

# Reverse Osmosis (RO) Membrane Market by Type (Thin-film Composite Membranes, Cellulose Based Membranes), End-use Industry (Water & Wastewater treatment, Industrial Processing), Filter Module, Application, and Region - Global Forecast to 2026

<https://marketpublishers.com/r/R06B7DED1CBEN.html>

Date: August 2021

Pages: 213

Price: US\$ 4,950.00 (Single User License)

ID: R06B7DED1CBEN

## Abstracts

The global RO membrane market size is projected to reach USD 5.0 billion by 2026 from USD 3.1 billion in 2021, at a CAGR of 10.0% during the forecast period. The increased demand for RO membrane in water & wastewater treatment is driving the market. In addition, growing water scarcity and developing government regulations mandating treatment of industrial and municipal wastewater are also driving the RO membrane market. The increase in demand for industrial process water and growth in urbanization in the emerging economies, such as APAC, Middle East & Africa, and South America, are also driving the market.

Thin-film composite membranes accounted for the largest share amongst other types in the RO membrane market

Thin-film composite membranes are widely for water & wastewater treatment. Thin-film composite membranes are manufactured largely for use in water purification or desalination systems. These membranes have high rejection for unwanted materials such as metal ions and salts, good mechanical strength, and high filtration rate. In addition, these membranes possess good chemical and mechanical stability and portray excellent membrane formability characteristics. Also, these membranes have been recognized to promote water permeation thus, high water recovery and good quality of treated water.

Water & wastewater treatment accounted for the largest market share amongst other

## end-use industry in the RO membrane market

Water & wastewater treatment segment is estimated to be the largest end-use industry for the RO membrane market. Water shortage and improving regulations mandating wastewater treatment and reuse are driving the market for water & wastewater treatment segment. Rising demand for potable water from countries such as China, India, Brazil, African nations, and others have also led to the large market size. In addition, increasing desalination activities in countries such as Saudi Arabia, the UAE, India, China, the US, and others are expected to further drive the market for water & wastewater treatment.

APAC is projected to grow the fastest in the RO membrane market during the forecast period.

APAC is predicted to be the fastest-growing region amongst others in the RO membrane market in 2020, in terms of value. Increasing government initiatives in providing water access to all, an increase in the population, and heightened urbanization are driving the market in APAC. China, Japan, and India are the major markets in this region. In addition, expanding industrial activities, residential & commercial sector growth in countries such as Singapore, China, Malaysia, Thailand, Vietnam, Indonesia, India, and others, are also driving the market growth of water & wastewater treatment in the RO membrane industry.

Extensive primary interviews were conducted in the process of determining and verifying sizes of several segments and subsegments of the RO membrane market gathered through secondary research.

The breakdown of primary interviews has been given below.

By Company Type: Tier 1 – 25%, Tier 2 – 50%, and Tier 3 – 25%

By Designation: C Level Executives – 20%, Director Level – 30%, Others – 50%

By Region: North America – 20%, APAC – 25%, Europe – 30%, Middle East & Africa – 10%, South America-15%.

The key players in this market are DuPont Water Solutions (US), Toray Industries (Japan), Suez Water Technologies and Solutions (US)France), Hydranautics (US), LG

Chem (South Korea), Koch (US), Mann Hummel Water & Fluid Solutions (Germany), Membranium (Russia), and Toyobo Co. Ltd. (Japan). These players have established a strong foothold in the market by adopting strategies, such as new product launches, investment & expansions, agreements, joint ventures, partnerships, and mergers & acquisitions.

## Research Coverage

This report covers the RO membrane market and forecasts its market size until 2026. The market has been segmented based on type, end-use industry, filter module, application, and region. The report also provides detailed information on company profiles and competitive strategies adopted by the key players to strengthen their positions in the market. The report also provides insights into the driving and restraining factors in the RO membrane market, along with opportunities and challenges across these industries. It also includes profiles for top manufacturers in the market.

## Reasons to Buy the Report

The report is expected to help market leaders/new entrants in the following ways:

1. This report segments the RO membrane market and provides the closest approximations of overall market size for its segments across different verticals and regions.
2. This report is expected to help stakeholders understand the pulse of the market and provide information on key drivers, restraints, challenges, and opportunities influencing the growth of the market.
3. This report is expected to help stakeholders obtain an in-depth understanding of the competitive landscape of the market and gain insights to improve the position of their businesses. The competitive landscape section includes detailed information on strategies, such as new product launches, investments & expansions, agreements, partnerships, joint ventures, and mergers & acquisitions.

## Contents

### 1 INTRODUCTION

1.1 OBJECTIVES OF THE STUDY

1.2 MARKET DEFINITION

1.3 MARKET SCOPE

1.3.1 RO MEMBRANE MARKET SEGMENTATION

1.3.2 REGIONS COVERED

1.3.3 YEARS CONSIDERED FOR THE STUDY

1.4 CURRENCY

1.5 UNITS CONSIDERED

1.6 STAKEHOLDERS

1.7 LIMITATIONS

1.8 INCLUSIONS & EXCLUSIONS

TABLE 1 RO MEMBRANE MARKET: INCLUSIONS & EXCLUSIONS

1.9 SUMMARY OF CHANGES

### 2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 1 RO MEMBRANE MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 Key data from secondary sources

