

Global Membrane-Based Cold WFI Generation System Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GA66628EB473EN.html>

Date: July 2026

Pages: 122

Price: US\$ 4,480.00 (Single User License)

ID: GA66628EB473EN

Abstracts

The global Membrane-Based Cold WFI Generation System market size is expected to reach \$ 27.63 million by 2032, rising at a market growth of 4.1% CAGR during the forecast period (2026-2032).

A Water for Injection (WFI) System is a critical component in pharmaceutical and biotechnology manufacturing, producing high-quality purified water that meets the stringent standards required for injectable drugs, sterile formulations, and other critical applications in the industry. The WFI system typically includes processes like reverse osmosis, distillation, and filtration to remove impurities and microorganisms, ensuring the water's purity and quality. This purified water is a key ingredient in drug formulation and is used for cleaning, sterilization, and various other pharmaceutical processes. Membrane-Based Cold WFI Generation System utilizes processes like reverse osmosis or ultrafiltration. It's increasingly popular due to its efficiency and lower energy requirements. Reverse Osmosis (RO) uses semi-permeable membranes to separate water from contaminants. Under pressure, water molecules pass through the membrane, while dissolved solids and impurities are left behind.

In 2025, global sales of Membrane-Based Cold WFI Generation System reached approximately 128 units, with an average global market price of around US\$ 161 K/unit. Production capacity varies significantly among manufacturers, with gross profit margins ranging from approximately 20% to 40%.

Water for Injection (WFI) System is a critical utility equipment category used in pharmaceutical and biotechnology manufacturing. It is designed to produce, store, distribute and control Water for Injection, a high-purity pharmaceutical water grade defined by major pharmacopeias, including the United States Pharmacopeia, European

Pharmacopoeia, Japanese Pharmacopoeia and Chinese Pharmacopoeia. Typical Water for Injection System includes multi-effect distillers, vapor compression distillers, membrane-based WFI generation equipment, pure steam generators, WFI storage tanks, sanitary distribution loops, heat exchangers, pumps, valves, instrumentation and automation control systems.

Water for Injection is used in the pharmaceutical industry for the formulation of parenteral drugs, sterile preparations, biologics and other high-risk products. It is also used in equipment cleaning, final rinsing, clean utility supply and other manufacturing operations where strict control of microbial contamination and bacterial endotoxins is required. Because WFI may come into direct or indirect contact with final drug products, Water for Injection System must be designed, fabricated and validated to meet stringent GMP, pharmacopeial and hygienic engineering requirements.

The most widely used WFI method is distillation; however, this method is highly capital intensive and incurs high energy costs for heating the water. To address these barriers, many pharmacopeias have allowed or are evaluating alternative technologies, and in the United States and Japan, non-distillation methods such as reverse osmosis have long been accepted, provided that the required WFI quality can be consistently achieved. In Europe, the European Pharmacopoeia revised its WFI monograph in 2017, allowing WFI to be produced by reverse osmosis combined with appropriate additional technologies such as electro-deionization, ultrafiltration or nanofiltration. China has also updated its regulatory position. Under the 2025 edition of the Chinese Pharmacopoeia, WFI may be obtained from purified water by distillation or by a purification process equivalent to distillation, provided that the process complies with the relevant regulatory requirements and the final water quality meets the applicable specifications. As a result, the market for Water for Injection System is no longer limited to conventional thermal equipment. Membrane-based WFI generation equipment has become an increasingly important technology route, especially for projects focused on energy saving, lower carbon emissions, reduced utility consumption and modular construction.

This report studies the global Membrane-Based Cold WFI Generation System production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Membrane-Based Cold WFI Generation System and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Membrane-Based Cold WFI Generation System that contribute to its increasing demand across

many markets.

Highlights and key features of the study

Global Membrane-Based Cold WFI Generation System total production and demand, 2021-2032, (Units)

Global Membrane-Based Cold WFI Generation System total production value, 2021-2032, (USD Million)

Global Membrane-Based Cold WFI Generation System production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Membrane-Based Cold WFI Generation System consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Membrane-Based Cold WFI Generation System domestic production, consumption, key domestic manufacturers and share

Global Membrane-Based Cold WFI Generation System production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Membrane-Based Cold WFI Generation System production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Membrane-Based Cold WFI Generation System production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Membrane-Based Cold WFI Generation System market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Stilmas, BWT, MECO, Veolia Water Technologies, BRAM-COR, Syntegon, Aqua-Chem, Puretech, NGK Filtech, Nihon Rosuiki Kogyo, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Membrane-Based Cold WFI Generation System market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by

year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Membrane-Based Cold WFI Generation System Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Membrane-Based Cold WFI Generation System Market, Segmentation by Type:

