

Membrane Bioreactor Market by Membrane Type (Hollow fiber, Flat sheet, Multi-tubular), System Configuration (Submerged, External), Application (Municipal Wastewater Treatment, Industrial Wastewater Treatment), and Region - Global Forecast to 2026

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Abstracts

The global MBR market size is projected to reach USD 4.9 billion by 2026 at a CAGR of 8.3% between 2021 and 2026. The market is driven by various factor such as growing demand for clean water, scarcity of water, stringent regulations, and high-quality effluents by advanced wastewater treatment technology. Moreover, high potential in emerging countries of Asia Pacific such as India and China owing to rising population and industrialization is expected to drive the market during the forecast period. However, the market is in the nascent stage in developing countries due to the challenges such as cost-intensive technology, skilled workforce, and limited regulations of MBR in developing countries.

Growing demand for advanced wastewater treatment technology for more efficient and high-quality treated water s is driving the demand for MBR during the forecast period

Wastewater generated from industries and rising government regulations on wastewater treatment require advance technology to produce high quality effluent. MBR is a proven technology to avoid the spread of the emerging micro pollutants and contaminants in the environment by treatment of wastewater for reuse. MBR membranes are made of various polymeric materials such as PVDF, PE, PES, and others which are used for filtration of wastewater. An MBR system is beneficial in eliminating microplastic (MP) and micropollutants generated from the textile industry, such as threads and beads, are

polluting water bodies. MBR is preferred in both municipal and industrial application owing to its compact size and high quality wastewater treatment.

Stringent wastewater regulation globally to boost the demand for MBR

Wastewater discharge mandates in natural water bodies have increased the demand for wastewater treatment. North America, Europe, and others are providing opportunities for the growth of the MBR market by implementation of regulations for high quality treated water. Environmental Protection Agency (EPA) and EU water framework directives has implemented stringent rules and regulations to counter the release of toxic effluents into water bodies and conserve clean water. Effluent guidelines are national standards for industrial and municipal wastewater discharge. Moreover, increasing concerns regarding environmental safety and the rising awareness regarding the improved quality of drinking water are expected to increase the demand for MBR during the forecast period.

Asia Pacific to dominate the MBR market during the forecast period

The MBR market in Asia Pacific countries such as China and India is expected to witness high growth, owing to industrialization and growing awareness on water reuse and recycling. Moreover, serious environmental, and health hazards resulted in numerous adverse effects on humans and ecosystem due to water related issues. MBR is capable of handling various water impurities such as suspended solids, pathogens, bacteria, nitrogen, and other contaminants that are mostly present in municipal and industrial waste. Moreover, the introduction of various initiatives, laws, and regulations by government bodies such as environmental protection laws to conserve natural water resources sanitation management are expected to positively impact the MBR market.

In-depth interviews were conducted with chief executive officers (CEOs), marketing directors, other innovation and technology directors, and executives from various key organizations operating in the MBR market.

By Company Type - Tier 1: 40%, Tier 2: 30%, and Tier 3: 30%

By Designation - D Level: 10%, C Level: 20%, Others: 70%

By Region – Europe: 30%, APAC: 30%, North America: 20%, South America: 10%, The Middle East & Africa: 10%

The MBR market comprises major players such as SUEZ (France), Kubota Corporation (Japan), Evoqua Water Technologies LLC (US), Mitsubishi Chemical Corporation (Japan), TORAY INDUSTRIES, INC. (Japan), CITIC Envirotech Ltd (Singapore), Koch Separation Solutions (US), ALFA LAVAL (Sweden), Veolia (France), and Aquatech International LLC (US). The study includes in-depth competitive analysis of these key players in the MBR market, with their company profiles, recent developments, and key market strategies.

Research Coverage:

The market study covers the MBR market and its segments. It aims at estimating the market size and the growth potential of this market across different segments such as by membrane type, by system configuration, by application and region. The study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to product and business offerings, recent developments, and key market strategies.

Key Benefits of Buying the Report:

The report will help the leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall MBR market and the sub-segments. The stakeholders will be able to understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. It will also help stakeholders comprehend the pulse of the market and provide them with information on key market drivers, restraints, and opportunities.