2.1.2 PRIMARY DATA

2.1.3 LIST OF PRIMARY SOURCES

FIGURE 2 KEY DATA FROM PRIMARY SOURCES

2.1.3.1 Key industry insights

2.1.3.2 Breakdown of primary interviews

2.2 MARKET SIZE ESTIMATION

2.2.1 BOTTOM-UP APPROACH

FIGURE 3 RO MEMBRANE MARKET: BOTTOM-UP APPROACH

2.2.2 TOP-DOWN APPROACH

FIGURE 4 RO MEMBRANE MARKET: TOP-DOWN APPROACH

2.3 DATA TRIANGULATION

FIGURE 5 RO MEMBRANE MARKET: DATA TRIANGULATION

2.3.1 RO MEMBRANE MARKET ANALYSIS THROUGH PRIMARY INTERVIEWS

FIGURE 6 RO MEMBRANE MARKET ANALYSIS THROUGH SECONDARY SOURCES

## FIGURE 7 RO MEMBRANE MARKET ANALYSIS

### 2.4 LIMITATIONS

### 2.5 ASSUMPTIONS

### 2.6 GROWTH RATE ASSUMPTIONS/GROWTH FORECAST

#### 2.6.1 SUPPLY SIDE

#### 2.6.2 DEMAND SIDE

#### 2.6.3 INSIGHTS FROM KEY RESPONDENTS

### 2.7 RISK ASSESSMENT

## 3 EXECUTIVE SUMMARY

FIGURE 8 THIN FILM COMPOSITE MEMBRANE TO BE THE LARGER SEGMENT OF THE MARKET

FIGURE 9 WATER & WASTEWATER TREATMENT TO BE THE LARGER END-USE INDUSTRY OF RO MEMBRANES

FIGURE 10 APAC TO BE THE FASTEST-GROWING RO MEMBRANE MARKET

## 4 PREMIUM INSIGHTS

### 4.1 ATTRACTIVE OPPORTUNITIES IN RO MEMBRANE MARKET

FIGURE 11 GROWING DEMAND FOR RO MEMBRANES IN EMERGING ECONOMIES TO DRIVE THE MARKET

### 4.2 RO MEMBRANE MARKET, BY TYPE

FIGURE 12 THIN FILM COMPOSITE MEMBRANE TO BE THE LARGER SEGMENT OF THE MARKET

### 4.3 RO MEMBRANE MARKET, BY END-USE INDUSTRY

FIGURE 13 WATER & WASTEWATER TREATMENT TO BE THE LARGER END-USE INDUSTRY OF RO MEMBRANES

### 4.4 RO MEMBRANE MARKET, BY MAJOR COUNTRIES

FIGURE 14 INDIA TO RECORD THE HIGHEST CAGR DURING THE FORECAST PERIOD

### 4.5 APAC RO MEMBRANE MARKET, BY TYPE AND COUNTRY, 2020

FIGURE 15 THIN FILM COMPOSITE SEGMENT AND CHINA ACCOUNTED FOR LARGEST SHARES

## 5 MARKET OVERVIEW

### 5.1 INTRODUCTION

## 5.2 MARKET DYNAMICS

### FIGURE 16 DRIVERS, RESTRAINTS, CHALLENGES, AND OPPORTUNITIES IN THE RO MEMBRANE MARKET

#### 5.2.1 DRIVERS

5.2.1.1 Growing water scarcity

5.2.1.2 Government regulations and increasing demand for clean drinking water

#### 5.2.2 OPPORTUNITIES

5.2.2.1 Growing demand for water treatment in developing countries

#### 5.2.3 RESTRAINTS

5.2.3.1 Membrane fouling and scaling

#### 5.2.4 CHALLENGES

5.2.4.1 Discharge of dense brine as waste

## 5.3 PATENT ANALYSIS

### 5.3.1 DOCUMENT TYPE

#### FIGURE 17 GRANTED VS. APPLIED PATENTS

#### FIGURE 18 PUBLICATION TRENDS - LAST 10 YEARS

### 5.3.2 INSIGHTS

### 5.3.3 JURISDICTION ANALYSIS

#### FIGURE 19 JURISDICTION ANALYSIS, BY COUNTRY

### 5.3.4 TOP APPLICANTS

#### FIGURE 20 TOP APPLICANTS WITH THE HIGHEST NUMBER OF PATENTS

5.3.4.1 List of Patents by Kurita Water Industries Ltd.

5.3.4.2 List of Patents by Dainippon Ink & Chemical

5.3.4.3 List of Patents by Toray Industries, Inc.

5.3.4.4 List of Patents by LG Chem Ltd.

5.3.4.5 List of Patents by Midea Group Co. Ltd.

#### TABLE 2 TOP 10 PATENT OWNERS (US) IN LAST 10 YEARS

## 5.4 REGULATORY & TARIFF LANDSCAPE

### 5.4.1 NORTH AMERICA

5.4.1.1 Clean Water Act (CWA)

5.4.1.2 Safe Drinking Water Act (SDWA)

### 5.4.2 EUROPE

5.4.2.1 The urban wastewater treatment directive (1991)

5.4.2.2 The drinking water directive (1998)

5.4.2.3 The water framework directive (2000)

### 5.4.3 ASIA

5.4.3.1 China

5.4.3.1.1 Environmental Protection Law (EPL)

5.4.3.1.2 Water law of the people's republic of China