Below 5000 lt/h

Above 5000 lt/h

Global Membrane-Based Cold WFI Generation System Market, Segmentation by Core Membrane Process Configuration:

RO-EDI-UF Type

RO-UF Type

Other

Global Membrane-Based Cold WFI Generation System Market, Segmentation by Membrane Barrier Level:

Single Membrane Barrier Type

Double Membrane Barrier Type

Triple Membrane Barrier Type

Other

Global Membrane-Based Cold WFI Generation System Market, Segmentation by Application:

Pharmaceutical

Biotechnology

Other

Companies Profiled:

Stilmas

BWT

MECO

Veolia Water Technologies

BRAM-COR

Syntegon

Aqua-Chem

Puretech

NGK Filtech

Nihon Rosuiki Kogyo

Nomura Micro Science

Key Questions Answered:

1. How big is the global Membrane-Based Cold WFI Generation System market?
2. What is the demand of the global Membrane-Based Cold WFI Generation System market?
3. What is the year over year growth of the global Membrane-Based Cold WFI Generation System market?
4. What is the production and production value of the global Membrane-Based Cold WFI Generation System market?
5. Who are the key producers in the global Membrane-Based Cold WFI Generation System market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Membrane-Based Cold WFI Generation System Introduction
- 1.2 World Membrane-Based Cold WFI Generation System Supply & Forecast
 - 1.2.1 World Membrane-Based Cold WFI Generation System Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Membrane-Based Cold WFI Generation System Production (2021-2032)
 - 1.2.3 World Membrane-Based Cold WFI Generation System Pricing Trends (2021-2032)
- 1.3 World Membrane-Based Cold WFI Generation System Production by Region (Based on Production Site)
 - 1.3.1 World Membrane-Based Cold WFI Generation System Production Value by Region (2021-2032)
 - 1.3.2 World Membrane-Based Cold WFI Generation System Production by Region (2021-2032)
 - 1.3.3 World Membrane-Based Cold WFI Generation System Average Price by Region (2021-2032)
 - 1.3.4 North America Membrane-Based Cold WFI Generation System Production (2021-2032)
 - 1.3.5 Europe Membrane-Based Cold WFI Generation System Production (2021-2032)
 - 1.3.6 Japan Membrane-Based Cold WFI Generation System Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Membrane-Based Cold WFI Generation System Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Membrane-Based Cold WFI Generation System Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Membrane-Based Cold WFI Generation System Demand (2021-2032)
- 2.2 World Membrane-Based Cold WFI Generation System Consumption by Region
 - 2.2.1 World Membrane-Based Cold WFI Generation System Consumption by Region (2021-2026)
 - 2.2.2 World Membrane-Based Cold WFI Generation System Consumption Forecast by Region (2027-2032)
- 2.3 United States Membrane-Based Cold WFI Generation System Consumption (2021-2032)
- 2.4 China Membrane-Based Cold WFI Generation System Consumption (2021-2032)

2.5 Europe Membrane-Based Cold WFI Generation System Consumption (2021-2032)

2.6 Japan Membrane-Based Cold WFI Generation System Consumption (2021-2032)

2.7 South Korea Membrane-Based Cold WFI Generation System Consumption
(2021-2032)

2.8 ASEAN Membrane-Based Cold WFI Generation System Consumption (2021-2032)

2.9 India Membrane-Based Cold WFI Generation System Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Membrane-Based Cold WFI Generation System Production Value by
Manufacturer (2021-2026)

3.2 World Membrane-Based Cold WFI Generation System Production by Manufacturer
(2021-2026)

3.3 World Membrane-Based Cold WFI Generation System Average Price by
Manufacturer (2021-2026)

3.4 Membrane-Based Cold WFI Generation System Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Membrane-Based Cold WFI Generation System Industry Rank of Major
Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Membrane-Based Cold WFI Generation
System in 2025

3.5.3 Global Concentration Ratios (CR8) for Membrane-Based Cold WFI Generation
System in 2025

3.6 Membrane-Based Cold WFI Generation System Market: Overall Company Footprint
Analysis

3.6.1 Membrane-Based Cold WFI Generation System Market: Region Footprint

3.6.2 Membrane-Based Cold WFI Generation System Market: Company Product Type
Footprint

3.6.3 Membrane-Based Cold WFI Generation System Market: Company Product
Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Membrane-Based Cold WFI Generation System Production Value Comparison