Contents

1 INTRODUCTION

1.1 OBJECTIVES OF STUDY

1.2 MARKET DEFINITION

1.3 INCLUSIONS & EXCLUSIONS

TABLE 1 MEMBRANE BIOREACTOR MARKET: INCLUSIONS & EXCLUSIONS

1.4 MARKET SCOPE

1.4.1 MARKET SEGMENTATION

1.4.2 REGIONS COVERED

1.4.3 YEARS CONSIDERED FOR STUDY

1.5 CURRENCY

1.6 UNIT CONSIDERED

1.7 STAKEHOLDERS

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 1 MEMBRANE BIOREACTOR MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 List of major secondary sources

2.1.1.2 Key data from secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Key data from primary sources

2.1.3 PRIMARIES

2.1.3.1 Primary interviews – demand and supply sides

2.1.3.2 Key industry insights

2.1.3.3 Breakdown of primary interviews

2.2 MARKET SIZE ESTIMATION

FIGURE 2 MARKET SIZE ESTIMATION: APPROACH 1

FIGURE 3 MARKET SIZE ESTIMATION: APPROACH 2

2.2.1 TOP-DOWN APPROACH

2.2.1.1 Approach for arriving at market size using top-down analysis

FIGURE 4 TOP-DOWN APPROACH

2.2.2 BOTTOM-UP APPROACH

2.2.2.1 Approach for arriving at market size using bottom-up analysis

FIGURE 5 BOTTOM-UP APPROACH

2.3 DATA TRIANGULATION

FIGURE 6 MBR MARKET: DATA TRIANGULATION

2.4 FACTOR ANALYSIS

2.5 ASSUMPTIONS

2.6 LIMITATIONS & RISKS ASSOCIATED WITH MEMBRANE BIOREACTOR MARKET

3 EXECUTIVE SUMMARY

FIGURE 7 HOLLOW FIBER TYPE TO LEAD MBR MARKET DURING FORECAST PERIOD

FIGURE 8 SUBMERGED SYSTEM CONFIGURATION TO LEAD MARKET

FIGURE 9 INDUSTRIAL WASTEWATER TREATMENT APPLICATION TO DOMINATE MBR MARKET BETWEEN 2021 AND 2026

FIGURE 10 ASIA PACIFIC LED MBR MARKET IN 2020

4 PREMIUM INSIGHTS

4.1 DEVELOPED ECONOMIES TO WITNESS HIGH GROWTH IN MEMBRANE BIOREACTOR MARKET

FIGURE 11 ASIA PACIFIC TO OFFER ATTRACTIVE OPPORTUNITIES IN MBR MARKET DURING FORECAST PERIOD

4.2 MEMBRANE BIOREACTOR MARKET, BY MEMBRANE TYPE

FIGURE 12 HOLLOW FIBER TYPE TO LEAD MARKET DURING FORECAST PERIOD

4.3 MEMBRANE BIOREACTOR MARKET, BY SYSTEM CONFIGURATION

FIGURE 13 EXTERNAL MBR SEGMENT TO WITNESS HIGHER CAGR DURING FORECAST PERIOD

4.4 MEMBRANE BIOREACTOR MARKET, BY APPLICATION

FIGURE 14 MUNICIPAL WASTEWATER TREATMENT SEGMENT TO LEAD MARKET BY 2026

4.5 GLOBAL MEMBRANE BIOREACTOR MARKET, BY COUNTRY

FIGURE 15 MARKET IN CHINA TO REGISTER HIGHEST CAGR FROM 2021 TO 2026

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 16 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN MBR MARKET