5.4.3.1.3 Water pollution prevention and control law

5.4.3.2 India

5.4.3.2.1 Water prevention and control of pollution act, 1974

5.4.3.3 Japan

5.4.3.3.1 Water pollution control law, 1971

5.5 ECOSYSTEM

FIGURE 21 RO MEMBRANE ECOSYSTEM

5.5.1 RO MEMBRANE MARKET: ECOSYSTEM

5.6 TECHNOLOGY ANALYSIS

5.6.1 NEW TECHNOLOGIES – RO MEMBRANES

5.7 IMPACT OF COVID-19 ON RO MEMBRANE MARKET

5.7.1 COVID-19

5.7.2 CONFIRMED CASES AND DEATHS, BY GEOGRAPHY

FIGURE 22 PACE OF GLOBAL PROPAGATION OF COVID-19 IS UNPRECEDENTED

5.7.3 IMPACT ON WATER SECTOR

5.8 RAW MATERIAL ANALYSIS

5.8.1 POLYAMIDE

5.8.2 POLYSULFONE & POLYETHERSULFONE

5.8.3 CELLULOSE ACETATE

5.9 PRICE ANALYSIS

FIGURE 23 AVERAGE PRICING IN RO MEMBRANE MARKET

5.10 PORTER'S FIVE FORCES ANALYSIS

FIGURE 24 PORTER'S FIVE FORCES ANALYSIS OF RO MEMBRANE MARKET

5.10.1 THREAT OF SUBSTITUTES

5.10.2 BARGAINING POWER OF SUPPLIERS

5.10.3 THREAT OF NEW ENTRANTS

5.10.4 BARGAINING POWER OF BUYERS

5.10.5 INTENSITY OF COMPETITIVE RIVALRY

5.11 VALUE CHAIN ANALYSIS

FIGURE 25 VALUE CHAIN ANALYSIS

5.11.1 RAW MATERIAL SUPPLIERS

5.11.2 MEMBRANE MANUFACTURERS

5.11.3 DISTRIBUTORS

5.11.4 END USERS

5.12 MACROECONOMIC INDICATORS

5.12.1 GLOBAL GDP TRENDS

TABLE 3 GDP OF KEY COUNTRIES, USD BILLION, 2016-2019

TABLE 4 GDP GROWTH ESTIMATE AND PROJECTION OF KEY COUNTRIES,  
2019-2022



#### 5.12.2 WATER TREATMENT STATISTICS

TABLE 5 TREATED MUNICIPAL WASTEWATER ( $10^9\text{M}^3/\text{YEAR}$ ) AND NUMBER OF MUNICIPAL WASTEWATER TREATMENT FACILITIES

#### 5.13 CASE STUDY ANALYSIS

5.13.1 TURNING CALIFORNIA WASTEWATER INTO DRINKING WATER USING DUPONT'S RO MEMBRANES

5.13.2 SEAWATER DESALINATION USING TORAY'S RO MEMBRANES

#### 5.14 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESS

FIGURE 26 AUTOMATION, DESALINATION, AND NANOTECHNOLOGY TO DRIVE FUTURE GROWTH

#### 5.15 TRADE ANALYSIS

TABLE 6 MAJOR IMPORT PARTNERS – RO MEMBRANES

#### 5.16 OPERATIONAL DATA

TABLE 7 OPERATIONAL DATA – RO MEMBRANES

### **6 REVERSE OSMOSIS MEMBRANE MARKET, BY FILTER MODULE**

#### 6.1 INTRODUCTION

#### 6.2 PLATE-AND-FRAME (PF)

#### 6.3 TUBULAR

#### 6.4 SPIRAL WOUND

#### 6.5 HOLLOW FIBER

### **7 REVERSE OSMOSIS MEMBRANE MARKET, BY APPLICATION**

#### 7.1 INTRODUCTION

#### 7.2 DESALINATION

#### 7.3 UTILITY WATER TREATMENT

#### 7.4 WASTEWATER TREATMENT & REUSE

#### 7.5 PROCESS WATER

### **8 REVERSE OSMOSIS MEMBRANE MARKET, BY TYPE**

#### 8.1 INTRODUCTION

FIGURE 27 THIN FILM COMPOSITE MEMBRANE TO BE THE LARGER TYPE DURING

THE FORECAST PERIOD

TABLE 8 RO MEMBRANE MARKET SIZE, BY TYPE, 2019–2026 (MILLION METER SQUARE)



TABLE 9 RO MEMBRANE MARKET SIZE, BY TYPE, 2019–2026 (USD MILLION)

8.2 CELLULOSE-BASED MEMBRANE

8.2.1 THE OLDEST FORM OF RO MEMBRANES USED COMMERCIALY

TABLE 10 CELLULOSE-BASED MEMBRANE MARKET SIZE, BY REGION,  
2019–2026 (MILLION METER SQUARE)

TABLE 11 CELLULOSE-BASED MEMBRANE MARKET SIZE, BY REGION,  
2019–2026 (USD MILLION)

8.2.2 CELLULOSE ACETATE (CA) MEMBRANES

8.2.3 OTHERS

8.3 THIN FILM COMPOSITE MEMBRANE

8.3.1 IDEAL FOR THE PURIFICATION OF FEED STREAMS CONTAINING A WIDE  
VARIETY OF DISSOLVED CONTAMINANTS

TABLE 12 THIN FILM COMPOSITE MEMBRANE MARKET SIZE, BY REGION,  
2019–2026 (MILLION METER SQUARE)

TABLE 13 THIN FILM COMPOSITE MEMBRANE MARKET SIZE, BY REGION,  
2019–2026 (USD MILLION)

