Ultrapure Water Market by Equipment, Materials & Services , by Application, by End Use Industry & by Region - Global Trends & Forecast to 2020

Description: “The ultrapure water market projected to reach USD 7.15 billion by 2020.”

The ultrapure water market is projected to reach USD 7.15 billion by 2020, at a CAGR of 7.8% from 2015 to 2020. The increasing consumption of ultrapure water in the semiconductors industry for wafer fabrication process and recent upgradations of supercritical coal fired power plants are some of the key factors driving the growth of the ultrapure water market.

The semiconductor industry is projected to be the largest end-use segment of the market by 2020.

The semiconductors end-use industry accounted for the largest share of the ultrapure water market. This can be attributed to the increased utilization of ultrapure water systems in wafer fabrication, clean room practices, and other processes. With technological advancements in the semiconductors market, the need to provide highest grade of ultrapure water has increased the unit costs for the industry. Thus, several semiconductor wafer manufacturers are the target consumers for ultrapure water in the semiconductors segment.

Asia-Pacific is projected to register the highest growth in the ultrapure water market by 2020.

The ultrapure water market in Asia-Pacific is projected to register the highest CAGR between 2015 and 2020. The growth of the ultrapure water market in the Asia-Pacific is driven by the increasing demand of ultrapure water from China and other countries in the region. China is the major market of ultrapure water in Asia-Pacific with high demand in semiconductors and coal fired power plants, and is followed by Taiwan and South Korea. Asia-Pacific is also estimated to contribute the largest share to the global market.

Consumables/Aftermarket segment of ultrapure water to register high growth, due to increase demand proportional to output of the end users.

The consumables/aftermarket segment consisting of membranes and resins is expected to register high growth during the forecast period, due to their short life cycle resulting in continuous demand. Many major players such as Pall Corporation (U.S.), GE Power and Water (U.S.), Microdyn Nadir (Germany), and others have concentrated their market on this segment which requires high investments in R&D.

BREAKDOWN OF PROFILE OF PRIMARY PARTICIPANTS:
- By Company Type: Tier 1 - 15 %, Tier 2 - 35%, and Tier 3 - 50%
- By Designation: C Level - 54%, Manager Level - 25%, and Others - 21%
- By Region: North America - 50%, APAC - 27%, Europe - 21%, and RoW - 1%

The companies profiled in this report are Dow Water & Process Solutions (U.S.), GE Water and Process Technologies Inc. (U.S.), Veolia Environment S.A. (France), Ovivo Inc. (Canada), PALL corporation (U.S.), MICRODYN-NADIR (Germany), Hydranautics (U.S.), Pentair PLC (U.K.), Kurita Water Industries Ltd (Japan), Koch Membrane Systems (U.S.), and Evoqua Water Technologies (U.S.).

Reasons to buy this report:

This report covers the following key aspects:
- What will be the market size by 2020 and what will be the growth rate
- What are the key market trends
- What are the factors expected to drive the growth of the market
- What are the challenges that impact market growth
- Who are the key players in this market
- Global report covers key regions, such as North America, Europe, and Asia-Pacific, including major countries in these regions such as the U.S., China, Taiwan, and Germany.
Contents:

1 Introduction
1.1 Objectives Of The Study
1.2 Market Definition
1.3 Scope Of The Market
1.3.1 Markets Covered
1.3.2 Years Considered For The Study
1.4 Currency
1.5 Limitations
1.6 Stakeholders

2 Research Methodology
2.1 Research Data
2.1.1 Secondary Data
2.1.1.1 Key Data From Secondary Sources
2.1.2 Primary Data
2.1.2.1 Key Data From Primary Sources
2.1.2.2 Key Industry Insights
2.1.2.3 Breakdown Of Primary Interviews
2.2 Market Size Estimation
2.3 Market Breakdown And Data Triangulation
2.4 Assumptions

