Centrifugal Pump Market Research Report: Information by Type (Overhung Impeller, Vertically Suspended, Between Bearing), Stage (Single and Multistage), End-User (Water & Wastewater, Oil & Gas, Chemical, Power), and Region – Global Forecast till 2023

Market Scenario

Centrifugal pump is a mechanical device designed to move liquid by means of the transfer of rotational energy through impellers. These types of pumps are mainly used for pumping water in the industrial and residential properties. They are also majorly used in agriculture sector, municipal water and wastewater plants, power generation plants, petroleum, and chemical industries, among others. Advantages of centrifugal pump include steady delivery, easy to operate, can be mounted horizontally or vertically, and it moves at high speeds with minimal maintenance.

Factors such as increasing urbanization and high focus on water conservation and waste water management would give rise to the demand for centrifugal pumps. Moreover, increasing infrastructure development would also drive the use of centrifugal pumps, especially, in industrial areas. For instance, according to India Brand Equity Foundation (IBEF), India would require an investment USD 777.53 billion in infrastructure by 2022, to ensure sustainable development in the country. This would in turn increase the demand for centrifugal pumps.

The global centrifugal pump market is projected to grow at a high rate during the forecast period, mainly due to increasing concern towards wastewater treatment and desalination. For instance, in December 2018, the US Department of Energy (DOE) stated that it plans to invest USD 100 million for energy water desalination hub. Further, industrial sector consumes a large volume of water, and due to depleting reserves of groundwater, the reuse of water has become an imperative. The governments across the world are focusing on the development of strict regulatory policy to build sustainable water systems including development of centralized systems for proper distribution and design of water treatment models. China, under the 13th Five-Year-Plan (2016-2020), has planned to invest around RMB 559 billion or 0.75 percent of its GDP on its water treatment industry.

Global centrifugal pump market has been segmented based on type, stage, end-user, and region. Based on type, the market is classified into overhung impeller, vertically suspended, and between-bearing. Vertically suspended is expected to be one of the leading markets during the forecast period due to advantages such as it used 75% less floor space compared to horizontal pumps with electric motor drives. Therefore, an increase in the demand for multistage pumps in commercial buildings, petroleum, oil & gas, and industrial process services are the major factors driving the market for vertically suspended centrifugal pumps. The global centrifugal pump market is further segmented based on end-user, including water & wastewater, oil & gas, chemical, power, and others. Water and wastewater segment of the global centrifugal pump market is estimated to register the highest growth rate during the forecast period.

The global centrifugal pump market is expected to grow at ~4.01% CAGR during the forecast period.

Market Segmentation
Global Centrifugal pump Market

Global centrifugal pump market is expected to witness substantial growth during the forecast period owing to growing investments in infrastructure and water & wastewater treatment plants globally. According to the governor of New York, in December 2018, the US is investing USD 27 million to upgrade the Niagara Falls Wastewater treatment plant. This investment would improve the primary treatment systems and equipment, upgrade the dewatering system which would require centrifugal pumps to pump water. Similarly, as per the Minister of Energy, Development, and Environmental Protection, Germany invested 2.5 million euros in 2013. Such investments in Europe, US, and other countries across the globe would drive the market for centrifugal pumps in water & wastewater treatment industry.

Key Players

The key players of global centrifugal pump market are Xylem (US), Grundfos (Denmark), Flowserve (US), KSB (Germany), Circor International (US), Sulzer (Switzerland), ITT Corporation (US), Wilo (Germany), Ebara Corporation (Japan), Pentair (US), Someflue (France), Baker Hughes, A GE Company (US), and Weir (UK).
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