



嘉和科技
JIAHE SCIENCE & TECHNOLOGY



JHB 高效智能泵

JHB High Efficiency Intelligent Pump

昆明嘉和科技股份有限公司

KUNMING JIAHE SCIENCE & TECHNOLOGY CO.,LTD



公司概况

COMPANY OVERVIEW

昆明嘉和科技股份有限公司总部位于中国（云南）自由贸易试验区，是国内先进的特种工业泵系统解决方案提供商，深耕特泵行业近 30 年，服务硫磷化工、有色冶炼、石油化工和煤化工等领域，为客户提供具有国内领先水平的高端泵类装备。

公司以做中国最优秀的特泵提供商为主体，工业服务整体解决方案和工业节能整体解决方案为两翼，形成定制化高效智能泵、智慧节能和智慧运维三大核心业务板块。公司结合全球高端泵领先技术，不断优化产品结构，提升产品品质，在实现“以国代进”的同时，与欧洲、北美洲、南美洲、非洲、南亚东南亚等 30 多个国家及地区建立良好合作关系。我们始终践行“以卓越的技术和服务参与建设更美好的世界”的使命，创建祥和、共赢的百年嘉和！

Kunming Jiahe Science & Technology Co.,Ltd.headquartered in the China (Yunnan) Pilot Free Trade Zone, is an advanced provider of systematic solutions for special industrial pumps in China. It has been deeply engaged in the special pump industry for nearly 30 years, serving the fields of sulfur and phosphorus chemical industry, nonferrous metallurgy, petrochemical industry, and coal chemical industry, providing customers with state-of-the-art equipment. The company focuses on being the most excellent pump provider in China, with integrated industrial service solutions and integrated industrial energy conservation solutions as its two wings, forming three core business segments: customized efficient intelligent pumps, intelligent energy conservation, and intelligent operation and maintenance. Combining the leading technology of global high-end pumps, the company continuously optimizes its product structure and improves product quality. While realizing the goal of "Replacing imports with domestic products", it has established good cooperative relationships with more than 30 countries and regions, such as Europe, North America, South America, Africa, South Asia and Southeast Asia. We always practice the mission of "participating in building a better world with excellent technology and services", and create a harmonious and win-win century of Jiahe!





产品概述

PRODUCT OVERVIEW

JHB 泵为单级、单吸、轴向吸入径向剖分液下离心泵。适于硫酸生产中干燥和吸收循环系统及成品浓硫酸的输送，用于输送温度 $\leq 120^{\circ}\text{C}$ ，浓度为 93%~98% 浓硫酸或 $\geq 105^{\circ}\text{C}$ 发烟酸。

JHB pump is a single-stage, single-suction, axial suction radially dissected submerged centrifugal pump. It is suitable for the drying and absorption circulation system in sulfuric acid production and the transportation of finished concentrated sulfuric acid with concentration of 93%~98%, or fuming acid with temperature $\leq 120^{\circ}\text{C}$ and $\geq 105^{\circ}\text{C}$.

为更好地践行“碳达峰、碳中和”国家发展战略，以工业互联网赋能能源管理及设备管理，公司研发团队吸收用户及行业专家在硫酸装置应用实践的经验，采用西门子的研发软件，联合浙江理工大学等高校，采用高效流体输送技术、智能传感技术开发了新一代高效智能高温浓硫酸液下泵，旨在为用户实现价值：

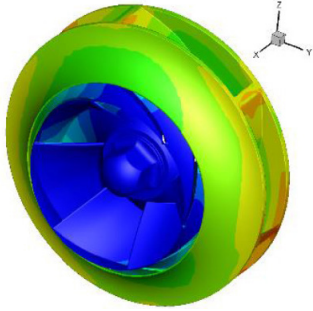
In order to better implement the national development strategy of "carbon emission peak, carbon neutrality", and to empower energy management and equipment management with the industrial internet, the company's R&D team has absorbed the practical experience of users and industry experts in the application of sulfuric acid plants, adopted the R&D software of Siemens, combined with Zhejiang Sci-Tech University and other institutes, developed a new generation of efficient and intelligent high-temperature concentrated sulfuric acid submerged pump using efficient fluid delivery technology and intelligent sensor technology, aiming to realize value for users:

1 节能减碳，综合节电率 20%—50%

利用新设计理念，进行了节能技术开发，结构优化，材质提升，新制造工艺保证产品的高效性，相比同等流量扬程产品，在现有装置节电率至少 20% 以上，部分可达到 50%。

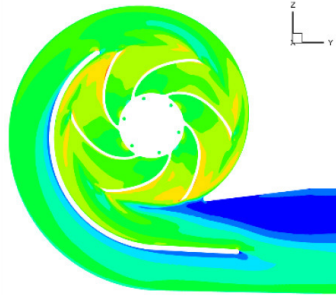
Energy saving and carbon reduction, Comprehensive energy-saving rate of 20% -50%

Using the new design concept, we have carried out energy saving technology development, structural optimization, and material improvement. The new manufacturing process ensures the efficiency of the product. Compared with the products with the same flow and head, its power saving rate has increased by more than 20% at least, and some even reach 50%.