5.2.1 DRIVERS

5.2.1.1 Growing demand for advanced wastewater treatment technology for more efficient and high-quality treated water

5.2.1.2 Limited availability of fresh water and depleting water reserves

5.2.1.3 Stringent wastewater regulations

5.2.2 RESTRAINTS

5.2.2.1 Higher cost-intensive technology than conventional systems

5.2.2.2 Membrane fouling to reduce performance of MBR

5.2.3 OPPORTUNITY

5.2.3.1 Increasing demand for high-quality effluents

5.2.4 CHALLENGE

5.2.4.1 Skilled labor and technical expertise required to handle sophisticated MBR systems

5.3 VALUE CHAIN ANALYSIS

FIGURE 17 MBR MARKET: VALUE CHAIN

5.3.1 RAW MATERIAL SUPPLIERS

5.3.2 MANUFACTURERS

5.3.3 DISTRIBUTORS

5.3.4 END CONSUMERS

5.4 PORTER'S FIVE FORCES ANALYSIS

FIGURE 18 MBR MARKET: PORTER'S FIVE FORCES ANALYSIS

5.4.1 BARGAINING POWER OF BUYERS

5.4.2 BARGAINING POWER OF SUPPLIERS

5.4.3 THREAT OF NEW ENTRANTS

5.4.4 THREAT OF SUBSTITUTES

5.4.5 INTENSITY OF COMPETITIVE RIVALRY

TABLE 2 MBR MARKET: PORTER'S FIVE FORCES ANALYSIS

5.5 RAW MATERIAL ANALYSIS

5.5.1 POLYVINYLIDENE DIFLUORIDE (PVDF)

5.5.2 POLYETHYLSULPHONE (PES)

5.5.3 POLYSULFONE (PS)

5.6 PATENT ANALYSIS

5.6.1 INTRODUCTION

5.6.2 METHODOLOGY

5.6.3 DOCUMENT TYPE

TABLE 3 TOTAL NUMBER OF PATENTS

FIGURE 19 TOTAL NUMBER OF PATENTS

5.6.4 PUBLICATION TRENDS - LAST 10 YEARS

FIGURE 20 NUMBER OF PATENTS YEAR-WISE, FROM 2011 TO 2021

5.6.5 INSIGHTS

5.6.6 LEGAL STATUS OF PATENTS

FIGURE 21 PATENT ANALYSIS, BY LEGAL STATUS

5.6.7 JURISDICTION ANALYSIS

FIGURE 22 TOP JURISDICTION – BY DOCUMENT

5.6.8 TOP COMPANIES/APPLICANTS

FIGURE 23 TOP 10 COMPANIES/APPLICANTS WITH HIGHEST NUMBER OF PATENTS

5.6.8.1 List of Patents by General Electric

TABLE 4 PATENTS BY GENERAL ELECTRIC

5.6.8.2 List of Patents by Harbin Institute of Technology

TABLE 5 PATENTS BY HARBIN INSTITUTE OF TECHNOLOGY

5.6.8.3 List of Patents by Veolia Water Solutions & Tech.

TABLE 6 PATENTS BY VEOLIA WATER SOLUTIONS & TECH.

5.6.9 TOP 10 PATENT OWNERS (US) IN LAST 10 YEARS

TABLE 7 TOP 10 PATENT OWNERS

5.7 ECOSYSTEM MAPPING

TABLE 8 MBR MARKET: ECOSYSTEM

5.8 TECHNOLOGY ANALYSIS

5.8.1 DEPLOYMENT OF INTERNET OF THINGS (IOT) TO ENHANCE MBR PERFORMANCE BY DYNAMIC MONITORING

5.8.2 MACHINE LEARNING SYSTEM TO ANTICIPATE FILTRATION MEMBRANE OPERATING CONDITIONS FOR TIMELY MAINTENANCE

5.9 CASE STUDY ANALYSIS

5.9.1 INSTALLATION OF MBR RETROFIT FOR SWEDISH WASTEWATER PLANT TO INCREASE PLANT CAPACITY BY SUEZ

5.9.2 INSTALLATION OF ADI ANMBR SYSTEM AT KEN'S FOODS TO HANDLE ADDITIONAL FLOW FOR ITS WASTEWATER TREATMENT PLANT BY EVOQUA WATER TECHNOLOGIES LLC