8.3.2 POLYAMIDE (PA) COMPOSITE MEMBRANES

8.3.3 OTHERS

## **9 REVERSE OSMOSIS MEMBRANE MARKET, BY END-USE INDUSTRY**

9.1 INTRODUCTION

FIGURE 28 WATER & WASTEWATER TREATMENT TO BE THE LARGER END-USE  
INDUSTRY DURING THE FORECAST PERIOD

TABLE 14 RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020  
(MILLION METER SQUARE)

TABLE 15 RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026  
(MILLION METER SQUARE)

TABLE 16 RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020  
(USD MILLION)

TABLE 17 RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026  
(USD MILLION)

9.2 WATER & WASTEWATER TREATMENT

9.2.1 RESIDENTIAL & COMMERCIAL

9.2.1.1 RO is the low-maintenance, chemical-free option to achieve clean water used  
for household purposes

9.2.2 MUNICIPAL

9.2.2.1 Limited freshwater resources driving the market in this segment

TABLE 18 RO MEMBRANE MARKET SIZE IN WATER & WASTEWATER

TREATMENT, BY REGION, 2017–2020 (MILLION METER SQUARE)

TABLE 19 RO MEMBRANE MARKET SIZE IN WATER & WASTEWATER

TREATMENT, BY REGION, 2021–2026 (MILLION METER SQUARE)

TABLE 20 RO MEMBRANE MARKET SIZE IN WATER & WASTEWATER

TREATMENT, BY REGION, 2017–2020 (USD MILLION)

TABLE 21 RO MEMBRANE MARKET SIZE IN WATER & WASTEWATER

TREATMENT, BY REGION, 2021–2026 (USD MILLION)

### 9.3 INDUSTRIAL PROCESSING

TABLE 22 RO MEMBRANE MARKET SIZE IN INDUSTRIAL PROCESSING, BY REGION, 2017–2020 (MILLION METER SQUARE)

TABLE 23 RO MEMBRANE MARKET SIZE IN INDUSTRIAL PROCESSING, BY REGION, 2021–2026 (MILLION METER SQUARE)

TABLE 24 RO MEMBRANE MARKET SIZE IN INDUSTRIAL PROCESSING, BY REGION, 2017–2020 (USD MILLION)

TABLE 25 RO MEMBRANE MARKET SIZE IN INDUSTRIAL PROCESSING, BY REGION, 2021–2026 (USD MILLION)

#### 9.3.1 ENERGY

9.3.1.1 RO membranes are used to treat feedwater sourced from groundwater sources or seawater and for wastewater treatment

#### 9.3.2 FOOD & BEVERAGE

9.3.2.1 The use of membrane equipment is an integral part of manufacturing milk, cheese, and whey proteins

#### 9.3.3 HEALTHCARE

9.3.3.1 RO membranes are used in hospital water and wastewater treatment for the production of ultra-pure water

#### 9.3.4 CHEMICAL & PETROCHEMICAL

9.3.4.1 Selective separation properties provided by RO membranes are beneficial for various processes

#### 9.3.5 OTHERS

## 10 REVERSE OSMOSIS MEMBRANE MARKET, BY REGION

### 10.1 INTRODUCTION

FIGURE 29 RO MEMBRANE MARKET IN INDIA TO REGISTER THE HIGHEST CAGR

TABLE 26 RO MEMBRANE MARKET SIZE, BY REGION, 2017–2020 (USD MILLION)

TABLE 27 RO MEMBRANE MARKET SIZE, BY REGION, 2021–2026 (USD MILLION)

TABLE 28 RO MEMBRANE MARKET SIZE, BY REGION, 2017–2020 (MILLION METER SQUARE)

TABLE 29 RO MEMBRANE MARKET SIZE, BY REGION, 2021–2026 (MILLION

METER SQUARE)

## 10.2 NORTH AMERICA

FIGURE 30 NORTH AMERICA: RO MEMBRANE MARKET SNAPSHOT

TABLE 30 NORTH AMERICA: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 31 NORTH AMERICA: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2021–2026 (USD MILLION)

TABLE 32 NORTH AMERICA: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 33 NORTH AMERICA: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2021–2026 (MILLION METER SQUARE)

TABLE 34 NORTH AMERICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 35 NORTH AMERICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 36 NORTH AMERICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 37 NORTH AMERICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

TABLE 38 NORTH AMERICA: RO MEMBRANE MARKET SIZE, BY TYPE, 2019–2026 (USD MILLION)

TABLE 39 NORTH AMERICA: RO MEMBRANE MARKET SIZE, BY TYPE, 2019–2026 (MILLION METER SQUARE)

### 10.2.1 US

10.2.1.1 Large industrial water treatment sector to drive the market

TABLE 40 US: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 41 US: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 42 US: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 43 US: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

### 10.2.2 CANADA

10.2.2.1 Competitive business environment boosts the market

TABLE 44 CANADA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 45 CANADA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 46 CANADA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 47 CANADA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

### 10.2.3 MEXICO

10.2.3.1 Government initiatives and manufacturing sector growth aiding high demand

TABLE 48 MEXICO: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 49 MEXICO: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 50 MEXICO: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 51 MEXICO: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

### 10.3 EUROPE

TABLE 52 EUROPE: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 53 EUROPE: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2021–2026 (USD MILLION)

TABLE 54 EUROPE: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 55 EUROPE: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2021–2026 (MILLION METER SQUARE)