3 Executive Summary

4 Premium Insights
4.1 Attractive Opportunities In The Ultrapure Water Market
4.2 Ultrapure Water Market, By End-Use Industry
4.3 Global Ultrapure Water Market
4.4 Ultrapure Water Market Attractiveness
4.5 Ultrapure Water Market, By End-Use Industry (2014)
4.6 Ultrapure Water Market, Developing Vs. Developed Nations
4.7 Life Cycle Analysis, By Region

5 Market Overview
5.1 Introduction
5.2 Market Segmentation
5.3 Market Dynamics
5.3.1 Drivers
5.3.1.1 Growing Demand Due To Wide Range Of Applicability
5.3.1.2 Continuous Development In Semiconductors Industry
5.3.1.3 High Demand For Cleanroom Practices
5.3.1.4 High Customization
5.3.2 Restraints
5.3.2.1 Impractical Universal Marketing
5.3.2.2 Market Dominated By Large Players
5.3.3 Opportunities
5.3.3.1 Increasing Investment For Wafers Washing In Emerging Economies
5.3.3.2 Increasing Installations Of Supercritical And Ultra-Supercritical Coal Power Plants
5.3.4 Challenge
5.3.4.1 Meeting High Standard Requirements Of Advancing Nanotechnology

6 Industry Trends
6.1 Introduction
6.2 Ultrapure Water Treatment Process
6.2.1.1 Pre-Treatment
6.2.1.2 Primary Stage (Roughening Stage)
6.2.1.3 Polishing
6.3 Ultrapure Water Technologies
6.3.1.1 Reverse Osmosis (Ro)
6.3.1.2 Ion Exchange (Ix)
6.3.1.3 Ultrafiltration (Uf)
6.3.1.4 Degasification
6.3.1.5 Electrodeionization (Edi):- 
6.4 Porter'S Five Forces Analysis
6.4.1 Bargaining Power Of Suppliers
6.4.2 Threat Of New Entrants
6.4.3 Threat Of Substitutes
6.4.4 Bargaining Power Of Buyers
12.1 Dow Water & Process Solutions
12.2 Ge Water And Process Technologies Inc.
12.3 Veolia Environment S.A.
12.4 Ovivo Inc.
12.5 Pall Corporation
12.6 Microdyn-Nadir
12.7 Pentair PLC
12.8 Kurita Water Industries Ltd
12.9 Memstar Pte Ltd
12.10 Koch Membrane Systems
12.11 Hydranautics
12.12 Osmoflo
12.13 Evoqua Water Technologies
*Details Might Not Be Captured In Case Of Unlisted Companies
13 Appendix
13.1 Industry Experts