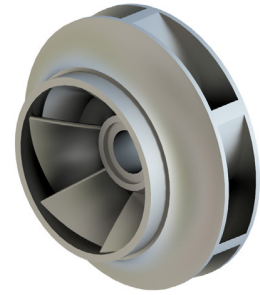
CFD 水力模型压力分布

CFD hydraulic model pressure distribution



速度云图

Velocity contour



精密铸造技术

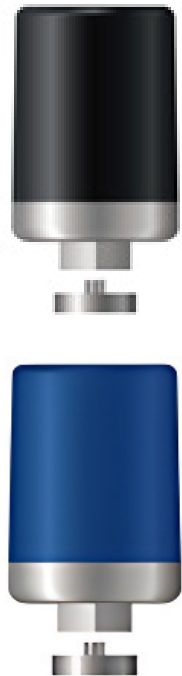
Precision casting technology

2 智能化升级，长周期运行

配备智能无线传感器，通过智能无线传感技术，对设备运行数据集成、建模分析，利用物联网和云计算等大数据技术应用，掌握设备运行健康状况，实现能源运行监测、能耗统计、能效分析、能耗诊断、碳排管理、设备管理，为客户提供创新的设备预知性维护解决方案，降低设备运维成本、降低设备运行非计划停机损失，延长使用寿命，实现产品智能化升级，保障设备更长周期运行。

Intelligent upgrade and long cycle operation

Equipped with intelligent wireless sensors, utilizing intelligent wireless sensing technology to integrate and model equipment operation data, utilizing big data technologies such as the Internet of Things and cloud computing to grasp the health status of equipment operation, achieving energy operation monitoring, energy consumption statistics, energy efficiency analysis, energy consumption diagnosis, carbon emissions management, and equipment management, providing customers with innovative equipment predictive maintenance solutions, reducing equipment operation and maintenance costs, reducing unplanned downtime losses, extending service life, achieving intelligent product upgrades, and ensuring longer equipment cycle operation.



无线采集

Wireless acquisition



多平台互联监测

Multi-platform interconnection monitoring

3 客户免维修 ,实现“零库存”

我公司提供整体维保服务，免费两年售后服务；在昆明建立总库，客户所在地设立分库，达到快速交货、信息共享，实现“零库存”。

Maintenance-free and 'Zero Inventory'

Our company provides overall maintenance service, free after-sales service for two years; Set up a general warehouse in Kunming and a sub-warehouse in the customer's location to achieve fast delivery and real-time information sharing, and realize "spare parts zero inventory".



性能表

PERFORMANCE TABLE

泵型号(Pump Model)	流量(m ³ /h)	扬程(m)	配套电机功率(kW)
JHB125	160 ~ 220	~ 30	30 ~ 37
JHB150S	240 ~ 330	~ 30	37 ~ 55
JHB150L	288 ~ 400	~ 30	45 ~ 55
JHB200	450 ~ 660	~ 30	75 ~ 110
JHB250S	480 ~ 660	~ 30	75 ~ 110
JHB250L	650 ~ 825	~ 30	110 ~ 132
JHB300S	640 ~ 880	~ 30	110 ~ 132
JHB300L	800 ~ 1200	~ 30	110 ~ 160
JHB400	1200 ~ 1650	~ 30	185 ~ 220
JHB450S	1450 ~ 1980	~ 30	220 ~ 280
JHB450L	1920 ~ 2520	~ 30	280 ~ 355
JHB600	2560 ~ 3520	~ 30	355 ~ 450

