

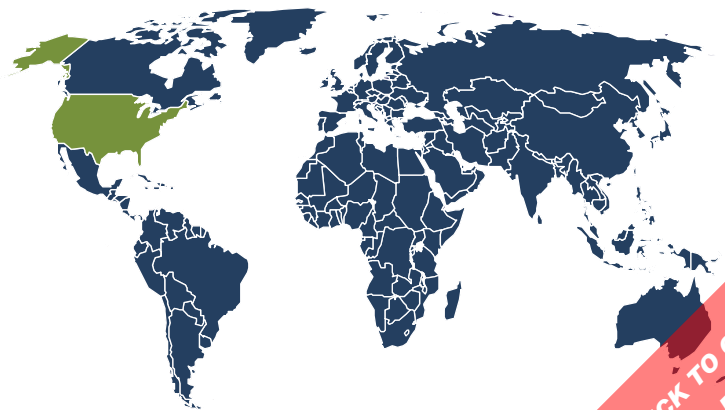
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# Membrane Separation Technologies: United States

September 2015



## Highlights

### Market Environment

Historical Trends | Key Economic Indicators | Environmental and Regulatory Factors  
NAFTA Overview

### Segmentation and Forecasts

Products | Markets

### Industry Structure

Industry Composition and Characteristics | Additional Companies Cited

### Resources

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## ABOUT THIS REPORT

### Scope & Method

This report forecasts US demand for membranes used in separation applications in US dollars at the manufacturers' level to 2019. Total demand is segmented by product in terms of:

- microfiltration
- reverse osmosis
- ultrafiltration
- pervaporation
- other products such as nanofiltration, direct osmosis, and electro dialysis.

Total demand is also segmented by market as follows:

- water treatment
- food and beverage processing
- wastewater treatment
- pharmaceutical and medical
- other markets such as chemical processing, industrial gases, and environmental applications.

To illustrate historical trends, total demand is provided in an annual series from 2004 to 2014; the various segments are reported at five-year intervals for 2009 and 2014.

This report quantifies trends in various measures of growth. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

Key macroeconomic indicators are also provided at five-year intervals with CAGRs for the years corresponding to other reported figures. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the [Table of Contents](#).

## Sources

*Membrane Separation Technologies: United States (FF35047)* is based on [World](#)

[Membrane Separation Technologies](#), a comprehensive industry study published by The Freedonia Group in September 2015. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- national, regional, and international non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other industry studies by The Freedonia Group.

Specific sources and additional resources are listed in the [Resources](#) section of this publication for reference and to facilitate further research.

## Industry Codes

The topic of this report is related to the following industry codes:

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
221310	Water Supply and Irrigation Systems	3089	Plastics Products, NEC
326199	All Other Plastics Product Mfg	3569	General Industrial Machinery and Equipment, NEC
333319	Other Commercial and Service Industry Machinery Mfg	3589	Service Industry Machinery, NEC
333999	All Other Miscellaneous General Purpose Machinery Mfg	4941	Water Supply

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## RESOURCES

### The Freedonia Group, Inc

[www.freedoniagroup.com](http://www.freedoniagroup.com)

<i>3325 World Membrane Separation Technologies</i> , September 2015	<a href="#">see study contents</a>
Related Industry Studies	
<i>3322 Water Treatment Chemicals</i> , July 2015	<a href="#">see study contents</a>
<i>3281 Consumer Water &amp; Air Treatment Systems</i> , July 2015	<a href="#">see study contents</a>
<i>3288 Water Treatment Equipment</i> , May 2015	<a href="#">see study contents</a>
<i>3219 Membrane Separation Technologies</i> , November 2014	<a href="#">see study contents</a>
<i>3152 World Filters</i> , July 2014	<a href="#">see study contents</a>
<i>3172 World Activated Carbon</i> , May 2014	<a href="#">see study contents</a>
<i>3137 Water &amp; Wastewater Pipe</i> , May 2014	<a href="#">see study contents</a>
<i>3125 Filters</i> , March 2014	<a href="#">see study contents</a>
Related Focus Reports	
<i>Consumer Water Treatment Systems: United States</i>	<a href="#">see report contents</a>
<i>Filters: United States</i>	<a href="#">see report contents</a>
<i>Water &amp; Wastewater Pipe: United States</i>	<a href="#">see report contents</a>
<i>Water Treatment Chemicals: United States</i>	<a href="#">see report contents</a>
<i>Water Treatment Equipment: United States</i>	<a href="#">see report contents</a>
<i>Water: United States</i>	<a href="#">see report contents</a>
<i>World Activated Carbon</i>	<a href="#">see report contents</a>
<i>World Filters</i>	<a href="#">see report contents</a>
Freedonia Custom Research, Inc	<a href="#">see capabilities</a>

### Trade Publications

<i>Desalination &amp; Water Reuse</i>	<a href="http://www.desalination.biz">www.desalination.biz</a>
<i>Filtration &amp; Separation</i>	<a href="http://www.filtsep.com">www.filtsep.com</a>
<i>Water &amp; Wastes Digest</i>	<a href="http://www.wwdmag.com">www.wwdmag.com</a>
<i>Water Environment &amp; Technology</i>	<a href="http://www.wef.org/Publications/page_wet.aspx">www.wef.org/Publications/page_wet.aspx</a>
<i>WaterWorld</i>	<a href="http://www.waterworld.com">www.waterworld.com</a>

### Agencies & Associations

American Membrane Technology Association	<a href="http://www.amtaorg.com">www.amtaorg.com</a>
North American Membrane Society	<a href="http://www.membranes.org">www.membranes.org</a>
United States Census Bureau	<a href="http://www.census.gov">www.census.gov</a>
United States Environmental Protection Agency	<a href="http://www.epa.gov">www.epa.gov</a>
United States Food and Drug Administration	<a href="http://www.fda.gov">www.fda.gov</a>
United States International Trade Commission	<a href="http://www.usitc.gov">www.usitc.gov</a>

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