List of Tables

Table 1 Ultrapure Water Market, By End-Use Industry
Table 2 Ultrapure Water Market, By Application
Table 3 Ultrapure Water Market, By Equipment, Material, And Services
Table 4 Ultrapure Water Market: Different Technologies Used
Table 5 Ultrapure Water Market Size, By Equipment, Materials, And Services, 2015 - 2020 (USD Billion)
Table 6 Ultrapure Water Filtration Market Size, By Region, 2013 - 2020 (USD Million)
Table 7 Ultrapure Water Consumables Market Size, By Region, 2013 - 2020 (USD Million)
Table 8 Ultrapure Water Others Market Size, By Region, 2013 - 2020 (USD Million)
Table 9 Ultrapure Water Market Size, By Application, 2013 - 2020 (USD Billion)
Table 10 Ultrapure Water Market Size In Washing Fluid Application, By Region, 2013 - 2020 (USD Million)
Table 11 Ultrapure Water Market Size In Process Feed Application, By Region, 2013-2020 (USD Million)
Table 12 Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 13 Ultrapure Water Market Size In Semiconductors End-Use Industry By Region, 2013 - 2020 (USD Million)
Table 14 Ultrapure Water Market Size For Semiconductors, By Equipment, Materials, And Services, 2013 - 2020 (USD Million)
Table 15 Ultrapure Water Market Size In Coal Power, By Region, 2013 - 2020 (USD Million)
Table 16 Ultrapure Water Market Size For Coal Power, By Equipment, Materials, And Services, 2013 - 2020 (USD Million)
Table 17 Ultrapure Water Market Size For Flat Panel Display, By Region, 2013 - 2020 (USD Million)
Table 18 Ultrapure Water Market Size For Flat Panel Display, By Equipment, Materials, And Services 2013 - 2020 (USD Million)
Table 19 Ultrapure Water Market Size For Pharmaceutical Segment, By Region, 2013 - 2020 (USD Million)
Table 20 Ultrapure Water Market Size For Pharmaceutical Industry, By Equipment, Materials, And Services, 2013 - 2020 (USD Million)
Table 21 Ultrapure Water Market Size For Gas Turbine Power, By Region, 2013 - 2020 (USD Million)
Table 22 Ultrapure Water Market Size For Pharmaceutical Industry, By Equipment, Materials, And Services, 2013 - 2020 (USD Million)
Table 23 Ultrapure Water Market Size For Other Industries, By Region 2013 - 2020 (USD Million)
Table 24 Ultrapure Water Market Size For Other Industries, By Equipment, Materials, And Services, 2013 - 2020 (USD Million)
Table 25 Ultrapure Water Market Size, By Region, 2013 - 2020 (USD Million)
Table 26 Asia-Pacific: Ultrapure Water Market Size, By Country, 2013 - 2020 (USD Million)
Table 27 Asia-Pacific: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 28 Asia-Pacific: Ultrapure Water Market Size, By Application, 2013 - 2020 (USD Billion)
Table 29 Asia-Pacific: Ultrapure Water Market Size, By Equipment Materials, And Services, 2013 - 2020 (Million)
Table 30 China: Ultrapure Water Market Size, By End-Use Industry 2013 - 2020 (USD Million)
Table 31 Taiwan: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 32 South Korea: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 33 Japan: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 34 India: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 35 Australia: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 36 Rest Of Asia-Pacific: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 37 North America: Ultrapure Water Market Size, By Country, 2013 - 2020 (USD Million)
Table 38 North America: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 39 North America: Ultrapure Water Market Size, By Application, 2013 - 2020 (USD Million)
Table 40 North America: Ultrapure Water Market Size, By Equipment Materials, Andservices, 2013 - 2020 (USD Million)