型号说明

MODEL DESCRIPTION



JHB 200 S/L

S为小规格, L为大规格
S: Small Capacity, L: Large Capacity

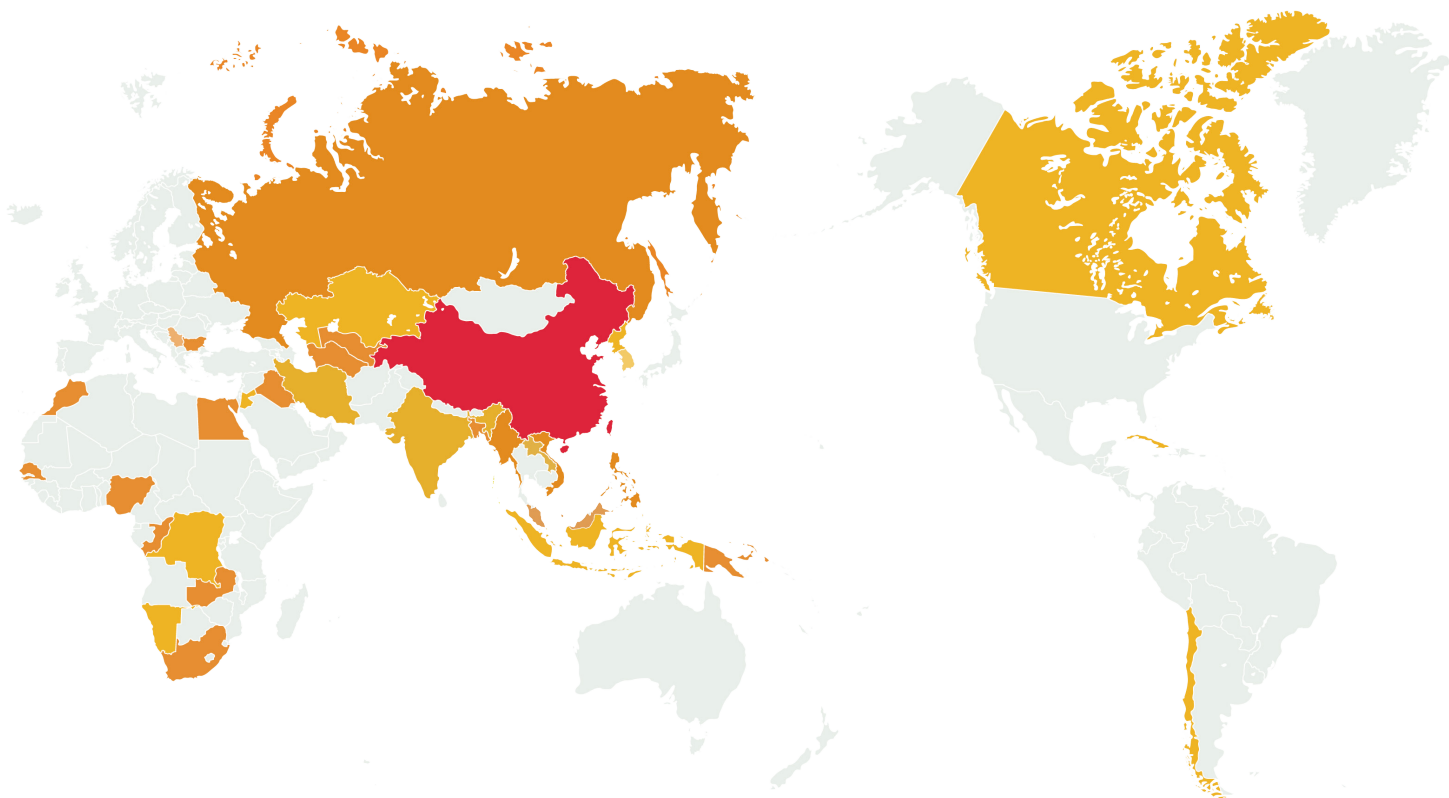
泵出口口径 (mm)
Pump Outlet Diameter

嘉和高效智能高温浓硫酸液下泵
JHB High-efficiency Intelligent High-temperature Concentrated Sulfuric Acid Submerged Pump



市场与服务

MARKET&SERVICE



- ◆ 中国 CHINA
- ◆ 印度尼西亚 INDONESIA
- ◆ 越南 VIET NAM
- ◆ 老挝 LAOS
- ◆ 伊朗 IRAN
- ◆ 土库曼斯坦 TURKMENISTAN
- ◆ 伊拉克 IRAQ
- ◆ 刚果(金) CONGO(KINSHASA)
- ◆ 尼日利亚 NIGERIA
- ◆ 约旦 JORDAN
- ◆ 古巴 CUBA
- ◆ 俄罗斯 RUSSIA
- ◆ 孟加拉 BANGLADESH
- ◆ 菲律宾 PHILIPPINES
- ◆ 韩国 SOUTH KOREA
- ◆ 乌兹别克斯坦 UZBEKISTAN
- ◆ 印度 INDIA
- ◆ 南非 SOUTH AFRICA
- ◆ 纳米比亚 NAMIBIA
- ◆ 塞内加尔 SENEGAL
- ◆ 保加利亚 BULGARIA
- ◆ 智利 CHILE
- ◆ 马来西亚 MALAYSIA
- ◆ 巴布亚新几内亚 PAPUANEWGUINEA
- ◆ 缅甸 MYANMAR
- ◆ 朝鲜 KOREA
- ◆ 哈萨克斯坦 KAZAKHSTAN
- ◆ 埃及 EGYPT
- ◆ 塞尔维亚 SERBIA
- ◆ 赞比亚 ZAMBIA
- ◆ 摩洛哥 MOROCCO
- ◆ 加拿大 CANADA



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