4.1.1 United States VS China: Membrane-Based Cold WFI Generation System Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Membrane-Based Cold WFI Generation System Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Membrane-Based Cold WFI Generation System Production Comparison

4.2.1 United States VS China: Membrane-Based Cold WFI Generation System Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Membrane-Based Cold WFI Generation System Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Membrane-Based Cold WFI Generation System Consumption Comparison

4.3.1 United States VS China: Membrane-Based Cold WFI Generation System Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Membrane-Based Cold WFI Generation System Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Membrane-Based Cold WFI Generation System Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Membrane-Based Cold WFI Generation System Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Membrane-Based Cold WFI Generation System Production Value (2021-2026)

4.4.3 United States Based Manufacturers Membrane-Based Cold WFI Generation System Production (2021-2026)

4.5 China Based Membrane-Based Cold WFI Generation System Manufacturers and Market Share

4.5.1 China Based Membrane-Based Cold WFI Generation System Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Membrane-Based Cold WFI Generation System Production Value (2021-2026)

4.5.3 China Based Manufacturers Membrane-Based Cold WFI Generation System Production (2021-2026)

4.6 Rest of World Based Membrane-Based Cold WFI Generation System Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Membrane-Based Cold WFI Generation System Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Membrane-Based Cold WFI Generation

System Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Membrane-Based Cold WFI Generation
System Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Membrane-Based Cold WFI Generation System Market Size Overview by
Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Below 5000 lt/h

5.2.2 Above 5000 lt/h

5.3 Market Segment by Type

5.3.1 World Membrane-Based Cold WFI Generation System Production by Type
(2021-2032)

5.3.2 World Membrane-Based Cold WFI Generation System Production Value by Type
(2021-2032)

5.3.3 World Membrane-Based Cold WFI Generation System Average Price by Type
(2021-2032)

6 MARKET ANALYSIS BY CORE MEMBRANE PROCESS CONFIGURATION

6.1 World Membrane-Based Cold WFI Generation System Market Size Overview by
Core Membrane Process Configuration: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Core Membrane Process Configuration

6.2.1 RO-EDI-UF Type

6.2.2 RO-UF Type

6.2.3 Other

6.3 Market Segment by Core Membrane Process Configuration

6.3.1 World Membrane-Based Cold WFI Generation System Production by Core
Membrane Process Configuration (2021-2032)

6.3.2 World Membrane-Based Cold WFI Generation System Production Value by Core
Membrane Process Configuration (2021-2032)

6.3.3 World Membrane-Based Cold WFI Generation System Average Price by Core
Membrane Process Configuration (2021-2032)

7 MARKET ANALYSIS BY MEMBRANE BARRIER LEVEL

7.1 World Membrane-Based Cold WFI Generation System Market Size Overview by
Membrane Barrier Level: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Membrane Barrier Level

7.2.1 Single Membrane Barrier Type

7.2.2 Double Membrane Barrier Type

7.2.3 Triple Membrane Barrier Type

7.2.4 Other

7.3 Market Segment by Membrane Barrier Level

7.3.1 World Membrane-Based Cold WFI Generation System Production by Membrane Barrier Level (2021-2032)

7.3.2 World Membrane-Based Cold WFI Generation System Production Value by Membrane Barrier Level (2021-2032)

7.3.3 World Membrane-Based Cold WFI Generation System Average Price by Membrane Barrier Level (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Membrane-Based Cold WFI Generation System Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Pharmaceutical

8.2.2 Biotechnology

8.2.3 Other

8.3 Market Segment by Application

8.3.1 World Membrane-Based Cold WFI Generation System Production by Application (2021-2032)

8.3.2 World Membrane-Based Cold WFI Generation System Production Value by Application (2021-2032)

8.3.3 World Membrane-Based Cold WFI Generation System Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Stilmas

9.1.1 Stilmas Details

9.1.2 Stilmas Major Business

9.1.3 Stilmas Membrane-Based Cold WFI Generation System Product and Services

9.1.4 Stilmas Membrane-Based Cold WFI Generation System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Stilmas Recent Developments/Updates

9.1.6 Stilmas Competitive Strengths & Weaknesses

9.2 BWT

9.2.1 BWT Details

9.2.2 BWT Major Business

9.2.3 BWT Membrane-Based Cold WFI Generation System Product and Services

9.2.4 BWT Membrane-Based Cold WFI Generation System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 BWT Recent Developments/Updates

