TABLE 38 Japan filter integrity test market estimates & forecasts, by mode, 2015 - 2026 (USD Million)

TABLE 39 Japan filter integrity test market estimates & forecasts, by type, 2015 - 2026 (USD Million)

TABLE 40 Japan filter integrity test market market estimates & forecasts, by end-use, 2015 - 2026 (USD Million)

TABLE 41 South Korea filter integrity test market estimates & forecasts, by test method, 2015 - 2026 (USD Million)

TABLE 42 South Korea filter integrity test market estimates & forecasts, by mode, 2015 - 2026 (USD Million)

TABLE 43 South Korea filter integrity test market estimates & forecasts, by type, 2015 - 2026 (USD Million)

TABLE 44 South Korea filter integrity test market market estimates & forecasts, by end-use, 2015 - 2026 (USD Million)

TABLE 45 Latin America filter integrity test market estimates & forecasts, by test method, 2015 - 2026 (USD Million)

TABLE 46 Latin America filter integrity test market estimates & forecasts, by mode, 2015 - 2026 (USD Million)

TABLE 47 Latin America filter integrity test market estimates & forecasts, by type, 2015 - 2026 (USD Million)

TABLE 48 Latin America filter integrity test market estimates & forecasts, by end-use, 2015 - 2026 (USD Million)

TABLE 49 Brazil filter integrity test market estimates & forecasts, by test method, 2015 - 2026 (USD Million)

TABLE 50 Brazil filter integrity test market estimates & forecasts, by mode, 2015 - 2026 (USD Million)

TABLE 51 Brazil filter integrity test market estimates & forecasts, by type, 2015 - 2026 (USD Million)

TABLE 52 Brazil filter integrity test market market estimates & forecasts, by end-use, 2015 - 2026 (USD Million)

TABLE 53 MEA filter integrity test market estimates & forecasts, by test method, 2015 - 2026 (USD Million)

TABLE 54 MEA filter integrity test market estimates & forecasts, by mode, 2015 - 2026 (USD Million)

TABLE 55 MEA filter integrity test market estimates & forecasts, by type, 2015 - 2026 (USD Million)

TABLE 56 MEA filter integrity test market estimates & forecasts, by end-use, 2015 - 2026 (USD Million)

TABLE 57 South Africa filter integrity test market estimates & forecasts, by test method,

2015 - 2026 (USD Million)

TABLE 58 South Africa filter integrity test market estimates & forecasts, by mode, 2015 - 2026 (USD Million)

TABLE 59 South Africa filter integrity test market estimates & forecasts, by type, 2015 - 2026 (USD Million)

TABLE 60 South Africa filter integrity test market estimates & forecasts, by end-use, 2015 - 2026 (USD Million)

List Of Figures

LIST OF FIGURES

- FIG. 1 Market segmentation & scope
- FIG. 2 Market summary
- FIG. 3 Market research process
- FIG. 4 Information procurement
- FIG. 5 Primary research pattern
- FIG. 6 Market research approaches
- FIG. 7 Value chain based sizing & forecasting
- FIG. 8 QFD modelling for market share assessment
- FIG. 9 Industry pyramid analysis
- FIG. 10 Penetration & growth prospect mapping for test method, 2018
- FIG. 11 Market trends & outlook
- FIG. 12 Market driver relevance analysis (Current & future impact)
- FIG. 13 Market restraint relevance analysis (Current & future impact)
- FIG. 14 Porter's Five Forces analysis
- FIG. 15 SWOT analysis, by factor (political & legal, economic and technological)
- FIG. 16 Filter integrity test market: Test method outlook key takeaways
- FIG. 17 Filter Integrity test market: Test method movement analysis
- FIG. 18 Global bubble point test market, 2015 - 2026 (USD Million)
- FIG. 19 Global forward flow (diffusion) test market, 2015 - 2026 (USD Million)
- FIG. 20 Global pressure hold test market, 2015 - 2026 (USD Million)
- FIG. 21 Global water intrusion test market, 2015 - 2026 (USD Million)
- FIG. 22 Global others market, 2015 - 2026 (USD Million)
- FIG. 23 Filter integrity test market: Mode outlook key takeaways
- FIG. 24 Filter integrity test market: Mode movement analysis
- FIG. 25 Global Automated filter integrity test market, 2015 - 2026 (USD Million)
- FIG. 26 Global manual filter integrity test market, 2015 - 2026 (USD Million)
- FIG. 27 Filter integrity test market: Type outlook key takeaways
- FIG. 28 Filter integrity test market: Type movement analysis
- FIG. 29 Global liquid filter integrity test market, 2015 - 2026 (USD Million)
- FIG. 30 Global air filter integrity test market, 2015 - 2026 (USD Million)
- FIG. 31 Filter integrity test market: End-use outlook key takeaways
- FIG. 32 Filter integrity test market: End-use movement analysis
- FIG. 33 Global filter integrity test market for biopharmaceutical & pharmaceutical industry, 2015 - 2026 (USD Million)
- FIG. 34 Global filter integrity test market for food & beverage industry, 2015 - 2026

(USD Million)

FIG. 35 Global filter integrity test market for others, 2015 - 2026 (USD Million)

FIG. 36 Regional market place: Key takeaway

FIG. 37 Filter Integrity Test Market regional outlook, 2018 & 2026

FIG. 38 North America filter integrity test market, 2015 - 2026 (USD Million)

FIG. 39 U.S. filter integrity test market, 2015 - 2026 (USD Million)

FIG. 40 Canada filter integrity test market, 2015 - 2026 (USD Million)

FIG. 41 Europe filter integrity test market, 2015 - 2026 (USD Million)

FIG. 42 Germany filter integrity test market, 2015 - 2026 (USD Million)

FIG. 43 France filter integrity test market, 2015 - 2026 (USD Million)

FIG. 44 Asia Pacific filter integrity test market, 2015 - 2026 (USD Million)

FIG. 45 China filter integrity test market, 2015 - 2026 (USD Million)

FIG. 46 India filter integrity test market, 2015 - 2026 (USD Million)

FIG. 47 Japan filter integrity test market, 2015 - 2026 (USD Million)

FIG. 48 South Korea filter integrity test market, 2015 - 2026 (USD Million)

FIG. 49 Latin America filter integrity test market, 2015 - 2026 (USD Million)

FIG. 50 Brazil filter integrity test market, 2015 - 2026 (USD Million)

FIG. 51 Middle East & Africa filter integrity test market, 2015 - 2026 (USD Million)

FIG. 52 South Africa filter integrity test market, 2015 - 2026 (USD Million)

FIG. 53 Company categorization

FIG. 54 Impact analysis by key companies

FIG. 55 Market position analysis for public companies

FIG. 56 Strategy framework

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