

Global Cryogenic Valve Market Size study & Forecast, by Product Type (Ball Valve, Check Valve, Gate Valve, Globe Valve, Other Product Types), by Gas (Liquid Nitrogen, Liquid Helium, Hydrogen, Oxygen, Other Gases), by End-user Industry (Chemicals, Oil and Gas, Energy and Power, Food and Beverage, Medical, Other End-user Industries) and Regional Analysis, 2023-2030

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Abstracts

Global Cryogenic Valve Market is valued at approximately USD XXX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. Cryogenic valve is a type of valve specifically designed to handle extremely low temperatures, typically below -150 degrees Celsius (-238 degrees Fahrenheit). These valves are used in various industries and applications where cryogenic fluids, such as liquefied natural gas (LNG), liquid nitrogen, or liquid oxygen, need to be controlled or contained. Cryogenic valves are constructed with materials that can withstand low temperatures and maintain their structural integrity. Common materials used for cryogenic valves include stainless steel, brass, bronze, or other alloys with low thermal conductivity. The key factor such as rising demand for industrial gases, growing trade for LNG, and rising demand from chemical industry are anticipated to support the market growth during forecast period.

Moreover, the growing demand for industrial gas has a positive impact on the market growth. According to Statista, in 2021, the size of industrial gas market worldwide was USD 93.7 billion and it increased significantly and reached USD 129.1 billion by 2027. As a result, the growing industrial gas market is anticipated to support the market

growth. Additionally, rise in the energy demand and growing advancement in cryogenic valves is anticipated to create lucrative opportunities for the market during forecast period. However, the operational safety associated with liquid gases and high operation and maintenance cost stifle market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Cryogenic Valve Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the presence of key market players, rising demand for LNG based power plants, growing power industry and rising investments in the oil & gas industry in the region. Asia Pacific is expected to grow significantly during the forecast period, owing to factors such as growing energy demand from gas-based power plants, due to depleting energy resources and strict rules for emissions that fuel the demand for the valves in the region. With massive plans to enhance its hydrogen infrastructure, the installation of advanced air separation plants, and the ongoing development of new research facilities, China has been the undisputed leader in this region

Major market players included in this report are:

Schlumberger (U.S.)

Flowserve Corp. (U.S.)

Baker Hughes (U.S.)

Emerson Electric Co. (U.S.)

Neles Corp. (Finland)

KITZ Corporation (Japan)

Cryostar GmbH (France)

Bray International (U.S.)

HEROSE GmbH (Germany)

Cryocomp (U.S.)

Recent Developments in the Market:

In Oct. 2021, The Valtek Multi Z Anti cavitation control valve was launched by Flowserve Corporation, one of the major manufacturers of industrial and environmental equipment, to prevent cavitation in high-pressure drop conditions.

Global Cryogenic Valve Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Product Type, Gas, End-user Industry, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product Type:

Ball Valve

Check Valve

Gate Valve

Globe Valve

Other Product Types

By Gas:

Liquid Nitrogen

Liquid Helium

Hydrogen

Oxygen

Other Gases

By End-user Industry:

Chemicals

Oil and Gas

Energy and Power

Food and Beverage

Medical

Other End-user Industries

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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