9.2.6 BWT Competitive Strengths & Weaknesses

9.3 MECO

9.3.1 MECO Details

9.3.2 MECO Major Business

9.3.3 MECO Membrane-Based Cold WFI Generation System Product and Services

9.3.4 MECO Membrane-Based Cold WFI Generation System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 MECO Recent Developments/Updates

9.3.6 MECO Competitive Strengths & Weaknesses

9.4 Veolia Water Technologies

9.4.1 Veolia Water Technologies Details

9.4.2 Veolia Water Technologies Major Business

9.4.3 Veolia Water Technologies Membrane-Based Cold WFI Generation System Product and Services

9.4.4 Veolia Water Technologies Membrane-Based Cold WFI Generation System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Veolia Water Technologies Recent Developments/Updates

9.4.6 Veolia Water Technologies Competitive Strengths & Weaknesses

9.5 BRAM-COR

9.5.1 BRAM-COR Details

9.5.2 BRAM-COR Major Business

9.5.3 BRAM-COR Membrane-Based Cold WFI Generation System Product and Services

9.5.4 BRAM-COR Membrane-Based Cold WFI Generation System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 BRAM-COR Recent Developments/Updates

9.5.6 BRAM-COR Competitive Strengths & Weaknesses

9.6 Syntegon

9.6.1 Syntegon Details

9.6.2 Syntegon Major Business

9.6.3 Syntegon Membrane-Based Cold WFI Generation System Product and Services

9.6.4 Syntegon Membrane-Based Cold WFI Generation System Production, Price,

Value, Gross Margin and Market Share (2021-2026)

9.6.5 Syntegon Recent Developments/Updates

9.6.6 Syntegon Competitive Strengths & Weaknesses

9.7 Aqua-Chem

9.7.1 Aqua-Chem Details

9.7.2 Aqua-Chem Major Business

9.7.3 Aqua-Chem Membrane-Based Cold WFI Generation System Product and Services

9.7.4 Aqua-Chem Membrane-Based Cold WFI Generation System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 Aqua-Chem Recent Developments/Updates

9.7.6 Aqua-Chem Competitive Strengths & Weaknesses

9.8 Puretech

9.8.1 Puretech Details

9.8.2 Puretech Major Business

9.8.3 Puretech Membrane-Based Cold WFI Generation System Product and Services

9.8.4 Puretech Membrane-Based Cold WFI Generation System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 Puretech Recent Developments/Updates

9.8.6 Puretech Competitive Strengths & Weaknesses

9.9 NGK Filtech

9.9.1 NGK Filtech Details

9.9.2 NGK Filtech Major Business

9.9.3 NGK Filtech Membrane-Based Cold WFI Generation System Product and Services

9.9.4 NGK Filtech Membrane-Based Cold WFI Generation System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.9.5 NGK Filtech Recent Developments/Updates

9.9.6 NGK Filtech Competitive Strengths & Weaknesses

9.10 Nihon Rosuiki Kogyo

9.10.1 Nihon Rosuiki Kogyo Details

9.10.2 Nihon Rosuiki Kogyo Major Business

9.10.3 Nihon Rosuiki Kogyo Membrane-Based Cold WFI Generation System Product and Services

9.10.4 Nihon Rosuiki Kogyo Membrane-Based Cold WFI Generation System Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.10.5 Nihon Rosuiki Kogyo Recent Developments/Updates

9.10.6 Nihon Rosuiki Kogyo Competitive Strengths & Weaknesses

9.11 Nomura Micro Science

- 9.11.1 Nomura Micro Science Details
- 9.11.2 Nomura Micro Science Major Business
- 9.11.3 Nomura Micro Science Membrane-Based Cold WFI Generation System Product and Services
- 9.11.4 Nomura Micro Science Membrane-Based Cold WFI Generation System Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.11.5 Nomura Micro Science Recent Developments/Updates
- 9.11.6 Nomura Micro Science Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Membrane-Based Cold WFI Generation System Industry Chain
- 10.2 Membrane-Based Cold WFI Generation System Upstream Analysis
 - 10.2.1 Membrane-Based Cold WFI Generation System Core Raw Materials
 - 10.2.2 Main Manufacturers of Membrane-Based Cold WFI Generation System Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Membrane-Based Cold WFI Generation System Production Mode
- 10.6 Membrane-Based Cold WFI Generation System Procurement Model
- 10.7 Membrane-Based Cold WFI Generation System Industry Sales Model and Sales Channels
 - 10.7.1 Membrane-Based Cold WFI Generation System Sales Model
 - 10.7.2 Membrane-Based Cold WFI Generation System Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Membrane-Based Cold WFI Generation System Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Membrane-Based Cold WFI Generation System Production Value by Region (2021-2026) & (USD Million)

