

Membrane Bioreactor (MBR) - Global Market Outlook (2020-2028)

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Abstracts

According to Statistics MRC, the Global Membrane Bioreactor (MBR) Market is accounted for \$3.33 billion in 2020 and is expected to reach \$6.64 billion by 2028 growing at a CAGR of 9.0% during the forecast period. Scarcity of clean water, stringent environmental regulations, and increasing adoption of environment-friendly water management technologies in the sewage and industrial sector are driving the market growth. However, the high capital and operational cost of MBR than that of conventional methods is hampering the growth of the market.

The membrane bioreactor is one of the high-efficient wastewater treatment technologies as it uses a microbial process. It separates the effluent from wastewater via a filtration membrane. Moreover, membrane bioreactor is a high-speed process and also offers better environmental sustainability. It is primarily used for industrial and municipal wastewater treatment. It is an integration of a perm-selective or semi-permeable membrane process, such as microfiltration (MF) or ultrafiltration (UF), with a suspended growth bioreactor.

Based on the membrane type, the hollow fiber segment is going to have lucrative growth during the forecast period due to the high usage in the large scale installations of the municipal sector as they offer high productivity per unit volume and high packaging density, and also low maintenance and operational cost as compared to a multi-tubular and flat sheet. By geography, Asia Pacific is going to have high growth during the forecast period owing to the high demand for MBRs in developing economies such as China and India, increasing level of water stress, rising population, and growing end-use industries that led to innovation and development.

Some of the key players profiled in the Membrane Bioreactor (MBR) Market include X-

Flow, Veolia, Toray Industries, SUEZ Water Technologies & Solutions, Kubota, Parkson Corporation, Newterra, Mitsubishi Chemical Aqua Solutions Co., Ltd., Layne Christensen Company, Koch Membrane Systems, Evoqua Water Technologies, Bioprocess H2O LLC, Alfa Laval, Smith & Loveless Inc and Pall Corporation.

Types Covered:

Integrated

Split Type

Membrane Types Covered:

Multi-Tubular

Hollow Fiber

Flat Sheet

System Configurations Covered:

External/ Side Stream

Internal/Submerged

Applications Covered:

Industrial Wastewater Treatment

Municipal Wastewater Treatment

Other Applications

Capacities Covered:

>500 m³/day

100 m³/day - 500 m³/day

Less than 100 m³/day

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2019, 2020, 2021, 2025 and 2028

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

2 PREFACE

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
 - 2.4.1 Data Mining
 - 2.4.2 Data Analysis
 - 2.4.3 Data Validation
 - 2.4.4 Research Approach
- 2.5 Research Sources
 - 2.5.1 Primary Research Sources
 - 2.5.2 Secondary Research Sources
 - 2.5.3 Assumptions

3 MARKET TREND ANALYSIS

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Application Analysis
- 3.7 Emerging Markets
- 3.8 Impact of Covid-19

4 PORTERS FIVE FORCE ANALYSIS

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

5 GLOBAL MEMBRANE BIOREACTOR (MBR) MARKET, BY TYPE

- 5.1 Introduction
- 5.2 Integrated
- 5.3 Split Type

6 GLOBAL MEMBRANE BIOREACTOR (MBR) MARKET, BY MEMBRANE TYPE

- 6.1 Introduction
- 6.2 Multi-Tubular
- 6.3 Hollow Fiber
- 6.4 Flat Sheet

7 GLOBAL MEMBRANE BIOREACTOR (MBR) MARKET, BY SYSTEM CONFIGURATION

- 7.1 Introduction
- 7.2 External/ Side Stream
- 7.3 Internal/Submerged

8 GLOBAL MEMBRANE BIOREACTOR (MBR) MARKET, BY APPLICATION

- 8.1 Introduction
- 8.2 Industrial Wastewater Treatment
 - 8.2.1 Paper & Pulp
 - 8.2.2 Oil & Gas
 - 8.2.3 Mining
 - 8.2.4 Food & Beverage
- 8.3 Municipal Wastewater Treatment
- 8.4 Other Applications
 - 8.4.1 Textile
 - 8.4.2 Power Generation

9 GLOBAL MEMBRANE BIOREACTOR (MBR) MARKET, BY CAPACITY

- 9.1 Introduction
- 9.2 >500 m³/day
- 9.3 100 m³/day - 500 m³/day
- 9.4 Less than 100 m³/day