TABLE 56 EUROPE: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 57 EUROPE: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 58 EUROPE: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 59 EUROPE: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

TABLE 60 EUROPE: RO MEMBRANE MARKET SIZE, BY TYPE, 2019–2026 (USD MILLION)

TABLE 61 EUROPE: RO MEMBRANE MARKET SIZE, BY TYPE, 2019–2026 (MILLION METER SQUARE)

#### 10.3.1 GERMANY

10.3.1.1 Wastewater is treated according to the highest EU standards in the country

TABLE 62 GERMANY: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY,

2017–2020 (USD MILLION)

TABLE 63 GERMANY: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 64 GERMANY: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 65 GERMANY: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

### 10.3.2 UK

10.3.2.1 Commercial, domestic, and municipality segments to drive the market in the country

TABLE 66 UK: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 67 UK: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 68 UK: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 69 UK: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

### 10.3.3 FRANCE

10.3.3.1 Water treatment infrastructural advancement to drive the market

TABLE 70 FRANCE: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 71 FRANCE: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 72 FRANCE: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 73 FRANCE: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

### 10.3.4 ITALY

10.3.4.1 Food & beverage, pharmaceutical, and electronics sectors to drive the market

TABLE 74 ITALY: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 75 ITALY: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 76 ITALY: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 77 ITALY: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

### 10.3.5 SPAIN

10.3.5.1 High demand for efficient wastewater and drinking water treatment to drive the market

TABLE 78 SPAIN: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 79 SPAIN: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 80 SPAIN: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 81 SPAIN: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

### 10.3.6 RUSSIA

10.3.6.1 Drinking and industrial water supply business to increase the demand for RO membranes

TABLE 82 RUSSIA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 83 RUSSIA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 84 RUSSIA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 85 RUSSIA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

### 10.3.7 REST OF EUROPE

TABLE 86 REST OF EUROPE: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 87 REST OF EUROPE: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 88 REST OF EUROPE: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 89 REST OF EUROPE: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

### 10.4 APAC

FIGURE 31 APAC: RO MEMBRANE MARKET SNAPSHOT

TABLE 90 APAC: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 91 APAC: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2021–2026 (USD MILLION)

TABLE 92 APAC: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2017–2020 (MILLION METER SQUARE)



TABLE 93 APAC: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2021–2026  
(MILLION METER SQUARE)

TABLE 94 APAC: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY,  
2017–2020 (USD MILLION)

TABLE 95 APAC: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY,  
2021–2026 (USD MILLION)

TABLE 96 APAC: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY,  
2017–2020 (MILLION METER SQUARE)

TABLE 97 APAC: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY,  
2021–2026 (MILLION METER SQUARE)

TABLE 98 APAC: RO MEMBRANE MARKET SIZE, BY TYPE, 2019–2026 (USD  
MILLION)

TABLE 99 APAC: RO MEMBRANE MARKET SIZE, BY TYPE, 2019–2026 (MILLION  
METER SQUARE)

#### 10.4.1 CHINA

10.4.1.1 Strong government policies to drive the RO membrane market in  
the country

TABLE 100 CHINA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY,  
2017–2020 (USD MILLION)

TABLE 101 CHINA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY,  
2021–2026 (USD MILLION)

TABLE 102 CHINA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY,  
2017–2020 (MILLION METER SQUARE)

TABLE 103 CHINA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY,  
2021–2026 (MILLION METER SQUARE)

#### 10.4.2 JAPAN

10.4.2.1 Huge investments in water treatment and desalination projects to drive the  
market

TABLE 104 JAPAN: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY,  
2017–2020 (USD MILLION)

TABLE 105 JAPAN: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY,  
2021–2026 (USD MILLION)

TABLE 106 JAPAN: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY,  
2017–2020 (MILLION METER SQUARE)

TABLE 107 JAPAN: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY,  
2021–2026 (MILLION METER SQUARE)

#### 10.4.3 SOUTH KOREA

10.4.3.1 Increase in domestic and industrial wastewater due to urbanization and  
industrialization to drive the market



TABLE 108 SOUTH KOREA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 109 SOUTH KOREA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 110 SOUTH KOREA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 111 SOUTH KOREA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

#### 10.4.4 INDIA

10.4.4.1 The fastest-growing RO membrane market in the region

TABLE 112 INDIA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 113 INDIA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 114 INDIA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 115 INDIA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

#### 10.4.5 AUSTRALIA

10.4.5.1 Severe drought and climate change are affecting the availability of freshwater

TABLE 116 AUSTRALIA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 117 AUSTRALIA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 118 AUSTRALIA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 119 AUSTRALIA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

#### 10.4.6 REST OF APAC

TABLE 120 REST OF APAC: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 121 REST OF APAC: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 122 REST OF APAC: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 123 REST OF APAC: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

#### 10.5 SOUTH AMERICA

TABLE 124 SOUTH AMERICA: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 125 SOUTH AMERICA: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2021–2026 (USD MILLION)

TABLE 126 SOUTH AMERICA: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 127 SOUTH AMERICA: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2021–2026 (MILLION METER SQUARE)

TABLE 128 SOUTH AMERICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 129 SOUTH AMERICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 130 SOUTH AMERICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 131 SOUTH AMERICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

TABLE 132 SOUTH AMERICA: RO MEMBRANE MARKET SIZE, BY TYPE, 2019–2026 (USD MILLION)