Table 3. World Membrane-Based Cold WFI Generation System Production Value by Region (2027-2032) & (USD Million)

Table 4. World Membrane-Based Cold WFI Generation System Production Value Market Share by Region (2021-2026)

Table 5. World Membrane-Based Cold WFI Generation System Production Value Market Share by Region (2027-2032)

Table 6. World Membrane-Based Cold WFI Generation System Production by Region (2021-2026) & (Units)

Table 7. World Membrane-Based Cold WFI Generation System Production by Region (2027-2032) & (Units)

Table 8. World Membrane-Based Cold WFI Generation System Production Market Share by Region (2021-2026)

Table 9. World Membrane-Based Cold WFI Generation System Production Market Share by Region (2027-2032)

Table 10. World Membrane-Based Cold WFI Generation System Average Price by Region (2021-2026) & (K US\$/Unit)

Table 11. World Membrane-Based Cold WFI Generation System Average Price by Region (2027-2032) & (K US\$/Unit)

Table 12. Membrane-Based Cold WFI Generation System Major Market Trends

Table 13. World Membrane-Based Cold WFI Generation System Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Units)

Table 14. World Membrane-Based Cold WFI Generation System Consumption by Region (2021-2026) & (Units)

Table 15. World Membrane-Based Cold WFI Generation System Consumption Forecast by Region (2027-2032) & (Units)

Table 16. World Membrane-Based Cold WFI Generation System Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Membrane-Based Cold WFI Generation System Producers in 2025

Table 18. World Membrane-Based Cold WFI Generation System Production by Manufacturer (2021-2026) & (Units)

Table 19. Production Market Share of Key Membrane-Based Cold WFI Generation System Producers in 2025

Table 20. World Membrane-Based Cold WFI Generation System Average Price by Manufacturer (2021-2026) & (K US\$/Unit)

Table 21. Global Membrane-Based Cold WFI Generation System Company Evaluation Quadrant

Table 22. World Membrane-Based Cold WFI Generation System Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Membrane-Based Cold WFI Generation System Production Site of Key Manufacturer

Table 24. Membrane-Based Cold WFI Generation System Market: Company Product Type Footprint

Table 25. Membrane-Based Cold WFI Generation System Market: Company Product Application Footprint

Table 26. Membrane-Based Cold WFI Generation System Competitive Factors

Table 27. Membrane-Based Cold WFI Generation System New Entrant and Capacity Expansion Plans

Table 28. Membrane-Based Cold WFI Generation System Mergers & Acquisitions Activity

Table 29. United States VS China Membrane-Based Cold WFI Generation System Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Membrane-Based Cold WFI Generation System Production Comparison, (2021 & 2025 & 2032) & (Units)

Table 31. United States VS China Membrane-Based Cold WFI Generation System Consumption Comparison, (2021 & 2025 & 2032) & (Units)

Table 32. United States Based Membrane-Based Cold WFI Generation System Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Membrane-Based Cold WFI Generation System Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Membrane-Based Cold WFI Generation System Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Membrane-Based Cold WFI Generation System Production (2021-2026) & (Units)

Table 36. United States Based Manufacturers Membrane-Based Cold WFI Generation System Production Market Share (2021-2026)

Table 37. China Based Membrane-Based Cold WFI Generation System Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Membrane-Based Cold WFI Generation System Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Membrane-Based Cold WFI Generation System Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Membrane-Based Cold WFI Generation System Production, (2021-2026) & (Units)

Table 41. China Based Manufacturers Membrane-Based Cold WFI Generation System Production Market Share (2021-2026)

Table 42. Rest of World Based Membrane-Based Cold WFI Generation System Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Membrane-Based Cold WFI Generation System Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Membrane-Based Cold WFI Generation System Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Membrane-Based Cold WFI Generation System Production, (2021-2026) & (Units)

Table 46. Rest of World Based Manufacturers Membrane-Based Cold WFI Generation System Production Market Share (2021-2026)

Table 47. World Membrane-Based Cold WFI Generation System Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Membrane-Based Cold WFI Generation System Production by Type (2021-2026) & (Units)

Table 49. World Membrane-Based Cold WFI Generation System Production by Type (2027-2032) & (Units)

Table 50. World Membrane-Based Cold WFI Generation System Production Value by Type (2021-2026) & (USD Million)

Table 51. World Membrane-Based Cold WFI Generation System Production Value by Type (2027-2032) & (USD Million)

Table 52. World Membrane-Based Cold WFI Generation System Average Price by Type (2021-2026) & (K US\$/Unit)