10 GLOBAL MEMBRANE BIOREACTOR (MBR) MARKET, BY GEOGRAPHY

10.1 Introduction

10.2 North America

10.2.1 US

10.2.2 Canada

10.2.3 Mexico

10.3 Europe

10.3.1 Germany

10.3.2 UK

10.3.3 Italy

10.3.4 France

10.3.5 Spain

10.3.6 Rest of Europe

10.4 Asia Pacific

10.4.1 Japan

10.4.2 China

10.4.3 India

10.4.4 Australia

10.4.5 New Zealand

10.4.6 South Korea

10.4.7 Rest of Asia Pacific

10.5 South America

10.5.1 Argentina

10.5.2 Brazil

10.5.3 Chile

10.5.4 Rest of South America

10.6 Middle East & Africa

10.6.1 Saudi Arabia

10.6.2 UAE

10.6.3 Qatar

10.6.4 South Africa

10.6.5 Rest of Middle East & Africa

11 KEY DEVELOPMENTS

11.1 Agreements, Partnerships, Collaborations and Joint Ventures

11.2 Acquisitions & Mergers

11.3 New Product Launch

11.4 Expansions

11.5 Other Key Strategies

12 COMPANY PROFILING

12.1 X-Flow

12.2 Veolia

12.3 Toray Industries

12.4 SUEZ Water Technologies & Solutions

12.5 Kubota

12.6 Parkson Corporation

12.7 Newterra

12.8 Mitsubishi Chemical Aqua Solutions Co., Ltd.

12.9 Layne Christensen Company

12.10 Koch Membrane Systems

12.11 Evoqua Water Technologies

12.12 Bioprocess H2O LLC

12.13 Alfa Laval

12.14 Smith & Loveless Inc

12.15 Pall Corporation

List Of Tables

LIST OF TABLES

Table 1 Global Membrane Bioreactor (MBR) Market Outlook, By Region (2019-2028) (\$MN)

Table 2 Global Membrane Bioreactor (MBR) Market Outlook, By Type (2019-2028) (\$MN)

Table 3 Global Membrane Bioreactor (MBR) Market Outlook, By Integrated (2019-2028) (\$MN)

Table 4 Global Membrane Bioreactor (MBR) Market Outlook, By Split Type (2019-2028) (\$MN)

Table 5 Global Membrane Bioreactor (MBR) Market Outlook, By Membrane Type (2019-2028) (\$MN)

Table 6 Global Membrane Bioreactor (MBR) Market Outlook, By Multi-Tubular (2019-2028) (\$MN)

Table 7 Global Membrane Bioreactor (MBR) Market Outlook, By Hollow Fiber (2019-2028) (\$MN)

Table 8 Global Membrane Bioreactor (MBR) Market Outlook, By Flat Sheet (2019-2028) (\$MN)

Table 9 Global Membrane Bioreactor (MBR) Market Outlook, By System Configuration (2019-2028) (\$MN)

Table 10 Global Membrane Bioreactor (MBR) Market Outlook, By External/ Side Stream (2019-2028) (\$MN)

Table 11 Global Membrane Bioreactor (MBR) Market Outlook, By Internal/Submerged (2019-2028) (\$MN)

Table 12 Global Membrane Bioreactor (MBR) Market Outlook, By Application (2019-2028) (\$MN)

Table 13 Global Membrane Bioreactor (MBR) Market Outlook, By Industrial Wastewater Treatment (2019-2028) (\$MN)

Table 14 Global Membrane Bioreactor (MBR) Market Outlook, By Paper & Pulp (2019-2028) (\$MN)

Table 15 Global Membrane Bioreactor (MBR) Market Outlook, By Oil & Gas (2019-2028) (\$MN)

Table 16 Global Membrane Bioreactor (MBR) Market Outlook, By Mining (2019-2028) (\$MN)

Table 17 Global Membrane Bioreactor (MBR) Market Outlook, By Food & Beverage (2019-2028) (\$MN)

Table 18 Global Membrane Bioreactor (MBR) Market Outlook, By Municipal Wastewater

Treatment (2019-2028) (\$MN)

Table 19 Global Membrane Bioreactor (MBR) Market Outlook, By Other Applications (2019-2028) (\$MN)

Table 20 Global Membrane Bioreactor (MBR) Market Outlook, By Textile (2019-2028) (\$MN)

Table 21 Global Membrane Bioreactor (MBR) Market Outlook, By Power Generation (2019-2028) (\$MN)

Table 22 Global Membrane Bioreactor (MBR) Market Outlook, By Capacity (2019-2028) (\$MN)

