

# **Sealless Centrifugal Pumps Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented, By Pump Type (Magnetic Drive Pumps, Canned Motor Pumps), By End-User Industry (Chemical Processing, Oil & Gas, Water & Wastewater Treatment, Food & Beverage, Pharmaceutical), By Material (Metallic, Non-Metallic), By Region, By Competition, 2020-2030F**

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## **Abstracts**

### **Market Overview**

The Sealless Centrifugal Pumps Market was valued at USD 11.37 Billion in 2024 and is projected to reach USD 18.63 Billion by 2030, growing at a CAGR of 8.42%. This market focuses on the global production and application of centrifugal pumps that function without dynamic shaft seals, relying on hermetically sealed designs through magnetic coupling or canned motor technologies. These configurations eliminate the risk of fluid leakage, enhancing safety and environmental compliance—especially in applications handling hazardous, corrosive, or valuable fluids. Sealless pumps offer reduced maintenance, increased reliability, and longer equipment life, making them highly attractive across sectors such as chemicals, pharmaceuticals, oil and gas, and power generation. As industrial regulations tighten and demand for leak-proof, low-maintenance, and high-performance pumping solutions grows, the adoption of sealless centrifugal pumps is expected to expand globally.

### **Key Market Drivers**

## Rising Demand for Leak-Free Pumping Solutions in Hazardous and Corrosive Applications

The need for safer and environmentally compliant fluid handling systems is propelling the adoption of sealless centrifugal pumps. Industries like chemicals, pharmaceuticals, and oil & gas face significant risks from leakage in traditional pumps, especially when dealing with toxic, corrosive, or high-value fluids. Sealless designs—using magnetic drive or canned motor technology—eliminate dynamic seals and thus leakage risk, offering a robust solution for high-integrity operations. Regulatory pressures from entities such as the EPA, OSHA, and ECHA are reinforcing the transition toward leak-free systems. In addition, the potential legal and financial consequences of leaks have led companies to prioritize investments in safer technologies. Sealless pumps also minimize downtime and maintenance, offering long-term cost advantages that enhance their appeal in critical applications where safety and process integrity are paramount.

### Key Market Challenges

#### High Initial Capital and Installation Costs Limiting Widespread Adoption

Despite their operational benefits, sealless centrifugal pumps come with significant upfront costs, making them less accessible to budget-conscious buyers, especially SMEs. The inclusion of specialized components like rare earth magnets and advanced motor systems increases procurement costs. Installation can also be complex, often requiring system retrofitting and integration with control infrastructure. This complexity adds to both project timelines and capital expenditure, deterring broader adoption—particularly in developing regions or industries where conventional sealed pumps still appear more economically viable. Furthermore, a lack of technical awareness and expertise in assessing long-term cost savings versus immediate investment perpetuates a cautious approach among end-users, slowing overall market penetration despite the clear performance advantages.

### Key Market Trends

#### Integration of Smart Technologies and Predictive Maintenance

The increasing adoption of smart technology is transforming the sealless centrifugal pump landscape. Equipped with IoT-enabled sensors, these pumps now offer real-time monitoring of performance indicators such as pressure, temperature, and flow rate. This data enables predictive maintenance, reducing downtime by identifying wear or

performance deviations early. The integration of AI and machine learning further enhances pump efficiency, enabling performance optimization and energy management. These smart capabilities align with Industry 4.0 goals and are becoming a key differentiator in industrial equipment procurement. As a result, manufacturers are focusing on developing intelligent, connected pump systems that deliver both operational reliability and cost efficiency across sectors such as water treatment, chemicals, and pharmaceuticals.

## **Key Market Players**

Flowserve Corporation

ITT Inc.

Grundfos Holding A/S

EBARA CORPORATION

IWAKI CO., LTD.

KSB SE & Co. KGaA

DICKOW PUMPEN GmbH & Co. KG

Sundyne, LLC

Verder Group

Crane Company

## **Report Scope:**

In this report, the Global Sealless Centrifugal Pumps Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Sealless Centrifugal Pumps Market, By Pump Type:

Magnetic Drive Pumps

Canned Motor Pumps

Sealless Centrifugal Pumps Market, By End-User Industry:

Chemical Processing

Oil & Gas

Water & Wastewater Treatment

Food & Beverage

Pharmaceutical

Sealless Centrifugal Pumps Market, By Material:

Metallic

Non-Metallic

Sealless Centrifugal Pumps Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia-Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Kuwait

Turkey

## **Competitive Landscape**

*Sealless Centrifugal Pumps Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented,...*

Company Profiles: Detailed analysis of the major companies presents in the Global Sealless Centrifugal Pumps Market.

**Available Customizations:**

Global Sealless Centrifugal Pumps Market report with the given Market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

**Company Information**

Detailed analysis and profiling of additional Market players (up to five).

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