5.10 MACROECONOMIC ANALYSIS

TABLE 9 PROJECTED REAL GDP GROWTH (ANNUAL PERCENT CHANGE) OF KEY COUNTRIES, 2018–2025

5.11 TRADE ANALYSIS

5.11.1 IMPORT-EXPORT SCENARIO OF MBR MARKET

TABLE 10 IMPORT TRADE DATA FOR MACHINERY AND APPARATUS FOR FILTERING OR PURIFYING WATER, 2018, 2019, 2020 (USD MILLION)

TABLE 11 EXPORT TRADE DATA FOR MACHINERY AND APPARATUS FOR FILTERING OR PURIFYING WATER, 2018, 2019, 2020 (USD MILLION)

5.12 KEY CONFERENCES & EVENTS IN 2022-2023

TABLE 12 MEMBRANE BIOREACTOR MARKET: DETAILED LIST OF CONFERENCES & EVENTS**5.13 AVERAGE PRICING ANALYSIS****TABLE 13 GLOBAL AVERAGE PRICES OF MBR, BY MEMBRANE TYPE****5.14 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESS****5.15 TARIFF POLICIES & REGULATIONS****5.15.1 NORTH AMERICA****5.15.2 EUROPE****5.15.3 ASIA PACIFIC****5.15.4 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS****TABLE 14 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS****TABLE 15 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS****TABLE 16 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS****TABLE 17 REST OF THE WORLD (ROW): LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS****5.16 COVID-19 IMPACT ANALYSIS****5.16.1 COVID-19 ECONOMIC ASSESSMENT****5.16.2 EFFECTS ON GDP OF COUNTRIES****FIGURE 24 REVISED GDP FORECASTS FOR SELECT G20 COUNTRIES IN 2020****5.16.3 CONFIRMED CASES AND DEATHS, BY GEOGRAPHY****FIGURE 25 IMPACT OF COVID-19, BASED ON COUNTRY****5.16.4 IMPACT ON END-USE INDUSTRIES****6 MEMBRANE BIOREACTOR MARKET, BY MEMBRANE TYPE****6.1 INTRODUCTION****FIGURE 26 HOLLOW FIBER MEMBRANE TYPE TO ACCOUNT FOR LARGEST MARKET SHARE DURING FORECAST PERIOD****TABLE 18 MBR MARKET SIZE, BY TYPE, 2019–2026 (USD MILLION)****TABLE 19 MBR MARKET SIZE, BY TYPE, 2019–2026 (UNIT)****6.2 HOLLOW FIBER****6.3 FLAT SHEET****6.4 MULTI-TUBULAR****7 MEMBRANE BIOREACTOR MARKET, BY SYSTEM CONFIGURATION**

7.1 INTRODUCTION

FIGURE 27 SUBMERGED MBR TO ACCOUNT FOR LARGER MARKET SHARE

TABLE 20 MBR MARKET SIZE, BY SYSTEM CONFIGURATION, 2019–2026 (USD MILLION)

TABLE 21 MBR MARKET SIZE, BY SYSTEM CONFIGURATION, 2019–2026 (UNIT)

7.2 SUBMERGED MBR SYSTEM

7.3 EXTERNAL MBR SYSTEM

8 MEMBRANE BIOREACTOR MARKET, BY APPLICATION

8.1 INTRODUCTION

FIGURE 28 MUNICIPAL WASTEWATER TREATMENT TO BE LARGER APPLICATION SEGMENT

TABLE 22 MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 23 MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

8.2 MUNICIPAL WASTEWATER TREATMENT

8.3 INDUSTRIAL WASTEWATER TREATMENT

8.3.1 FOOD & BEVERAGE

8.3.2 OIL & GAS

8.3.3 PULP & PAPER

8.3.4 PHARMACEUTICAL

8.3.5 OTHERS

9 MEMBRANE BIOREACTOR MARKET, BY REGION

9.1 INTRODUCTION

FIGURE 29 ASIA PACIFIC COUNTRIES ARE EMERGING MARKETS FOR MBR

TABLE 24 MBR MARKET SIZE, BY REGION, 2019–2026 (USD MILLION)

TABLE 25 MBR MARKET SIZE, BY REGION, 2019–2026 (UNIT)

