

# Zero Liquid Discharge Systems Market Growth Sturdy at 10.9% CAGR to Outstrip \$4.8 billion by 2028

*The Zero Liquid Discharge Systems Market report by "The Insight Partners" entails detailed information regarding the dynamics affecting market valuation.*

NEW YORK, UNITED STATES, October 19, 2022 /EINPresswire.com/ -- According to our latest market study on "[Zero Liquid Discharge Systems Market](#) Forecast to 2028 - Covid-19 Impact and Global Analysis - by System (Conventional Zero Liquid Discharge Systems, Hybrid Zero Liquid Discharge Systems); Process (Pretreatment, Filtration, Evaporation, Crystallization); End-Use Industry (Energy and Power, Chemicals and Petrochemicals, Food and Beverages, Textiles, Pharmaceuticals, Semiconductors and Electronics, Others) and Geography"

The zero liquid discharge systems market was valued US\$ 2.1 billion in 2021, it is estimated to grow at a CAGR of 10.9% between 2021 and 2028.

A zero liquid discharge (ZLD) system aims at removing all the liquid waste, leaving zero discharge of any industrial or toxic waste at the end. The focus of zero liquid discharge systems is on recycling wastewater economically, thus, saving money and benefitting the environment. Another important application of zero liquid discharge systems is the potential to recover resources that may be present in wastewater. Zero liquid discharge is a strategic wastewater treatment process that consists of reverse osmosis, fractional electrode ionization, and ultrafiltration. Water scarcity, water economics, and environmental regulations are among the factors that encourage the use of zero liquid discharge systems.

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Companies Profiled in this report includes: Aquarion AG, Aquatech International LLC, GE Water & Process Technologies, GEA Group AG, H2o GmbH, Ide Technologies, Petro Sep Corporation, Praj Industries Ltd., U.S. Water Services, Inc., Veolia Water Technologies

## MARKET DYNAMICS

Improvements in the quality of zero liquid discharge systems, implementation of stringent environmental regulations, and water scarcity across the globe are driving the market. However, the high cost of installation and operation of zero liquid discharge systems is restricting the

market growth. On the other hand, the increasing concern over the disposal of toxic brine concentrates into oceans is likely to showcase growth opportunities for the zero liquid discharge systems market during the forecast period.

## MARKET SEGMENTATION

The global zero liquid discharge systems market is segmented based on system, process, and end-use industry. Based on system, the market is segmented into conventional zero liquid discharge systems and hybrid zero liquid discharge systems. In terms of process, the market is segmented into pretreatment, filtration, evaporation, and crystallization. Based on end-use industry, the market is segmented into energy & power, chemicals & petrochemicals, food & beverages, textiles, pharmaceuticals, semiconductors & electronics, and others.

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## IMPACT OF COVID-19 PANDEMIC

The COVID-19 pandemic has critically impacted the public health as well as the global economy. Converging evidence from the pandemic, previous outbreaks and controlled experiments indicate that the virus is present in wastewater for several days, which can lead to potential health risks through aerosolized and waterborne wastewater pathways. Currently, the leading manufacturers of Zero Liquid Discharge (ZLD) Systems are implementing strategic initiatives and technologically advanced production processes to increase production efficacy and optimize their product offerings.

## MARKET PLAYERS

The reports cover key developments in the zero liquid discharge systems market as well as the organic and inorganic growth strategies. Various companies are focusing on organic growth strategies such as product launches, product approvals, and patents and events. Inorganic growth strategies witnessed in the market were acquisitions and partnerships & collaborations. These activities have paved the way for the expansion of business and the customer base of market players. The market players are anticipated to have lucrative growth opportunities in the future with the rising demand for zero liquid discharge systems. Below mentioned is the list of a few companies engaged in the zero liquid discharge systems market.

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