

North America Chopper Pumps Market Forecast to 2030 - Regional Analysis - By Type (Submersible Chopper Pump, Cantilever Chopper Pump, Vertical Dry Pit Chopper Pump, Self-Priming Chopper Pump, End Suction Chopper Pump, and Vertical Wet Well Chopper Pump) and End User (Agriculture, Food and Beverages, Water and Wastewater Treatment Plant, Chemical and Petrochemical, and Others)

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Abstracts

The North America chopper pumps market is expected to grow from US\$ 257.22 million in 2022 to US\$ 372.99 million by 2030. It is estimated to grow at a CAGR of 4.8% from 2022 to 2030.

Growing Use of Chopper Pumps in Wastewater Treatment Drive North America Chopper Pumps Market

Volumes of wastewater have been gradually increasing over time with the rising population, developments in water supply, augmented living standards, and financial growth. Every year, ~380 billion m³ (cubic meters) of municipal wastewater is produced globally. The wastewater is mostly generated by households and industries. In addition, the volume of sewage is also rising in line with population growth. Wastewater and sewage contain toxic substances, harmful chemicals, and trash correlated with contemporary consumer lifestyles. Sewage carries microbial pollutants, plastic particles, and residues of medications that can pollute water and impact food security and human health. The issue is severe in heavily populated areas that lack treatment facilities. Governments of several countries are focusing on installing proper wastewater and sewage treatment facilities to protect the environment from pollution. For instance, in 2022, more than 16,000 public wastewater treatment systems were in the US. Over

80% of the US population takes their water from these drinking water systems, and about 75% of the US population has sanitary sewerage treated by these wastewater systems. The Environmental Protection Agency (EPA) controls the discharge and management of wastewater under the Clean Water Act (CWA) in the US. With strict policies for environmental pollution, municipal wastewater treatment operations are continuously evolving as they upgrade aging infrastructure and adapt to regulatory transformations. The growing need for pollution control and utilizing wastewater in a better way after treatment has been a major driving factor in the US. Major projects such as Noman Cole Treatment Plant Rehabilitation and Replacement, Walnut Creek WWTP Expansion to 100 MGD, South Country One Water Campus AWWTF, Cave Creek Water Reclamation Plant Rehabilitation, and FWRC Preliminary and Primary Treatment Improvements are serving the US states of Texas, Virginia, Florida, Nevada, and Arizona. The growing use of chopper pumps in water and wastewater treatment facilities and sewage management infrastructures is leading the market's growth.

North America Chopper Pumps Market Overview

Chopper pumps help reduce solids and other hard materials by leveraging the shredding system. The process prevents clogging of the pump and adjacent piping that helps in water drainage. The solids handling capacity of chopper pumps is significantly high, which drives their usage in different industrial sectors. The growing application of chopper pumps for pumping sewage and treating agricultural waste boosts demand for chopper pumps across North America. Environment regulations that establish norms for water and wastewater treatment guidelines also emphasize activities that lessen environmental pollution. Pumping crust at a sewage treatment plant, sewage wet wells, and lift stations is boosting the demand for chopper pumps across North America. Sludge pumping at biogas facilities, agricultural fertilizers, poultry processing plants, and marine product processing plants are major application areas of chopper pumps, which drive the market in North America.

North America Chopper Pumps Market Revenue and Forecast to 2030 (US\$ Million)

North America Chopper Pumps Market Segmentation

The North America chopper pumps market is segmented into type, end user, and country.

Based on type, the North America chopper pumps market is segmented into submersible chopper pump, cantilever chopper pump, vertical dry pit chopper pump, self-priming chopper pump, end suction chopper pump, and vertical wet well chopper pump. In 2022, the submersible chopper pump segment registered the largest share in the North America chopper pumps market.

Based on end-user, the North America chopper pumps market is segmented into agriculture, food and beverages, water and wastewater treatment plant, chemical and

petrochemical, and others. In 2022, the water and wastewater treatment plant segment registered the largest share in the North America chopper pumps market.

Based on country, the North America chopper pumps market is segmented into the US, Canada, Mexico. In 2022, the US registered the largest share in the North America chopper pumps market.

Cornell Pump Co; Crane Pumps & Systems Inc; Cri-Man SpA; EDDY Pump Corp; Landia AS; Sulzer Ltd; T-T Pumps Ltd; Vaughan Co Inc; WAMGROUP SpA; and Xylem Inc are some of the leading companies operating in the North America chopper pumps market.

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