9.2 ASIA PACIFIC

FIGURE 30 ASIA PACIFIC: MBR MARKET SNAPSHOT

TABLE 26 ASIA PACIFIC: MBR MARKET SIZE, BY COUNTRY, 2019–2026 (USD MILLION)

TABLE 27 ASIA PACIFIC: MBR MARKET SIZE, BY COUNTRY, 2019–2026 (UNIT)

TABLE 28 ASIA PACIFIC: MBR MARKET SIZE, BY SYSTEM CONFIGURATION, 2019–2026 (USD MILLION)

TABLE 29 ASIA PACIFIC: MBR MARKET SIZE, BY SYSTEM CONFIGURATION, 2019–2026 (UNIT)

TABLE 30 ASIA PACIFIC: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 31 ASIA PACIFIC: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

9.2.1 CHINA

9.2.1.1 Presence of various end-use industries and stringent government regulations and policies enforced by Chinese government for wastewater treatment driving market

TABLE 32 CHINA: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 33 CHINA: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

9.2.2 INDIA

9.2.2.1 Increasing adoption of wastewater technologies, government initiatives, and rising urban population demanding clean water supporting market growth

TABLE 34 INDIA: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 35 INDIA: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

9.2.3 JAPAN

9.2.3.1 Development of advanced technologies, rapid industrialization, and efficient use of natural resources augmenting market growth

TABLE 36 JAPAN: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 37 JAPAN: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

9.2.4 SOUTH KOREA

9.2.4.1 Skilled workforce, laws & regulations, and growing food & beverage segment driving market

TABLE 38 SOUTH KOREA: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 39 SOUTH KOREA: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

9.2.5 REST OF ASIA PACIFIC

TABLE 40 REST OF ASIA PACIFIC: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 41 REST OF ASIA PACIFIC: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

9.3 NORTH AMERICA

FIGURE 31 NORTH AMERICA: MBR MARKET SNAPSHOT

TABLE 42 NORTH AMERICA: MBR MARKET SIZE, BY COUNTRY, 2019–2026 (USD MILLION)

TABLE 43 NORTH AMERICA: MBR MARKET SIZE, BY COUNTRY, 2019–2026 (UNIT)

TABLE 44 NORTH AMERICA: MBR MARKET SIZE, BY SYSTEM CONFIGURATION, 2019–2026 (USD MILLION)

TABLE 45 NORTH AMERICA: MBR MARKET SIZE, BY SYSTEM CONFIGURATION, 2019–2026 (UNIT)

TABLE 46 NORTH AMERICA: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 47 NORTH AMERICA: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

9.3.1 US

9.3.1.1 Presence of various end-use industries and stringent regulations to increase demand for MBR

TABLE 48 US: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 49 US: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

9.3.2 CANADA

9.3.2.1 Minimum effluent quality standards and rising wastewater treatment projects driving market

TABLE 50 CANADA: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 51 CANADA: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

9.3.3 MEXICO

9.3.3.1 Industrialization and demand for MBR retrofit to propel market

TABLE 52 MEXICO: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 53 MEXICO: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

9.4 EUROPE

FIGURE 32 EUROPE: MBR MARKET SNAPSHOT

TABLE 54 EUROPE: MBR MARKET SIZE, BY COUNTRY, 2019–2026 (USD MILLION)

TABLE 55 EUROPE: MBR MARKET SIZE, BY COUNTRY, 2019–2026 (UNIT)

TABLE 56 EUROPE: MBR MARKET SIZE, BY SYSTEM CONFIGURATION, 2019–2026 (USD MILLION)

TABLE 57 EUROPE: MBR MARKET SIZE, BY SYSTEM CONFIGURATION, 2019–2026 (UNIT)

TABLE 58 EUROPE: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 59 EUROPE: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

9.4.1 GERMANY

9.4.1.1 Pulp & paper industry, stringent effluent quality guidelines, and environmental regulations fueling market

TABLE 60 GERMANY: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 61 GERMANY: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