Table 23 Global Membrane Bioreactor (MBR) Market Outlook, By >500 m³/day (2019-2028) (\$MN)

Table 24 Global Membrane Bioreactor (MBR) Market Outlook, By 100 m³/day - 500 m³/day (2019-2028) (\$MN)

Table 25 Global Membrane Bioreactor (MBR) Market Outlook, By Less than 100 m³/day (2019-2028) (\$MN)

Table 26 North America Membrane Bioreactor (MBR) Market Outlook, By Country (2019-2028) (\$MN)

Table 27 North America Membrane Bioreactor (MBR) Market Outlook, By Type (2019-2028) (\$MN)

Table 28 North America Membrane Bioreactor (MBR) Market Outlook, By Integrated (2019-2028) (\$MN)

Table 29 North America Membrane Bioreactor (MBR) Market Outlook, By Split Type (2019-2028) (\$MN)

Table 30 North America Membrane Bioreactor (MBR) Market Outlook, By Membrane Type (2019-2028) (\$MN)

Table 31 North America Membrane Bioreactor (MBR) Market Outlook, By Multi-Tubular (2019-2028) (\$MN)

Table 32 North America Membrane Bioreactor (MBR) Market Outlook, By Hollow Fiber (2019-2028) (\$MN)

Table 33 North America Membrane Bioreactor (MBR) Market Outlook, By Flat Sheet (2019-2028) (\$MN)

Table 34 North America Membrane Bioreactor (MBR) Market Outlook, By System Configuration (2019-2028) (\$MN)

Table 35 North America Membrane Bioreactor (MBR) Market Outlook, By External/ Side Stream (2019-2028) (\$MN)

Table 36 North America Membrane Bioreactor (MBR) Market Outlook, By Internal/Submerged (2019-2028) (\$MN)

Table 37 North America Membrane Bioreactor (MBR) Market Outlook, By Application (2019-2028) (\$MN)

Table 38 North America Membrane Bioreactor (MBR) Market Outlook, By Industrial Wastewater Treatment (2019-2028) (\$MN)

Table 39 North America Membrane Bioreactor (MBR) Market Outlook, By Paper & Pulp (2019-2028) (\$MN)

Table 40 North America Membrane Bioreactor (MBR) Market Outlook, By Oil & Gas (2019-2028) (\$MN)

Table 41 North America Membrane Bioreactor (MBR) Market Outlook, By Mining (2019-2028) (\$MN)

Table 42 North America Membrane Bioreactor (MBR) Market Outlook, By Food & Beverage (2019-2028) (\$MN)

Table 43 North America Membrane Bioreactor (MBR) Market Outlook, By Municipal Wastewater Treatment (2019-2028) (\$MN)

Table 44 North America Membrane Bioreactor (MBR) Market Outlook, By Other Applications (2019-2028) (\$MN)

Table 45 North America Membrane Bioreactor (MBR) Market Outlook, By Textile (2019-2028) (\$MN)

Table 46 North America Membrane Bioreactor (MBR) Market Outlook, By Power Generation (2019-2028) (\$MN)

Table 47 North America Membrane Bioreactor (MBR) Market Outlook, By Capacity (2019-2028) (\$MN)

Table 48 North America Membrane Bioreactor (MBR) Market Outlook, By >500 m³/day (2019-2028) (\$MN)

Table 49 North America Membrane Bioreactor (MBR) Market Outlook, By 100 m³/day - 500 m³/day (2019-2028) (\$MN)

Table 50 North America Membrane Bioreactor (MBR) Market Outlook, By Less than 100 m³/day (2019-2028) (\$MN)

Table 51 Europe Membrane Bioreactor (MBR) Market Outlook, By Country (2019-2028) (\$MN)

Table 52 Europe Membrane Bioreactor (MBR) Market Outlook, By Type (2019-2028) (\$MN)

Table 53 Europe Membrane Bioreactor (MBR) Market Outlook, By Integrated (2019-2028) (\$MN)

Table 54 Europe Membrane Bioreactor (MBR) Market Outlook, By Split Type (2019-2028) (\$MN)

Table 55 Europe Membrane Bioreactor (MBR) Market Outlook, By Membrane Type (2019-2028) (\$MN)

Table 56 Europe Membrane Bioreactor (MBR) Market Outlook, By Multi-Tubular (2019-2028) (\$MN)

Table 57 Europe Membrane Bioreactor (MBR) Market Outlook, By Hollow Fiber

(2019-2028) (\$MN)

Table 58 Europe Membrane Bioreactor (MBR) Market Outlook, By Flat Sheet

(2019-2028) (\$MN)