Table 53. World Membrane-Based Cold WFI Generation System Average Price by Type (2027-2032) & (K US\$/Unit)

Table 54. World Membrane-Based Cold WFI Generation System Production Value by Core Membrane Process Configuration, (USD Million), 2021 & 2025 & 2032

Table 55. World Membrane-Based Cold WFI Generation System Production by Core Membrane Process Configuration (2021-2026) & (Units)

Table 56. World Membrane-Based Cold WFI Generation System Production by Core Membrane Process Configuration (2027-2032) & (Units)

Table 57. World Membrane-Based Cold WFI Generation System Production Value by Core Membrane Process Configuration (2021-2026) & (USD Million)

Table 58. World Membrane-Based Cold WFI Generation System Production Value by

Core Membrane Process Configuration (2027-2032) & (USD Million)

Table 59. World Membrane-Based Cold WFI Generation System Average Price by Core Membrane Process Configuration (2021-2026) & (K US\$/Unit)

Table 60. World Membrane-Based Cold WFI Generation System Average Price by Core Membrane Process Configuration (2027-2032) & (K US\$/Unit)

Table 61. World Membrane-Based Cold WFI Generation System Production Value by Membrane Barrier Level, (USD Million), 2021 & 2025 & 2032

Table 62. World Membrane-Based Cold WFI Generation System Production by Membrane Barrier Level (2021-2026) & (Units)

Table 63. World Membrane-Based Cold WFI Generation System Production by Membrane Barrier Level (2027-2032) & (Units)

Table 64. World Membrane-Based Cold WFI Generation System Production Value by Membrane Barrier Level (2021-2026) & (USD Million)

Table 65. World Membrane-Based Cold WFI Generation System Production Value by Membrane Barrier Level (2027-2032) & (USD Million)

Table 66. World Membrane-Based Cold WFI Generation System Average Price by Membrane Barrier Level (2021-2026) & (K US\$/Unit)

Table 67. World Membrane-Based Cold WFI Generation System Average Price by Membrane Barrier Level (2027-2032) & (K US\$/Unit)

Table 68. World Membrane-Based Cold WFI Generation System Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Membrane-Based Cold WFI Generation System Production by Application (2021-2026) & (Units)

Table 70. World Membrane-Based Cold WFI Generation System Production by Application (2027-2032) & (Units)

Table 71. World Membrane-Based Cold WFI Generation System Production Value by Application (2021-2026) & (USD Million)

Table 72. World Membrane-Based Cold WFI Generation System Production Value by Application (2027-2032) & (USD Million)

Table 73. World Membrane-Based Cold WFI Generation System Average Price by Application (2021-2026) & (K US\$/Unit)

Table 74. World Membrane-Based Cold WFI Generation System Average Price by Application (2027-2032) & (K US\$/Unit)

Table 75. Stilmas Basic Information, Manufacturing Base and Competitors

Table 76. Stilmas Major Business

Table 77. Stilmas Membrane-Based Cold WFI Generation System Product and Services

Table 78. Stilmas Membrane-Based Cold WFI Generation System Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 79. Stilmas Recent Developments/Updates

Table 80. Stilmas Competitive Strengths & Weaknesses

Table 81. BWT Basic Information, Manufacturing Base and Competitors

Table 82. BWT Major Business

Table 83. BWT Membrane-Based Cold WFI Generation System Product and Services

Table 84. BWT Membrane-Based Cold WFI Generation System Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. BWT Recent Developments/Updates

Table 86. BWT Competitive Strengths & Weaknesses

Table 87. MECO Basic Information, Manufacturing Base and Competitors

Table 88. MECO Major Business

Table 89. MECO Membrane-Based Cold WFI Generation System Product and Services

Table 90. MECO Membrane-Based Cold WFI Generation System Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. MECO Recent Developments/Updates

Table 92. MECO Competitive Strengths & Weaknesses

Table 93. Veolia Water Technologies Basic Information, Manufacturing Base and Competitors

Table 94. Veolia Water Technologies Major Business

Table 95. Veolia Water Technologies Membrane-Based Cold WFI Generation System Product and Services

Table 96. Veolia Water Technologies Membrane-Based Cold WFI Generation System Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Veolia Water Technologies Recent Developments/Updates

Table 98. Veolia Water Technologies Competitive Strengths & Weaknesses

Table 99. BRAM-COR Basic Information, Manufacturing Base and Competitors

Table 100. BRAM-COR Major Business

Table 101. BRAM-COR Membrane-Based Cold WFI Generation System Product and Services

