

Global Gas-Liquid Mixed-Conveying Vacuum Pump Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Gas-Liquid Mixed-Conveying Vacuum Pump market size is expected to reach \$ 419 million by 2032, rising at a market growth of 5.0% CAGR during the forecast period (2026-2032).

Gas-liquid mixed-conveying vacuum pumps are industrial pumps capable of simultaneously transporting gases, liquids, and media containing entrained foam or minor impurities under negative pressure or vacuum conditions. They typically utilize liquid-ring, vortex, self-priming centrifugal, screw, or side-channel designs to perform functions such as suction, gas-liquid separation, mixed-media transport, and system vacuum maintenance. Key applications include chemical reactions, food and beverage processing, pharmaceuticals, papermaking, environmental water treatment, vacuum degassing, condensate recovery, vacuum filtration, and the transfer of gas-laden liquids. In 2025, global sales volume reached approximately 328,000 units, with an average unit price of around \$850 and a global capacity utilization rate of approximately 72.5%. Upstream industry players include manufacturers of castings and stainless steel components, motors, mechanical seals, bearings, impellers and rotors, variable frequency drives (VFDs), control instruments, sealing materials, and precision machined parts. Downstream sectors comprise chemical companies, food and beverage plants, pharmaceutical firms, paper mills, environmental engineering companies, vacuum system integrators, semiconductor support facility providers, metallurgical enterprises, energy companies, and laboratory equipment manufacturers. The industry's average gross profit margin is approximately 32.8%. Regarding the cost structure, pump bodies and castings account for about 22%, motors and drive systems for 18%, impellers, rotors, and shaft components for 15%, and mechanical seals and bearings for 1%. ...0%; processing, assembly, and labor account for approximately 12%; control systems and sensors for 5%; inspection, testing, and quality control for 4%; surface and anti-

corrosion treatments for 4%; packaging, warehousing, and logistics for 5%; and other costs for 5%. The list of requirements covers chemical vacuum conveying, aerated liquid transfer, condensate recovery, vacuum degassing, vacuum filtration, food and beverage foam transfer, pharmaceutical clean conveying, environmental water treatment suction, papermaking white water circulation, and energy-saving upgrades for vacuum systems. Downstream clients include chemical plants, pharmaceutical manufacturers, dairy and beverage producers, breweries, paper mills, sewage treatment plants, environmental engineering firms, vacuum equipment integrators, energy and chemical enterprises, metallurgical companies, and equipment system providers. Drivers include policy mandates (industrial energy conservation and emission reduction, environmental governance, chemical safety, pharmaceutical and food hygiene standards, sewage treatment upgrades, and the localization of high-end equipment) and technological innovations (corrosion-resistant materials, low-noise structures, high-efficiency impellers, variable-frequency energy-saving controls, dry/wet dual-use seals, online monitoring, modular vacuum systems, and intelligent maintenance). Shifts in consumer demand reflect a transition from simple vacuum generation to a need for comprehensive equipment capable of stably handling gas-liquid mixtures while offering lower energy consumption, reduced maintenance, superior corrosion resistance, higher hygiene standards, and suitability for continuous production processes.

This report studies the global Gas-Liquid Mixed-Conveying Vacuum Pump production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Gas-Liquid Mixed-Conveying Vacuum Pump and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Gas-Liquid Mixed-Conveying Vacuum Pump that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Gas-Liquid Mixed-Conveying Vacuum Pump total production and demand, 2021-2032, (K Units)

Global Gas-Liquid Mixed-Conveying Vacuum Pump total production value, 2021-2032, (USD Million)

Global Gas-Liquid Mixed-Conveying Vacuum Pump production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Gas-Liquid Mixed-Conveying Vacuum Pump consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Gas-Liquid Mixed-Conveying Vacuum Pump domestic production, consumption, key domestic manufacturers and share

Global Gas-Liquid Mixed-Conveying Vacuum Pump production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Gas-Liquid Mixed-Conveying Vacuum Pump production by Ultimate Vacuum, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Gas-Liquid Mixed-Conveying Vacuum Pump production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Gas-Liquid Mixed-Conveying Vacuum Pump market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Iwaki Pumps (JP), Nikuni (JP), EDUR (DE), Blackmer (US), Zhejiang Nanyuan Pump Industry (CN), Jiangsu Feiyue Pump (CN), Xi'an Pump & Valve Plant (CN), Nantong Fleck Fluid Equipment (CN), Jiangsu Shuangxiang Pump Industry (CN), etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Gas-Liquid Mixed-Conveying Vacuum Pump market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Ultimate Vacuum, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Gas-Liquid Mixed-Conveying Vacuum Pump Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Gas-Liquid Mixed-Conveying Vacuum Pump Market, Segmentation by Ultimate Vacuum:

10 - 50 kPa

> 50 kPa

Global Gas-Liquid Mixed-Conveying Vacuum Pump Market, Segmentation by Working Principle:

Liquid Ring

Jet Pump / Ejector

Rotary Vane

Global Gas-Liquid Mixed-Conveying Vacuum Pump Market, Segmentation by Structural Form:

Single-stage

Two-stage

Multi-stage

Global Gas-Liquid Mixed-Conveying Vacuum Pump Market, Segmentation by Application:

Chemicals

Pharmaceuticals

Food

Pulp, Paper, and Textiles

Water Treatment

Others

Companies Profiled:

Iwaki Pumps (JP)

Nikuni (JP)

EDUR (DE)

Blackmer (US)

Zhejiang Nanyuan Pump Industry (CN)

Jiangsu Feiyue Pump (CN)

Xi'an Pump & Valve Plant (CN)

Nantong Fleck Fluid Equipment (CN)

Jiangsu Shuangxiang Pump Industry (CN)

Key Questions Answered:

1. How big is the global Gas-Liquid Mixed-Conveying Vacuum Pump market?
2. What is the demand of the global Gas-Liquid Mixed-Conveying Vacuum Pump market?
3. What is the year over year growth of the global Gas-Liquid Mixed-Conveying Vacuum Pump market?
4. What is the production and production value of the global Gas-Liquid Mixed-Conveying Vacuum Pump market?
5. Who are the key producers in the global Gas-Liquid Mixed-Conveying Vacuum Pump market?
6. What are the growth factors driving the market demand?

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