Table 41 U.S.: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 42 Canada: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 43 Mexico: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 44 Europe: Ultrapure Water Market Size, By Country, 2013 - 2020 (USD Million)
Table 45 Europe: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 46 Europe: Ultrapure Water Market Size, By Application, 2013 - 2020 (USD Million)
Table 47 Europe: Ultrapure Water Market Size, By Equipment Materials, And Services, 2013 - 2020 (USD Million)
Table 48 Germany: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 49 U.K.: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 50 France: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 51 Italy: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 52 Russia: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 53 Rest Of Europe: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 54 Latin America: Ultrapure Water Market Size, By Country, 2013 - 2020 (USD Million)
Table 55 North America: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 56 Latin America: Ultrapure Water Market Size, By Application, 2013 - 2020 (USD Million)
Table 57 North America: Ultrapure Water Market Size, By Equipment Materials, And Services, 2013 - 2020 (USD Million)
Table 58 Brazil: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 59 Argentina: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 60 Rest Of Latin America: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 61 Middle East & Africa: Ultrapure Water Market Size, By Country, 2013 - 2020 (USD Million)
Table 62 Middle East & Africa: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 63 Middle East & Africa: Ultrapure Water Market Size, By Equipment Materials, And Services, 2013 - 2020 (USD Million)
Table 64 Middle East & Africa: Ultrapure Water Market Size, By Application, 2013 - 2020 (USD Million)
Table 65 Saudi Arabia: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 66 South Africa: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 67 Rest Of Middle East & Africa: Ultrapure Water Market Size, By End-Use Industry, 2013 - 2020 (USD Million)
Table 68 Ultrapure Water Market: Expansions
Table 69 Ultrapure Water Market: New Product Launches
Table 70 Ultrapure Water Market: Contracts And Agreements
Table 71 Ultrapure Water Market: Mergers And Acquisitions
Table 72 Ultrapure Water Market: Collaborations
Table 73 Ultrapure Water Market: Divestment
Table 74 Dow Water & Process Solutions: Products & Services Offered
Table 75 Dow Water & Process Solutions: Recent Developments
Table 76 Ge Water And Process Technologies Inc.: Products & Services Offered
Table 77 Ge Water And Process Technologies Inc.: Recent Developments
Table 78 Veolia Environment S.A.: Products & Services Offered
Table 79 Veolia Environment S.A.: Recent Developments
Table 80 Ovivo Inc.: Products & Services Offered
Table 81 Ovivo Inc.: Recent Developments
Table 82 Pall Corporation: Products & Services Offered
Table 83 Pall Corporation: Recent Developments
Table 84 Microdyn-Nadir: Products & Services Offered
Table 85 Microdyn-Nadir: Recent Developments
Table 86 Pentair PLC: Products & Services Offered
Table 87 Pentair PLC: Recent Developments
Table 88 Kurita Water Industries: Products & Services Offered
Table 89 Kurita Water Industries: Recent Developments
Table 90 Memstar Pte Ltd: Products & Services Offered
Table 91 Koch Membrane Systems: Products & Services Offered
Table 92 Koch Membrane Systems: Recent Developments
Table 93 Hydranautics: Products & Services Offered
Table 94 Osmoflo: Products & Services Offered
Table 95: Evoqua Water Technologies: Products & Services Offered
Table 96: Evoqua Water Technologies: Recent Developments

