

Ultrapure Water Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/U4E637E3F73FEN.html>

Date: October 2023

Pages: 149

Price: US\$ 2,499.00 (Single User License)

ID: U4E637E3F73FEN

Abstracts

Market Overview:

The global ultrapure water market size reached US\$ 8.2 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 13.4 Billion by 2028, exhibiting a growth rate (CAGR) of 8.22% during 2023-2028.

Ultrapure water (UPW), or high-purity water (HPW) or highly purified water (HPW), refers to water that has been purified to extremely strict standards to make it contaminant-free. A severe adherence to these standards is maintained throughout the purification process. The stringent adherence to strict limitations or specifications concerning biological organisms like pyrogens, bacteria, and viruses, organic carbon, dissolved and suspended solids, and dissolved gases is required to be maintained. In industrial applications, ultrapure water is suitable for use as a solvent. As a result, ultrapure water is used in medical applications, such as formulating drugs, medical supplies, surgery and therapeutic procedures. In addition to this, it is also used in the manufacturing processes for electronics and pharmaceuticals.

Ultrapure Water Market Trends:

The market is majorly driven by the augmenting product demand for cleaning small and minute electronic equipment, including semiconductors and wafers. This can be attributed to the rapid utilization of UPW as process feed and washing fluids in a variety of end-use sectors. In addition to this, the increasing adoption of cleanroom practices in molecular science is providing an impetus to the market. Moreover, a considerable rise in the installations of supercritical and ultra-supercritical coal power plants is creating

lucrative market growth opportunities. The market is further propelled by the growing adoption of ultrapure water in various applications of the nanoscience industry. Apart from this, the increasing demand for UPW as a raw material in drug synthesis and cleaning is resulting in a higher product uptake in the medical sector. Some of the other factors contributing to the market include the growing investments in wafer washing, continual technological advancements, such as membrane distillation (MD), and extensive research and development (R&D) activities.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global ultrapure water market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on materials and services, application and end use industry.

Breakup by Materials and Services:

Filtration

Consumables/Aftermarket

Others

Breakup by Application:

Washing Fluid

Process Feed

Breakup by End Use Industry:

Semiconductor

Pharmaceuticals

Power Generation

Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Applied Membranes Inc., Asahi Kasei Corporation, Dupont De Nemours Inc., Evoqua Water Technologies, Komal Water Industries, Kurita Water Industries Ltd., MANN+HUMMEL Water & Fluid Solutions GmbH, Organo Corporation, Pall Corporation (Danaher Corporation), Pentair plc and RODI Systems Corporation.

Key Questions Answered in This Report

1. How big is the global ultrapure water market?
2. What is the expected growth rate of the global ultrapure water market during 2023-2028?
3. What are the key factors driving the global ultrapure water market?
4. What has been the impact of COVID-19 on the global ultrapure water market?
5. What is the breakup of the global ultrapure water market based on the materials and services?
6. What is the breakup of the global ultrapure water market based on the application?
7. What is the breakup of the global ultrapure water market based on the end use industry?

8. What are the key regions in the global ultrapure water market?

9. Who are the key players/companies in the global ultrapure water market?

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