TABLE 133 SOUTH AMERICA: RO MEMBRANE MARKET SIZE, BY TYPE, 2019–2026 (MILLION METER SQUARE)

#### 10.5.1 BRAZIL

10.5.1.1 Improved regulatory conditions and consumer awareness to drive the market

TABLE 134 BRAZIL: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 135 BRAZIL: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 136 BRAZIL: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 137 BRAZIL: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

#### 10.5.2 ARGENTINA

10.5.2.1 Treatment capacity increase and foreign investments to boost market development

TABLE 138 ARGENTINA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 139 ARGENTINA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 140 ARGENTINA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY,

2017–2020 (MILLION METER SQUARE)

TABLE 141 ARGENTINA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

#### 10.5.3 REST OF SOUTH AMERICA

TABLE 142 REST OF SOUTH AMERICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 143 REST OF SOUTH AMERICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 144 REST OF SOUTH AMERICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 145 REST OF SOUTH AMERICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

#### 10.6 MIDDLE EAST & AFRICA

TABLE 146 MIDDLE EAST & AFRICA: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 147 MIDDLE EAST & AFRICA: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2021–2026 (USD MILLION)

TABLE 148 MIDDLE EAST & AFRICA: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 149 MIDDLE EAST & AFRICA: RO MEMBRANE MARKET SIZE, BY COUNTRY, 2021–2026 (MILLION METER SQUARE)

TABLE 150 MIDDLE EAST & AFRICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 151 MIDDLE EAST & AFRICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 152 MIDDLE EAST & AFRICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 153 MIDDLE EAST & AFRICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

TABLE 154 MIDDLE EAST & AFRICA: RO MEMBRANE MARKET SIZE, BY TYPE, 2019–2026 (USD MILLION)

TABLE 155 MIDDLE EAST & AFRICA: RO MEMBRANE MARKET SIZE, BY TYPE, 2019–2026 (MILLION METER SQUARE)

#### 10.6.1 SAUDI ARABIA

10.6.1.1 Saudi Arabia leads the RO membrane market in the region

TABLE 156 SAUDI ARABIA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 157 SAUDI ARABIA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 158 SAUDI ARABIA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 159 SAUDI ARABIA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

#### 10.6.2 TURKEY

10.6.2.1 Turkey's water-intensive industries propel RO membrane consumption

TABLE 160 TURKEY: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 161 TURKEY: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 162 TURKEY: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 163 TURKEY: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

#### 10.6.3 EGYPT

10.6.3.1 Increased wastewater treatment and desalination in Egypt to aid market growth

TABLE 164 EGYPT: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 165 EGYPT: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 166 EGYPT: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 167 EGYPT: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

#### 10.6.4 SOUTH AFRICA

10.6.4.1 South Africa is increasingly adopting water desalination owing to frequent water shortage concerns

TABLE 168 SOUTH AFRICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 169 SOUTH AFRICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 170 SOUTH AFRICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 171 SOUTH AFRICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

#### 10.6.5 REST OF MIDDLE EAST & AFRICA

TABLE 172 REST OF MIDDLE EAST & AFRICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (USD MILLION)

TABLE 173 REST OF MIDDLE EAST & AFRICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (USD MILLION)

TABLE 174 REST OF MIDDLE EAST & AFRICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2017–2020 (MILLION METER SQUARE)

TABLE 175 REST OF MIDDLE EAST & AFRICA: RO MEMBRANE MARKET SIZE, BY END-USE INDUSTRY, 2021–2026 (MILLION METER SQUARE)

## **11 COMPETITIVE LANDSCAPE**

### 11.1 OVERVIEW

#### 11.1.1 RO MEMBRANE MARKET, KEY DEVELOPMENTS

TABLE 176 OVERVIEW OF STRATEGIES ADOPTED BY KEY RO MEMBRANE PLAYERS

### 11.2 REVENUE ANALYSIS

#### 11.2.1 RO MEMBRANE MARKET

FIGURE 32 REVENUE ANALYSIS FOR KEY COMPANIES, 2016-2020.

### 11.3 MARKET SHARE ANALYSIS

FIGURE 33 RO MEMBRANE MARKET SHARE, BY COMPANY (2020)