List of Figures

Figure 1: Ultrapure Water Market: Research Design
Figure 2: Market Size Estimation: Top-Down Approach
Figure 3: Market Size Estimation: Bottom-Up Approach
Figure 4: Data Triangulation Methodology
Figure 5: Semiconductors and Coal Fired Power Applications Set To Drive The Global Ultrapure Water Market
Figure 6: Ultrapure Water Market Size, By End-Use Industries
Figure 7: Asia-Pacific To Witness Fastest Growth In The Ultrapure Water Market
Figure 8: Asia-Pacific Is Projected To Have The Highest Growth Potential In The Ultrapure Water Market
Figure 9: Ultrapure Water Market Projected To Register High Growth Between 2015 And 2020
Figure 10: Semiconductors Industry Projected To Witness The Highest CAGR In 2015 - 2020
Figure 11: Asia-Pacific Captured The Largest Share Of The Global Ultrapure Water Market
Figure 12: China Projected To Register The Highest CAGR During The Forecast Period
Figure 13: Semiconductors Will Contribute Major Share For The Market Between 2015 To 2020
Figure 14: China Expected To Be Most Lucrative Market During The Forecast Period, 2015 - 2020
Figure 15: Asia-Pacific Expected To Have Highest Growth Potential In The Market
Figure 16: Drivers, Restraints, Opportunities, And Challenges In The Ultrapure Water Market
Figure 17: Ultrapure Water Treatment Process Overview
Figure 18: Porter’S Five Forces Analysis
Figure 19: Consumables/Aftermarket Segment To Register Highest CAGR Between 2015 And 2020
Figure 20: Asia-Pacific To Drive Growth Of Ultrapure Water Market In Filtration Segment
Figure 21: Asia-Pacific With High Industrial Output To Drive Demand For Consumables In Ultrapure Water Market (2015-2020)
Figure 22: Asia-Pacific With High Rate Of Outsourced Operations Is Projected To Lead The Others Segment (2015-2020)
Figure 23: Washing Fluid Application Accounts For Lion Share Of Ultrapure Water Market
Figure 24: Increased Demand From Asia-Pacific Boosting The Growth Of Ultrapure Water As A Washing Fluid (2015 - 2020)
Figure 25: Increased Energy Demand Driving The Growth Of Ultrapure Water As A Process Feed Fluid In Asia-Pacific (2015 - 2020)
Figure 26: Semiconductors End-Use Industry Segment To Witness Highest Growth During Forecast Period
Figure 27: Asia-Pacific Market Expected To Witness Fastest Growth Rate In Semiconductors End-Use Industry Between 2015 And 2020
Figure 28: Ultrapure Water Market In Coal Fired Power Industry To Be Dominated By Asia Pacific, 2015 Vs. 2020
Figure 29: Asia-Pacific To Witness Fastest Growth In Ultrapure Water Market
Figure 30: Asia-Pacific Projected To Witness Highest CAGR Between 2015 And 2020
Figure 31: Asia-Pacific To Drive The Ultrapure Water Market In Gas Turbine Power Industry
Figure 32: Asia-Pacific Is The Fastest-Growing Market In Other End-Use Industries Segment
Figure 33: Developing Regions Are Expected To Emerge As New Strategic Locations
Figure 34: Ultrapure Water Market In Asia-Pacific Is Expected To Register The Highest Growth Potential
Figure 35: China Is The Most Lucrative Market In Asia-Pacific In 2014
Figure 36: The U.S. Is The Largest And Fastest-Growing Market In North America By 2014
Figure 37: Germany Is Expected To Register The Highest Growth In The Ultrapure Water Market In Europe By 2020
Figure 38: Brazil Is Supporting The Growth Of Ultrapure Water Market In Latin America
Figure 39: Saudi Arabia Is The Largest And The Fastest-Growing Market In The Middle East & Africa By 2014
Figure 40: Key Growth Strategies In Ultrapure Water Market, 2011 - 2015
Figure 41: Companies Primarily Adopted Organic Growth Strategies Over The Last Three Years (2012-2015)
Figure 42: Ultrapure Water Market: Year Wise Developmental Share, 2011 - 2015
Figure 43: Ultrapure Water: Growth Strategies, By Region, 2011 - 2015
Figure 44: Regional Revenue Mix Of Top Five Market Players In Top Three Regions
Figure 45: Dow Water & Process Solutions: Business Overview
Figure 46: Dow Water & Process Solutions: Swot Analysis
Figure 47: Ge Water And Process Technologies Inc.: Business Overview
Figure 48: Ge Water And Process Technologies: Swot Analysis
Figure 49: Veolia Environment S.A.: Business Overview
Figure 50: Veolia Environment S.A.: Swot Analysis
Figure 51: Ovivo Inc.: Business Overview
Figure 52 Ovivo Inc.: Swot Analysis
Figure 53 Pall Corporation: Business Overview
Figure 54 Pall Corporation: Swot Analysis
Figure 55 Pentair PLC: Business Overview
Figure 56 Kurita Water Industries: Business Overview
Figure 57 Memstar Pte Ltd: Business Overview
Figure 58 Koch Membrane Systems: Swot Analysis

Ordering:
Order Online - http://www.researchandmarkets.com/reports/3608016/
Order by Fax - using the form below
Order by Post - print the order form below and send to
Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit
http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Ultrapure Water Market by Equipment, Materials & Services, by Application, by End Use Industry & by Region - Global Trends & Forecast to 2020
Web Address: http://www.researchandmarkets.com/reports/3608016/
Office Code: SCBRFI79

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single User:</td>
<td>USD 5650</td>
</tr>
<tr>
<td>1 - 5 Users:</td>
<td>USD 6650</td>
</tr>
<tr>
<td>Site License:</td>
<td>USD 8150</td>
</tr>
<tr>
<td>EnterpriseWide:</td>
<td>USD 10000</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title:                   Mr  Mrs  Dr  Miss  Ms  Prof
First Name:              ____________________________     Last Name: ____________________________
Email Address: *          ____________________________
Job Title:               ____________________________
Organisation:            ____________________________
Address:                 ____________________________
City:                    ____________________________
Postal / Zip Code:       ____________________________
Country:                 ____________________________
Phone Number:            ____________________________
Fax Number:              ____________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:

Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World