Table 59 Europe Membrane Bioreactor (MBR) Market Outlook, By System

Configuration (2019-2028) (\$MN)

Table 60 Europe Membrane Bioreactor (MBR) Market Outlook, By External/ Side Stream (2019-2028) (\$MN)

Table 61 Europe Membrane Bioreactor (MBR) Market Outlook, By Internal/Submerged (2019-2028) (\$MN)

Table 62 Europe Membrane Bioreactor (MBR) Market Outlook, By Application (2019-2028) (\$MN)

Table 63 Europe Membrane Bioreactor (MBR) Market Outlook, By Industrial Wastewater Treatment (2019-2028) (\$MN)

Table 64 Europe Membrane Bioreactor (MBR) Market Outlook, By Paper & Pulp (2019-2028) (\$MN)

Table 65 Europe Membrane Bioreactor (MBR) Market Outlook, By Oil & Gas (2019-2028) (\$MN)

Table 66 Europe Membrane Bioreactor (MBR) Market Outlook, By Mining (2019-2028) (\$MN)

Table 67 Europe Membrane Bioreactor (MBR) Market Outlook, By Food & Beverage (2019-2028) (\$MN)

Table 68 Europe Membrane Bioreactor (MBR) Market Outlook, By Municipal Wastewater Treatment (2019-2028) (\$MN)

Table 69 Europe Membrane Bioreactor (MBR) Market Outlook, By Other Applications (2019-2028) (\$MN)

Table 70 Europe Membrane Bioreactor (MBR) Market Outlook, By Textile (2019-2028) (\$MN)

Table 71 Europe Membrane Bioreactor (MBR) Market Outlook, By Power Generation (2019-2028) (\$MN)

Table 72 Europe Membrane Bioreactor (MBR) Market Outlook, By Capacity (2019-2028) (\$MN)

Table 73 Europe Membrane Bioreactor (MBR) Market Outlook, By >500 m³/day (2019-2028) (\$MN)

Table 74 Europe Membrane Bioreactor (MBR) Market Outlook, By 100 m³/day - 500 m³/day (2019-2028) (\$MN)

Table 75 Europe Membrane Bioreactor (MBR) Market Outlook, By Less than 100 m³/day (2019-2028) (\$MN)

Table 76 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Country (2019-2028) (\$MN)

- Table 77 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Type (2019-2028) (\$MN)
- Table 78 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Integrated (2019-2028) (\$MN)
- Table 79 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Split Type (2019-2028) (\$MN)
- Table 80 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Membrane Type (2019-2028) (\$MN)
- Table 81 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Multi-Tubular (2019-2028) (\$MN)
- Table 82 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Hollow Fiber (2019-2028) (\$MN)
- Table 83 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Flat Sheet (2019-2028) (\$MN)
- Table 84 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By System Configuration (2019-2028) (\$MN)
- Table 85 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By External/ Side Stream (2019-2028) (\$MN)
- Table 86 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Internal/Submerged (2019-2028) (\$MN)
- Table 87 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Application (2019-2028) (\$MN)
- Table 88 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Industrial Wastewater Treatment (2019-2028) (\$MN)
- Table 89 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Paper & Pulp (2019-2028) (\$MN)
- Table 90 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Oil & Gas (2019-2028) (\$MN)
- Table 91 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Mining (2019-2028) (\$MN)
- Table 92 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Food & Beverage (2019-2028) (\$MN)
- Table 93 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Municipal Wastewater Treatment (2019-2028) (\$MN)
- Table 94 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Other Applications (2019-2028) (\$MN)
- Table 95 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Textile (2019-2028) (\$MN)
- Table 96 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Power

Generation (2019-2028) (\$MN)

Table 97 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Capacity (2019-2028) (\$MN)

Table 98 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By >500 m³/day (2019-2028) (\$MN)

Table 99 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By 100 m³/day - 500 m³/day (2019-2028) (\$MN)

Table 100 Asia Pacific Membrane Bioreactor (MBR) Market Outlook, By Less than 100 m³/day (2019-2028) (\$MN)

Table 101 South America Membrane Bioreactor (MBR) Market Outlook, By Country (2019-2028) (\$MN)

Table 102 South America Membrane Bioreactor (MBR) Market Outlook, By Type (2019-2028) (\$MN)

Table 103 South America Membrane Bioreactor (MBR) Market Outlook, By Integrated (2019-2028) (\$MN)

Table 104 South America Membrane Bioreactor (MBR) Market Outlook, By Split Type (2019-2028) (\$MN)