TABLE 177 RO MEMBRANE: DEGREE OF COMPETITION

### 11.4 RANKING ANALYSIS OF KEY MARKET PLAYERS, 2020

FIGURE 34 RANKING OF TOP 5 PLAYERS IN THE RO MEMBRANE MARKET, 2020

#### 11.4.1 DUPONT WATER SOLUTIONS

#### 11.4.2 HYDRANAUTICS

#### 11.4.3 TORAY INDUSTRIES INC.

#### 11.4.4 LG CHEM

#### 11.4.5 SUEZ WATER TECHNOLOGIES & SOLUTIONS

### 11.5 COMPETITIVE EVALUATION QUADRANT (TIER 1)

#### 11.5.1 TERMINOLOGY/NOMENCLATURE

##### 11.5.1.1 Star

##### 11.5.1.2 Pervasive

##### 11.5.1.3 Emerging leader

FIGURE 35 RO MEMBRANE MARKET (GLOBAL): COMPANY EVALUATION MATRIX FOR TIER 1 COMPANIES, 2020

#### 11.5.2 STRENGTH OF PRODUCT PORTFOLIO

FIGURE 36 PRODUCT PORTFOLIO ANALYSIS OF TOP PLAYERS IN THE RO MEMBRANE MARKET

#### 11.5.3 BUSINESS STRATEGY EXCELLENCE

FIGURE 37 BUSINESS STRATEGY EXCELLENCE OF TOP PLAYERS IN THE RO MEMBRANE MARKET

## 11.6 COMPETITIVE EVALUATION QUADRANT (OTHER KEY PLAYERS)

### 11.6.1 TERMINOLOGY/NOMENCLATURE

11.6.1.1 Progressive companies

11.6.1.2 Responsive companies

11.6.1.3 Dynamic companies

FIGURE 38 RO MEMBRANE MARKET (GLOBAL): COMPANY EVALUATION MATRIX FOR OTHER KEY PLAYERS, 2020

### 11.6.2 STRENGTH OF PRODUCT PORTFOLIO (OTHER KEY PLAYERS)

FIGURE 39 PRODUCT PORTFOLIO ANALYSIS OF TOP PLAYERS IN THE RO MEMBRANE MARKET (OTHER KEY PLAYERS)

### 11.6.3 BUSINESS STRATEGY EXCELLENCE (OTHER KEY PLAYERS)

FIGURE 40 BUSINESS STRATEGY EXCELLENCE OF TOP PLAYERS IN THE RO MEMBRANE MARKET (OTHER KEY PLAYERS)

