

Global Desalination High-Pressure Booster Pump Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Desalination High-Pressure Booster Pump market size was valued at US\$ 905 million in 2025 and is forecast to a readjusted size of US\$ 1363 million by 2032 with a CAGR of 6.0% during review period.

In 2025, global Desalination High-Pressure Booster Pump production reached approximately 8,000 units, with an average global market price of around USD 110,000 per unit.

The gross profit margin of major companies in the industry was approximately 24%–40%.

In 2025, global production capacity was approximately 10,500 units.

A Desalination High-Pressure Booster Pump raises seawater pressure to the level required by reverse-osmosis membranes or increases pressure between desalination process stages. It uses corrosion-resistant materials and high-efficiency hydraulic designs for continuous saline-water operation. Products include centrifugal and positive-displacement configurations. The scope excludes low-pressure intake pumps, freshwater pumps, energy-recovery devices, chemical-dosing pumps, complete reverse-osmosis skids, and complete desalination plants.

The industrial chain includes upstream duplex stainless steel, super-austenitic alloys, impellers, shafts, bearings, seals, motors, variable-frequency drives, and sensors. Midstream covers hydraulic design, casting or forging, precision machining, pump

assembly, balancing, coating, pressure testing, and efficiency verification. Downstream applications include municipal desalination, industrial water treatment, offshore facilities, power plants, islands, and water-reuse projects.

Report Scope

This report is a detailed and comprehensive analysis for global Desalination High-Pressure Booster Pump market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Desalination High-Pressure Booster Pump market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Desalination High-Pressure Booster Pump market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Desalination High-Pressure Booster Pump market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Desalination High-Pressure Booster Pump market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Desalination High-Pressure Booster Pump

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Desalination High-Pressure Booster Pump market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Flowserve Corporation, Sulzer Ltd., KSB SE & Co. KGaA, Torishima Pump Mfg. Co., Ltd., Fluid Equipment Development Company, LLC, Energy Recovery, Inc., Grundfos Holding A/S, Danfoss A/S, Shanghai Kaiquan Pump Group Co., Ltd., Nanfang Pump Industry Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Desalination High-Pressure Booster Pump market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market Segmentation

Market segment by Type

Multistage Centrifugal Pumps

Positive Displacement Pumps

Axial Piston Pumps

Market segment by Drive Configuration

Direct Motor-driven Pumps

Variable-frequency Drive Pumps

Energy Recovery Device-integrated Pumps

Market segment by Rated Discharge Pressure

Low-pressure(≤ 4 MPa)

Medium-pressure($>4-7$ MPa)

High-pressure(>7 MPa)

Market segment by Application

Seawater Reverse Osmosis Plants

Brackish Water Desalination Plants

Offshore and Marine Desalination Systems

Other

Major players covered

Flowserve Corporation

Sulzer Ltd.

KSB SE & Co. KGaA

Torishima Pump Mfg. Co., Ltd.

Fluid Equipment Development Company, LLC

Energy Recovery, Inc.

Grundfos Holding A/S

Danfoss A/S

Shanghai Kaiquan Pump Group Co., Ltd.

Nanfang Pump Industry Co., Ltd.

Liancheng Group Co., Ltd.

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

Chapter Outline

Chapter 1, to describe Desalination High-Pressure Booster Pump product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Desalination High-Pressure Booster Pump, with price, sales quantity, revenue, and global market share of Desalination High-Pressure Booster Pump from 2021 to 2026.

Chapter 3, the Desalination High-Pressure Booster Pump competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed

emphatically by landscape contrast.

Chapter 4, the Desalination High-Pressure Booster Pump breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Desalination High-Pressure Booster Pump market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Desalination High-Pressure Booster Pump.

Chapter 14 and 15, to describe Desalination High-Pressure Booster Pump sales channel, distributors, customers, research findings and conclusion.

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