

Global CO2 Bubbler for Ultrapure Water Market Growth 2022-2028

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Abstracts

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In the semiconductor element manufacturing process, the most frequent processing step is exactly that wafer cleans. The purpose that wafer cleans is exactly organic compound, metallic impurity or the particulate that is attached on the wafer surface in order to remove. In cleaning process, use highly purified washed with de-ionized water wafer in a large number, the deionized water purity of cleaning usefulness is high more, and the impurity in the water is just few more, and is just more little to the infringement that semi-conductor chip brings. Therefore, make the field at semi-conductor chip, normally used deionized water purity is all very high, and its resistivity even reaches more than the 18M Ω cm generally all more than 15M Ω cm. But resistivity is high more, and its conductivity is just poor more, with resistivity so high deionized water come clean wafers to be easy to produce static in wafer surface, thus, cause problems such as electrostatic breakdown to components and parts, the pollution of particulate electrostatic adhesion. For addressing this problem, a kind of method commonly used is to add carbonic acid gas in the deionized water of high resistivity, the hydrogen ion, carbonate and the bicarbonate ion that utilize the reaction of carbonic acid gas and water to produce reduce the deionization resistivity of water, thereby, prevent that deionized water from producing static in cleaning process. This deionized water that has added carbonic acid gas is used for cleaning, and after the oven dry, the carbonic acid gas that is dissolved in the water can all be evaporated again, therefore can not produce new pollutant because of adding carbonic acid gas being cleaned article surface.

The ultra-pure water antistatic device causes low secondary pollution to the deionized water, has stable resistivity in water production and high dissolution efficiency of carbon

dioxide gas, and is compact in structure.

The global market for CO2 Bubbler for Ultrapure Water is estimated to increase from US\$ million in 2021 to reach US\$ million by 2028, exhibiting a CAGR of % during 2022-2028. Keeping in mind the uncertainties of COVID-19 and Russia-Ukraine War, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

The APAC CO2 Bubbler for Ultrapure Water market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The United States CO2 Bubbler for Ultrapure Water market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The Europe CO2 Bubbler for Ultrapure Water market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The China CO2 Bubbler for Ultrapure Water market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

Global key CO2 Bubbler for Ultrapure Water players cover DIC Corporation, NGK Insulators, Nomura Micro Science, AVVA R&D Corporation and Advanced Dicing Technologies (ADT), etc. In terms of revenue, the global largest two companies occupy a share nearly % in 2021.

Report Coverage

This latest report provides a deep insight into the global CO2 Bubbler for Ultrapure Water market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, value chain analysis, etc.

This report aims to provide a comprehensive picture of the global CO2 Bubbler for Ultrapure Water market, with both quantitative and qualitative data, to help readers understand how the CO2 Bubbler for Ultrapure Water market scenario changed across the globe during the pandemic and Russia-Ukraine War.

The base year considered for analyses is 2021, while the market estimates and

forecasts are given from 2022 to 2028. The market estimates are provided in terms of revenue in USD millions and volume in Units.

Market Segmentation:

The study segments the CO2 Bubbler for Ultrapure Water market and forecasts the market size by Type (Cabinet Type and Rack type,), by Application (Semiconductor, Flat Panel Display (FPD) and Others,), and region (APAC, Americas, Europe, and Middle East & Africa).

Segmentation by type

- Cabinet Type

- Rack type

Segmentation by application

- Semiconductor

- Flat Panel Display (FPD)

- Others

Segmentation by region

- Americas

 - United States

 - Canada

 - Mexico

 - Brazil

- APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

Major companies covered

DIC Corporation

NGK Insulators

Nomura Micro Science

AVVA R&D Corporation

Advanced Dicing Technologies (ADT)

DISCO Corporation

AIRRANE

Suzhou SLD Electronic

Suzhou Ruize

Shenzhen Ultrapure Environmental Technology

Shenzhen ELKPURE Environmental Technology

Chapter Introduction

Chapter 1: Scope of CO2 Bubbler for Ultrapure Water, Research Methodology, etc.

Chapter 2: Executive Summary, global CO2 Bubbler for Ultrapure Water market size (sales and revenue) and CAGR, CO2 Bubbler for Ultrapure Water market size by region, by type, by application, historical data from 2017 to 2022, and forecast to 2028.

Chapter 3: CO2 Bubbler for Ultrapure Water sales, revenue, average price, global market share, and industry ranking by company, 2017-2022

Chapter 4: Global CO2 Bubbler for Ultrapure Water sales and revenue by region and by country. Country specific data and market value analysis for the U.S., Canada, Europe, China, Japan, South Korea, Southeast Asia, India, Latin America and Middle East & Africa.

Chapter 5, 6, 7, 8: Americas, APAC, Europe, Middle East & Africa, sales segment by country, by type, and type.

Chapter 9: Analysis of the current market trends, market forecast, opportunities and economic trends that are affecting the future marketplace

Chapter 10: Manufacturing cost structure analysis

Chapter 11: Sales channel, distributors, and customers

Chapter 12: Global CO2 Bubbler for Ultrapure Water market size forecast by region, by country, by type, and application.

Chapter 13: Comprehensive company profiles of the leading players, including DIC Corporation, NGK Insulators, Nomura Micro Science, AVVA R&D Corporation, Advanced Dicing Technologies (ADT), DISCO Corporation, AIRRANE, Suzhou SLD Electronic and Suzhou Ruize, etc.

Chapter 14: Research Findings and Conclusion

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