### 11.6.4 COMPANY FOOTPRINT

### 11.6.5 COMPANY FILTER MODULE FOOTPRINT

### 11.6.6 COMPANY APPLICATION FOOTPRINT

### 11.6.7 COMPANY REGION FOOTPRINT

## 11.7 COMPETITIVE SCENARIO AND TRENDS

### 11.7.1 RO MEMBRANE MARKET

11.7.1.1 Product launches

TABLE 178 RO MEMBRANE MARKET: PRODUCT LAUNCHES, JANUARY 2016-DECEMBER 2020

11.7.1.2 Deals

TABLE 179 RO MEMBRANE MARKET: DEALS, JANUARY 2016-DECEMBER 2020

11.7.1.3 Others

TABLE 180 RO MEMBRANE MARKET: OTHERS, JANUARY 2016-DECEMBER 2020

## 12 COMPANY PROFILES

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

### 12.1 DUPONT WATER SOLUTIONS

TABLE 181 DUPONT WATER SOLUTIONS: COMPANY OVERVIEW

FIGURE 41 DUPONT WATER SOLUTIONS: COMPANY SNAPSHOT

TABLE 182 DUPONT WATER SOLUTIONS: PRODUCT OFFERINGS

TABLE 183 DUPONT WATER SOLUTIONS: DEALS

TABLE 184 DUPONT WATER SOLUTIONS: PRODUCT LAUNCH

### 12.2 HYDRANAUTICS (A NITTO DENKO GROUP COMPANY)



TABLE 185 HYDRANAUTICS: COMPANY OVERVIEW

TABLE 186 HYDRANAUTICS: PRODUCT OFFERINGS

TABLE 187 HYDRANAUTICS: PRODUCT LAUNCH

12.3 TORAY INDUSTRIES, INC.

TABLE 188 TORAY INDUSTRIES, INC.: COMPANY OVERVIEW

FIGURE 42 TORAY INDUSTRIES, INC.: COMPANY SNAPSHOT

TABLE 189 TORAY INDUSTRIES, INC.: PRODUCT OFFERINGS

TABLE 190 TORAY INDUSTRIES INC.: PRODUCT LAUNCH

TABLE 191 TORAY INDUSTRIES INC.: DEALS

TABLE 192 TORAY INDUSTRIES INC.: OTHERS

12.4 LG CHEM

TABLE 193 LG CHEM: COMPANY OVERVIEW

FIGURE 43 LG CHEM: COMPANY SNAPSHOT

TABLE 194 LG CHEM: PRODUCT OFFERINGS

TABLE 195 LG CHEM: OTHERS

12.5 SUEZ WATER TECHNOLOGIES & SOLUTIONS

TABLE 196 SUEZ WATER TECHNOLOGIES & SOLUTIONS: COMPANY OVERVIEW

FIGURE 44 SUEZ WATER TECHNOLOGIES & SOLUTIONS: COMPANY SNAPSHOT

TABLE 197 SUEZ WATER TECHNOLOGIES & SOLUTIONS: PRODUCT OFFERINGS

12.6 ALFA LAVAL

TABLE 198 ALFA LAVAL: COMPANY OVERVIEW

FIGURE 45 ALFA LAVAL: COMPANY SNAPSHOT

TABLE 199 ALFA LAVAL: PRODUCT OFFERINGS

12.7 KOCH SEPARATION SOLUTIONS

TABLE 200 KOCH SEPARATION SOLUTIONS: COMPANY OVERVIEW

TABLE 201 KOCH SEPARATION SOLUTIONS: PRODUCT OFFERINGS

TABLE 202 KOCH SEPARATION SOLUTIONS: PRODUCT LAUNCH

TABLE 203 KOCH SEPARATION SOLUTIONS: DEALS

12.8 MANN+HUMMEL WATER & FLUID SOLUTIONS

TABLE 204 MANN+HUMMEL WATER & FLUID SOLUTIONS: COMPANY OVERVIEW

TABLE 205 MANN+HUMMEL WATER & FLUID SOLUTIONS: PRODUCT OFFERINGS

TABLE 206 MANN+HUMMEL WATER & FLUID SOLUTIONS: DEALS

TABLE 207 MANN+HUMMEL WATER & FLUID SOLUTIONS: OTHERS

12.9 MEMBRANIUM (RM NANOTECH)

TABLE 208 MEMBRANIUM: COMPANY OVERVIEW

TABLE 209 MEMBRANIUM: PRODUCT OFFERINGS

TABLE 210 MEMBRANIUM: OTHERS

12.10 TOYOBO CO. LTD.

TABLE 211 TOYOBO CO. LTD.: COMPANY OVERVIEW



**FIGURE 46 TOYOBO CO. LTD: COMPANY SNAPSHOT****TABLE 212 TOYOBO CO. LTD.: PRODUCT OFFERINGS**

\*Business Overview, Products/Services/Solutions Offered, MnM View, Key Strengths and Right to Win, Strategic Choices Made, Weaknesses and Competitive Threats, Recent Developments might not be captured in case of unlisted companies.

**12.11 OTHER PLAYERS**

- 12.11.1 APPLIED MEMBRANE INC.
- 12.11.2 AXEON
- 12.11.3 HYDRAMEM
- 12.11.4 KEENSEN
- 12.11.5 LENNTECH
- 12.11.6 MERCK
- 12.11.7 MEMBRACON (UK) LTD.
- 12.11.8 OSMOTECH
- 12.11.9 PALL WATER
- 12.11.10 PARKER HANNIFIN CORPORATION
- 12.11.11 PERMOINICS
- 12.11.12 RECKSON
- 12.11.13 THERMO FISHER SCIENTIFIC
- 12.11.14 VONTRON
- 12.11.15 WATTS

**13 ADJACENT/RELATED MARKETS****13.1 LIMITATIONS****13.2 WATER & WASTEWATER TREATMENT EQUIPMENT MARKET****13.2.1 WATER & WASTEWATER TREATMENT EQUIPMENT MARKET, MARKET OVERVIEW****13.2.2 WATER & WASTEWATER TREATMENT EQUIPMENT MARKET, BY PRODUCT TYPE****TABLE 213 WATER & WASTEWATER TREATMENT EQUIPMENT MARKET SIZE, BY PRODUCT TYPE, 2015–2022 (USD MILLION)**

- 13.2.2.1 Filtration
- 13.2.2.2 Disinfection
- 13.2.2.3 Desalination
- 13.2.2.4 Testing

**13.2.3 WATER & WASTEWATER TREATMENT EQUIPMENT MARKET, BY APPLICATION****TABLE 214 WATER & WASTEWATER TREATMENT EQUIPMENT MARKET SIZE, BY**

*Reverse Osmosis (RO) Membrane Market by Type (Thin-film Composite Membranes, Cellulose Based Membranes), End-u...*

**APPLICATION, 2015–2022 (USD MILLION)**

13.2.3.1 Municipal

13.2.3.2 Industrial

**13.2.4 WATER & WASTEWATER TREATMENT EQUIPMENT MARKET, BY REGION****TABLE 215 WATER & WASTEWATER TREATMENT EQUIPMENT MARKET SIZE, BY REGION, 2015–2022 (USD MILLION)**

13.2.4.1 Asia-Pacific

13.2.4.2 Western Europe

13.2.4.3 Central &amp; Eastern Europe

13.2.4.4 North America

13.2.4.5 South America

**13.3 MIDDLE EAST & AFRICA****13.4 MEMBRANE SEPARATION TECHNOLOGY MARKET****13.4.1 MEMBRANE SEPARATION TECHNOLOGY MARKET, BY TECHNOLOGY****TABLE 216 MEMBRANE SEPARATION TECHNOLOGY MARKET SIZE, BY TECHNOLOGY, 2015–2022 (USD MILLION)**

13.4.1.1 RO

13.4.1.2 UF

13.4.1.3 MF

13.4.1.4 NF

13.4.1.5 Others

**13.4.2 MEMBRANE SEPARATION TECHNOLOGY MARKET, BY APPLICATION****TABLE 217 MEMBRANE SEPARATION TECHNOLOGY MARKET SIZE, BY APPLICATION, 2015–2022 (USD MILLION)**

13.4.2.1 Water &amp; wastewater treatment

13.4.2.2 Food &amp; beverage

13.4.2.3 Medical &amp; pharmaceutical

13.4.2.4 Industry processing

13.4.2.5 Others

**13.4.3 MEMBRANE SEPARATION TECHNOLOGY MARKET, BY REGION****TABLE 218 MEMBRANE SEPARATION TECHNOLOGY MARKET SIZE, BY REGION, 2015–2022 (USD MILLION)**

13.4.3.1 APAC

13.4.3.2 North America

13.4.3.3 Europe

13.4.3.4 Middle East &amp; Africa

13.4.3.5 South America

**14 APPENDIX**

14.1 DISCUSSION GUIDE

14.2 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

14.3 AVAILABLE CUSTOMIZATIONS

14.4 RELATED REPORTS

14.5 AUTHOR DETAILS

## I would like to order

Product name: Reverse Osmosis (RO) Membrane Market by Type (Thin-film Composite Membranes, Cellulose Based Membranes), End-use Industry (Water & Wastewater treatment, Industrial Processing), Filter Module, Application, and Region - Global Forecast to 2026

Product link: <https://marketpublishers.com/r/R06B7DED1CBEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

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

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

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/R06B7DED1CBEN.html>

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

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

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

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

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

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970