Table 102. BRAM-COR Membrane-Based Cold WFI Generation System Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. BRAM-COR Recent Developments/Updates

Table 104. BRAM-COR Competitive Strengths & Weaknesses

Table 105. Syntegon Basic Information, Manufacturing Base and Competitors

Table 106. Syntegon Major Business

Table 107. Syntegon Membrane-Based Cold WFI Generation System Product and Services

Table 108. Syntegon Membrane-Based Cold WFI Generation System Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Syntegon Recent Developments/Updates

Table 110. Syntegon Competitive Strengths & Weaknesses

Table 111. Aqua-Chem Basic Information, Manufacturing Base and Competitors

Table 112. Aqua-Chem Major Business

Table 113. Aqua-Chem Membrane-Based Cold WFI Generation System Product and Services

Table 114. Aqua-Chem Membrane-Based Cold WFI Generation System Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Aqua-Chem Recent Developments/Updates

Table 116. Aqua-Chem Competitive Strengths & Weaknesses

Table 117. Puretech Basic Information, Manufacturing Base and Competitors

Table 118. Puretech Major Business

Table 119. Puretech Membrane-Based Cold WFI Generation System Product and Services

Table 120. Puretech Membrane-Based Cold WFI Generation System Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Puretech Recent Developments/Updates

Table 122. Puretech Competitive Strengths & Weaknesses

Table 123. NGK Filtech Basic Information, Manufacturing Base and Competitors

Table 124. NGK Filtech Major Business

Table 125. NGK Filtech Membrane-Based Cold WFI Generation System Product and Services

Table 126. NGK Filtech Membrane-Based Cold WFI Generation System Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. NGK Filtech Recent Developments/Updates

Table 128. NGK Filtech Competitive Strengths & Weaknesses

Table 129. Nihon Rosuiki Kogyo Basic Information, Manufacturing Base and Competitors

Table 130. Nihon Rosuiki Kogyo Major Business

Table 131. Nihon Rosuiki Kogyo Membrane-Based Cold WFI Generation System

Product and Services

Table 132. Nihon Rosuiki Kogyo Membrane-Based Cold WFI Generation System Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Nihon Rosuiki Kogyo Recent Developments/Updates

Table 134. Nihon Rosuiki Kogyo Competitive Strengths & Weaknesses

Table 135. Nomura Micro Science Basic Information, Manufacturing Base and Competitors

Table 136. Nomura Micro Science Major Business

Table 137. Nomura Micro Science Membrane-Based Cold WFI Generation System Product and Services

Table 138. Nomura Micro Science Membrane-Based Cold WFI Generation System Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Nomura Micro Science Recent Developments/Updates

Table 140. Nomura Micro Science Competitive Strengths & Weaknesses

Table 141. Global Key Players of Membrane-Based Cold WFI Generation System Upstream (Raw Materials)

Table 142. Global Membrane-Based Cold WFI Generation System Typical Customers

Table 143. Membrane-Based Cold WFI Generation System Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Membrane-Based Cold WFI Generation System Picture

Figure 2. World Membrane-Based Cold WFI Generation System Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Membrane-Based Cold WFI Generation System Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Membrane-Based Cold WFI Generation System Production (2021-2032) & (Units)

Figure 5. World Membrane-Based Cold WFI Generation System Average Price (2021-2032) & (K US\$/Unit)

Figure 6. World Membrane-Based Cold WFI Generation System Production Value Market Share by Region (2021-2032)

Figure 7. World Membrane-Based Cold WFI Generation System Production Market Share by Region (2021-2032)

Figure 8. North America Membrane-Based Cold WFI Generation System Production (2021-2032) & (Units)

Figure 9. Europe Membrane-Based Cold WFI Generation System Production (2021-2032) & (Units)

Figure 10. Japan Membrane-Based Cold WFI Generation System Production (2021-2032) & (Units)

Figure 11. Membrane-Based Cold WFI Generation System Market Drivers

Figure 12. Factors Affecting Demand

Figure 13. World Membrane-Based Cold WFI Generation System Consumption (2021-2032) & (Units)

Figure 14. World Membrane-Based Cold WFI Generation System Consumption Market Share by Region (2021-2032)

Figure 15. United States Membrane-Based Cold WFI Generation System Consumption (2021-2032) & (Units)

Figure 16. China Membrane-Based Cold WFI Generation System Consumption (2021-2032) & (Units)

Figure 17. Europe Membrane-Based Cold WFI Generation System Consumption (2021-2032) & (Units)

Figure 18. Japan Membrane-Based Cold WFI Generation System Consumption (2021-2032) & (Units)