9.4.2 FRANCE

9.4.2.1 SPANC regulations and increased government spending to propel market

TABLE 62 FRANCE: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 63 FRANCE: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

9.4.3 ITALY

9.4.3.1 Growing need for clean water and sanitation owing to rapidly increasing population driving market

TABLE 64 ITALY: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 65 ITALY: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

9.4.4 UK

9.4.4.1 European directives and government investment plans to propel market

TABLE 66 UK: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 67 UK: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

9.4.5 REST OF EUROPE

TABLE 68 REST OF EUROPE: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 69 REST OF EUROPE: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

9.5 MIDDLE EAST & AFRICA

TABLE 70 MIDDLE EAST & AFRICA: MBR MARKET SIZE, BY COUNTRY, 2019–2026 (USD MILLION)

TABLE 71 MIDDLE EAST & AFRICA: MBR MARKET SIZE, BY COUNTRY, 2019–2026 (UNIT)

TABLE 72 MIDDLE EAST & AFRICA: MBR MARKET SIZE, BY SYSTEM CONFIGURATION, 2019–2026 (USD MILLION)

TABLE 73 MIDDLE EAST & AFRICA: MBR MARKET SIZE, BY SYSTEM CONFIGURATION, 2019–2026 (UNIT)

TABLE 74 MIDDLE EAST & AFRICA: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 75 MIDDLE EAST & AFRICA: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

9.5.1 SAUDI ARABIA

9.5.1.1 Rising investment in wastewater treatment for industrial and sewage applications contributing to market growth

TABLE 76 SAUDI ARABIA: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 77 SAUDI ARABIA: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

9.5.2 SOUTH AFRICA

9.5.2.1 Stringent government regulations on wastewater disposal propelling market

TABLE 78 SOUTH AFRICA: MBR MARKET SIZE, BY APPLICATION, 2019–2026
(USD MILLION)

TABLE 79 SOUTH AFRICA: MBR MARKET SIZE, BY APPLICATION, 2019–2026
(UNIT)

9.5.3 REST OF MIDDLE EAST & AFRICA

TABLE 80 REST OF MIDDLE EAST & AFRICA: MBR MARKET SIZE, BY
APPLICATION, 2019–2026 (USD MILLION)

TABLE 81 REST OF MIDDLE EAST & AFRICA: MBR MARKET SIZE, BY
APPLICATION, 2019–2026 (UNIT)

9.6 SOUTH AMERICA

TABLE 82 SOUTH AMERICA: MBR MARKET SIZE, BY COUNTRY, 2019–2026 (USD
MILLION)

TABLE 83 SOUTH AMERICA: MBR MARKET SIZE, BY COUNTRY, 2019–2026 (UNIT)

TABLE 84 SOUTH AMERICA: MBR MARKET SIZE, BY SYSTEM CONFIGURATION,
2019–2026 (USD MILLION)

TABLE 85 SOUTH AMERICA: MBR MARKET SIZE, BY SYSTEM CONFIGURATION,
2019–2026 (UNIT)

TABLE 86 SOUTH AMERICA: MBR MARKET SIZE, BY APPLICATION, 2019–2026
(USD MILLION)

TABLE 87 SOUTH AMERICA: MBR MARKET SIZE, BY APPLICATION, 2019–2026
(UNIT)

9.6.1 BRAZIL

9.6.1.1 Government initiatives and rising investment in wastewater treatment projects
to boost market

TABLE 88 BRAZIL: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (USD
MILLION)

TABLE 89 BRAZIL: MBR MARKET SIZE, BY APPLICATION, 2019–2026 (UNIT)

9.6.2 REST OF SOUTH AMERICA

TABLE 90 REST OF SOUTH AMERICA: MBR MARKET SIZE, BY APPLICATION,
2019–2026 (USD MILLION)

TABLE 91 REST OF SOUTH AMERICA: MBR MARKET SIZE, BY APPLICATION,
2019–2026 (UNIT)