Table 105 South America Membrane Bioreactor (MBR) Market Outlook, By Membrane Type (2019-2028) (\$MN)

Table 106 South America Membrane Bioreactor (MBR) Market Outlook, By Multi-Tubular (2019-2028) (\$MN)

Table 107 South America Membrane Bioreactor (MBR) Market Outlook, By Hollow Fiber (2019-2028) (\$MN)

Table 108 South America Membrane Bioreactor (MBR) Market Outlook, By Flat Sheet (2019-2028) (\$MN)

Table 109 South America Membrane Bioreactor (MBR) Market Outlook, By System Configuration (2019-2028) (\$MN)

Table 110 South America Membrane Bioreactor (MBR) Market Outlook, By External/Side Stream (2019-2028) (\$MN)

Table 111 South America Membrane Bioreactor (MBR) Market Outlook, By Internal/Submerged (2019-2028) (\$MN)

Table 112 South America Membrane Bioreactor (MBR) Market Outlook, By Application (2019-2028) (\$MN)

Table 113 South America Membrane Bioreactor (MBR) Market Outlook, By Industrial Wastewater Treatment (2019-2028) (\$MN)

Table 114 South America Membrane Bioreactor (MBR) Market Outlook, By Paper & Pulp (2019-2028) (\$MN)

Table 115 South America Membrane Bioreactor (MBR) Market Outlook, By Oil & Gas (2019-2028) (\$MN)

Table 116 South America Membrane Bioreactor (MBR) Market Outlook, By Mining (2019-2028) (\$MN)

Table 117 South America Membrane Bioreactor (MBR) Market Outlook, By Food & Beverage (2019-2028) (\$MN)

Table 118 South America Membrane Bioreactor (MBR) Market Outlook, By Municipal Wastewater Treatment (2019-2028) (\$MN)

Table 119 South America Membrane Bioreactor (MBR) Market Outlook, By Other Applications (2019-2028) (\$MN)

Table 120 South America Membrane Bioreactor (MBR) Market Outlook, By Textile (2019-2028) (\$MN)

Table 121 South America Membrane Bioreactor (MBR) Market Outlook, By Power Generation (2019-2028) (\$MN)

Table 122 South America Membrane Bioreactor (MBR) Market Outlook, By Capacity (2019-2028) (\$MN)

Table 123 South America Membrane Bioreactor (MBR) Market Outlook, By >500 m³/day (2019-2028) (\$MN)

Table 124 South America Membrane Bioreactor (MBR) Market Outlook, By 100 m³/day - 500 m³/day (2019-2028) (\$MN)

Table 125 South America Membrane Bioreactor (MBR) Market Outlook, By Less than 100 m³/day (2019-2028) (\$MN)

Table 126 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Country (2019-2028) (\$MN)

Table 127 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Type (2019-2028) (\$MN)

Table 128 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Integrated (2019-2028) (\$MN)

Table 129 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Split Type (2019-2028) (\$MN)

Table 130 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Membrane Type (2019-2028) (\$MN)

Table 131 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Multi-Tubular (2019-2028) (\$MN)

Table 132 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Hollow Fiber (2019-2028) (\$MN)

Table 133 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Flat Sheet (2019-2028) (\$MN)

Table 134 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By System Configuration (2019-2028) (\$MN)

Table 135 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By

External/ Side Stream (2019-2028) (\$MN)

Table 136 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Internal/Submerged (2019-2028) (\$MN)

Table 137 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Application (2019-2028) (\$MN)

Table 138 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Industrial Wastewater Treatment (2019-2028) (\$MN)

Table 139 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Paper & Pulp (2019-2028) (\$MN)

Table 140 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Oil & Gas (2019-2028) (\$MN)

Table 141 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Mining (2019-2028) (\$MN)

Table 142 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Food & Beverage (2019-2028) (\$MN)

Table 143 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Municipal Wastewater Treatment (2019-2028) (\$MN)

Table 144 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Other Applications (2019-2028) (\$MN)

Table 145 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Textile (2019-2028) (\$MN)

Table 146 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Power Generation (2019-2028) (\$MN)

Table 147 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Capacity (2019-2028) (\$MN)

Table 148 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By >500 m³/day (2019-2028) (\$MN)

Table 149 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By 100 m³/day - 500 m³/day (2019-2028) (\$MN)

Table 150 Middle East & Africa Membrane Bioreactor (MBR) Market Outlook, By Less than 100 m³/day (2019-2028) (\$MN)

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