Figure 19. South Korea Membrane-Based Cold WFI Generation System Consumption (2021-2032) & (Units)

Figure 20. ASEAN Membrane-Based Cold WFI Generation System Consumption (2021-2032) & (Units)

Figure 21. India Membrane-Based Cold WFI Generation System Consumption (2021-2032) & (Units)

Figure 22. Producer Shipments of Membrane-Based Cold WFI Generation System by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 23. Global Four-firm Concentration Ratios (CR4) for Membrane-Based Cold WFI Generation System Markets in 2025

Figure 24. Global Four-firm Concentration Ratios (CR8) for Membrane-Based Cold WFI Generation System Markets in 2025

Figure 25. United States VS China: Membrane-Based Cold WFI Generation System Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 26. United States VS China: Membrane-Based Cold WFI Generation System Production Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Membrane-Based Cold WFI Generation System Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States Based Manufacturers Membrane-Based Cold WFI Generation System Production Market Share 2025

Figure 29. China Based Manufacturers Membrane-Based Cold WFI Generation System Production Market Share 2025

Figure 30. Rest of World Based Manufacturers Membrane-Based Cold WFI Generation System Production Market Share 2025

Figure 31. World Membrane-Based Cold WFI Generation System Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 32. World Membrane-Based Cold WFI Generation System Production Value Market Share by Type in 2025

Figure 33. Below 5000 lt/h

Figure 34. Above 5000 lt/h

Figure 35. World Membrane-Based Cold WFI Generation System Production Market Share by Type (2021-2032)

Figure 36. World Membrane-Based Cold WFI Generation System Production Value Market Share by Type (2021-2032)

Figure 37. World Membrane-Based Cold WFI Generation System Average Price by Type (2021-2032) & (K US\$/Unit)

Figure 38. World Membrane-Based Cold WFI Generation System Production Value by Core Membrane Process Configuration, (USD Million), 2021 & 2025 & 2032

Figure 39. World Membrane-Based Cold WFI Generation System Production Value Market Share by Core Membrane Process Configuration in 2025

Figure 40. RO-EDI-UF Type

Figure 41. RO-UF Type

Figure 42. Other

Figure 43. World Membrane-Based Cold WFI Generation System Production Market Share by Core Membrane Process Configuration (2021-2032)

Figure 44. World Membrane-Based Cold WFI Generation System Production Value Market Share by Core Membrane Process Configuration (2021-2032)

Figure 45. World Membrane-Based Cold WFI Generation System Average Price by Core Membrane Process Configuration (2021-2032) & (K US\$/Unit)

Figure 46. World Membrane-Based Cold WFI Generation System Production Value by Membrane Barrier Level, (USD Million), 2021 & 2025 & 2032

Figure 47. World Membrane-Based Cold WFI Generation System Production Value Market Share by Membrane Barrier Level in 2025

Figure 48. Single Membrane Barrier Type

Figure 49. Double Membrane Barrier Type

Figure 50. Triple Membrane Barrier Type

Figure 51. Other

Figure 52. World Membrane-Based Cold WFI Generation System Production Market Share by Membrane Barrier Level (2021-2032)

Figure 53. World Membrane-Based Cold WFI Generation System Production Value Market Share by Membrane Barrier Level (2021-2032)

Figure 54. World Membrane-Based Cold WFI Generation System Average Price by Membrane Barrier Level (2021-2032) & (K US\$/Unit)

Figure 55. World Membrane-Based Cold WFI Generation System Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 56. World Membrane-Based Cold WFI Generation System Production Value Market Share by Application in 2025

Figure 57. Pharmaceutical

Figure 58. Biotechnology

Figure 59. Other

Figure 60. World Membrane-Based Cold WFI Generation System Production Market Share by Application (2021-2032)

Figure 61. World Membrane-Based Cold WFI Generation System Production Value Market Share by Application (2021-2032)

Figure 62. World Membrane-Based Cold WFI Generation System Average Price by Application (2021-2032) & (K US\$/Unit)

Figure 63. Membrane-Based Cold WFI Generation System Industry Chain

Figure 64. Membrane-Based Cold WFI Generation System Procurement Model

Figure 65. Membrane-Based Cold WFI Generation System Sales Model

Figure 66. Membrane-Based Cold WFI Generation System Sales Channels, Direct

Sales, and Distribution

Figure 67. Methodology

Figure 68. Research Process and Data Source

I would like to order

Product name: Global Membrane-Based Cold WFI Generation System Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GA66628EB473EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GA66628EB473EN.html>