10 COMPETITIVE LANDSCAPE

10.1 INTRODUCTION

10.2 STRATEGIES ADOPTED BY KEY PLAYERS

FIGURE 33 COMPANIES ADOPTED INVESTMENT & EXPANSION AND NEW PRODUCT DEVELOPMENT AS KEY GROWTH STRATEGIES BETWEEN 2017 AND 2022

10.3 MARKET RANKING ANALYSIS

10.3.1 RANKING OF KEY MARKET PLAYERS

FIGURE 34 RANKING OF TOP FIVE PLAYERS IN MBR MARKET, 2021

10.3.1.1 SUEZ

10.3.1.2 Veolia

10.3.1.3 Kubota Corporation

10.3.1.4 Evoqua Water Technologies LLC

10.3.1.5 Mitsubishi Chemical Corporation

10.4 REVENUE ANALYSIS OF TOP PLAYERS

TABLE 92 MBR MARKET: REVENUE ANALYSIS (USD)

10.5 MARKET EVALUATION MATRIX

TABLE 93 MARKET EVALUATION MATRIX

10.6 COMPANY EVALUATION MATRIX

10.6.1 STAR

10.6.2 EMERGING LEADER

FIGURE 35 MBR MARKET: COMPANY EVALUATION MATRIX, 2021

10.7 COMPETITIVE BENCHMARKING

TABLE 94 MBR MARKET: DETAILED LIST OF KEY STARTUP/SMES

TABLE 95 MBR MARKET: COMPETITIVE BENCHMARKING OF KEY PLAYERS [STARTUPS/SMES]

10.7.1 COMPANY FOOTPRINT

10.7.2 COMPANY APPLICATION FOOTPRINT

10.7.3 COMPANY MATERIAL FOOTPRINT

10.7.4 COMPANY REGION FOOTPRINT

10.7.5 STRENGTH OF PRODUCT PORTFOLIO

10.7.6 BUSINESS STRATEGY EXCELLENCE

10.8 START-UPS AND SMALL AND MEDIUM-SIZED ENTERPRISES (SMES) EVALUATION MATRIX

10.8.1 PROGRESSIVE COMPANIES

10.8.2 RESPONSIVE COMPANIES

10.8.3 STARTING BLOCKS

FIGURE 36 MBR MARKET: START-UPS AND SMES MATRIX, 2021

10.9 COMPETITIVE SCENARIO

10.9.1 NEW PRODUCT LAUNCHES

TABLE 96 NEW PRODUCT LAUNCHES, 2017–2021

10.9.2 DEALS

TABLE 97 DEALS, 2017—2021

10.9.3 OTHER DEVELOPMENTS

TABLE 98 OTHER DEVELOPMENTS, 2017–2021

11 COMPANY PROFILES

(Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats))*

11.1 KEY PLAYERS

11.1.1 SUEZ

TABLE 99 SUEZ: COMPANY OVERVIEW

FIGURE 37 SUEZ: COMPANY SNAPSHOT

TABLE 100 SUEZ: PRODUCT LAUNCHES

TABLE 101 SUEZ: DEALS

TABLE 102 SUEZ: OTHERS

11.1.2 VEOLIA

TABLE 103 VEOLIA: COMPANY OVERVIEW

FIGURE 38 VEOLIA: COMPANY SNAPSHOT

TABLE 104 VEOLIA: DEAL

TABLE 105 VEOLIA: OTHERS

11.1.3 KUBOTA CORPORATION

TABLE 106 KUBOTA CORPORATION: COMPANY OVERVIEW

FIGURE 39 KUBOTA CORPORATION: COMPANY SNAPSHOT

11.1.4 EVOQUA WATER TECHNOLOGIES LLC

TABLE 107 EVOQUA WATER TECHNOLOGIES LLC: COMPANY OVERVIEW

FIGURE 40 EVOQUA WATER TECHNOLOGIES LLC: COMPANY SNAPSHOT

TABLE 108 EVOQUA WATER TECHNOLOGIES LLC: DEALS

TABLE 109 EVOQUA WATER TECHNOLOGIES LLC: OTHERS

11.1.5 MITSUBISHI CHEMICAL CORPORATION

TABLE 110 MITSUBISHI CHEMICAL CORPORATION: COMPANY OVERVIEW

FIGURE 41 MITSUBISHI CHEMICAL CORPORATION: COMPANY SNAPSHOT

11.1.6 TORAY INDUSTRIES, INC

TABLE 111 TORAY INDUSTRIES, INC: COMPANY OVERVIEW

FIGURE 42 TORAY INDUSTRIES, INC: COMPANY SNAPSHOT

TABLE 112 TORAY INDUSTRIES, INC: DEAL

TABLE 113 TORAY INDUSTRIES, INC: OTHERS

11.1.7 KOCH SEPARATION SOLUTIONS

TABLE 114 KOCH SEPARATION SOLUTIONS: COMPANY OVERVIEW

TABLE 115 KOCH SEPARATION SOLUTIONS: DEAL

TABLE 116 KOCH SEPARATION SOLUTIONS: OTHERS

11.1.8 CITIC ENVIROTECH LTD

TABLE 117 CITIC ENVIROTECH LTD: COMPANY OVERVIEW

FIGURE 43 CITIC ENVIROTECH LTD, INC: COMPANY SNAPSHOT

TABLE 118 CITIC ENVIROTECH LTD: DEAL

TABLE 119 CITIC ENVIROTECH LTD: OTHERS

11.1.9 ALFA LAVAL

TABLE 120 ALFA LAVAL: COMPANY OVERVIEW

FIGURE 44 ALFA LAVAL: COMPANY SNAPSHOT

11.1.10 AQUATECH INTERNATIONAL LLC.

TABLE 121 AQUATECH INTERNATIONAL LLC.: COMPANY OVERVIEW

11.2 OTHER PLAYERS

11.2.1 BIOPROCESSH2O

TABLE 122 BIOPROCESSH2O: COMPANY OVERVIEW

11.2.2 B&P WATER TECHNOLOGIES S.R.L.

TABLE 123 B&P WATER TECHNOLOGIES S.R.L.: COMPANY OVERVIEW

11.2.3 CULLIGAN

TABLE 124 CULLIGAN: COMPANY OVERVIEW

11.2.4 HUBER SE

TABLE 125 HUBER SE: COMPANY OVERVIEW

11.2.5 HINADA

TABLE 126 HINADA: COMPANY OVERVIEW

11.2.6 LAYNE CHRISTENSEN COMPANY

TABLE 127 LAYNE CHRISTENSEN COMPANY: COMPANY OVERVIEW

11.2.7 LENNTECH B.V

TABLE 128 LENNTECH B.V: COMPANY OVERVIEW

11.2.8 MANN+HUMMEL WATER & FLUID SOLUTIONS

TABLE 129 MANN+HUMMEL WATER & FLUID SOLUTIONS: COMPANY OVERVIEW

11.2.9 MARTIN SYSTEMS GMBH

TABLE 130 MARTIN SYSTEMS GMBH: COMPANY OVERVIEW

11.2.10 NEWTERRA LTD.

TABLE 131 NEWTERRA LTD.: COMPANY OVERVIEW

11.2.11 PALL CORPORATION

TABLE 132 PALL CORPORATION: COMPANY OVERVIEW

11.2.12 SANITHERM

TABLE 133 SANITHERM: COMPANY OVERVIEW

11.2.13 SUMITOMO ELECTRIC INDUSTRIES, LTD.

TABLE 134 SUMITOMO ELECTRIC INDUSTRIES, LTD.: COMPANY OVERVIEW

11.2.14 TRIQUA INTERNATIONAL

TABLE 135 TRIQUA INTERNATIONAL: COMPANY OVERVIEW

11.2.15 WEHRLE-WERK AG

TABLE 136 WEHRLE-WERK AG: COMPANY OVERVIEW

*Details on Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

12 APPENDIX

12.1 DISCUSSION GUIDE

12.2 KNOWLEDGE STORE: MARKETSandMARKETS SUBSCRIPTION PORTAL

12.3 AVAILABLE CUSTOMIZATIONS

12.4 RELATED REPORTS

12.5 AUTHOR DETAILS

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