



*Where there is Kaiquan
There is water*

Enterprise Outline

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Kaiquan Shanghai Headquarters



Zhejiang Industrial Park



Shanghai Kaiquan Pump Group Co., LTD. is the largest pump manufacturer in China and leads the Chinese pump industry. The registered capital of Kaiquan is 15 million USD and the total assets are 100 million USD.

Kaiquan has held 9 enterprises and 5 industrial parks in Shanghai, Zhejiang, Jiangsu, Hebei, Liaoning, with the total area of 3.7 hectares and plant area of 120 thousand square meters of production.

The high-quality employee teams are always our main source, which makes Kaiquan develop fast and steadily. There are more than 4,100 professional employees working in Kaiquan, 70% of whom hold



Huangdu Industrial Park

at least the bachelor's degree including 200+ technical engineers, 2 university professors, 22 senior engineers with the professor degree, 31 masters in engineering and management & administration field etc.

With high start point, investment and quality as our technology developing strategy, Kaiquan established his own technical center, which has been recognized as "Shanghai Municipal Enterprise Technology Center", and investing USD 4 million annually on R & D. Besides, Kaiquan has introduced advanced software system for research and management such as CIMATRON 3D CAD, CAM, CAE, FMS etc. Furthermore, there are more than 400 advanced machineries in Kaiquan for production

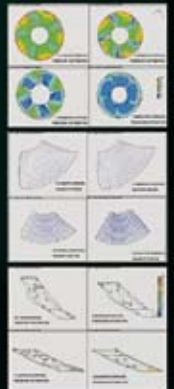
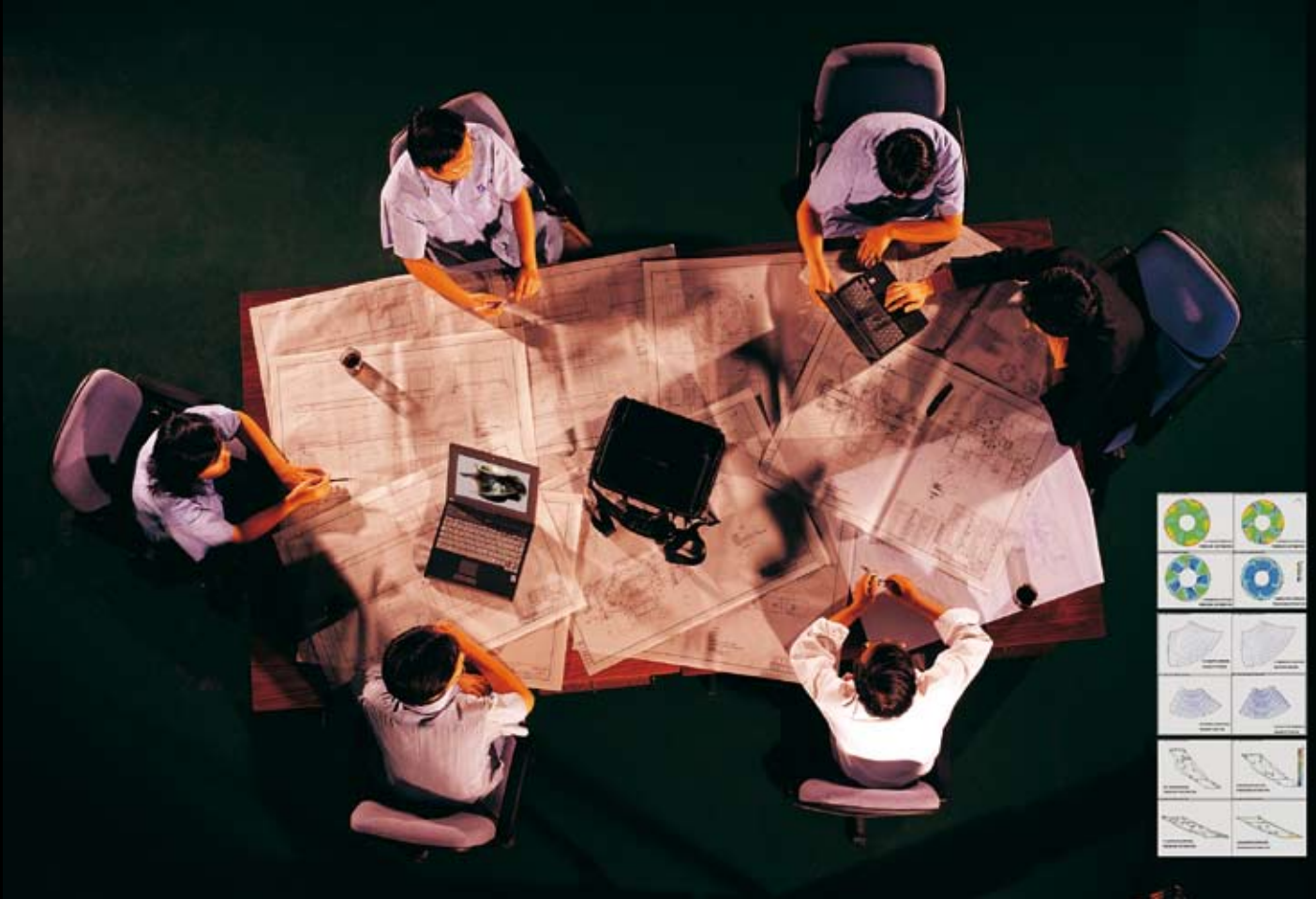
and inspections. The yield of Kaiquan is 260,000 pcs per year, and the products contain 23 series and more than 20,000 types.

Our target is to make every customer satisfaction. The sales of Kaiquan were USD 300million in 2007, and Kaiquan was ranked No.1 on sales in continuous 8 years in China from 1999 in the field of pump business. The market share of the building service pump is about 30% in China. Kaiquan is also an ISO9001 company and we got the USA RAB certificate and CE certificate as well.

Facing the new century, our strategy is to be one of the top 10 pump manufacturers around the world in 2011.

Individualistic technical design center

Office of Technical Center



Fast-molding Equipment



Technical Center

Product **Product manufacturing**



Large NC Digital displayed Vertical Lathe



Advanced CNC Machining Center

Product testing

Product testing

Text Desk for Large Pump



Close Test Desk for Full Performance



Open Full Automatic Test-bed

Product introduction

Single-stage Single-suction Centrifugal Pump Series

Applied to send non-corrosive cold and warm water used in air-condition, heating, sanitary water, water treatment, cooling & freezing system, liquid circulation, water supply, boosting and irrigation.



Speed: 2,960r/min 1,480r/min or 980r/min
Capacity: 1.8~1,400m³/h
Head: ≤127m
Medium Temperature: -10℃~80℃, 120℃
Ambient Temperature: Max. +40℃
Max. Pressure:
1.6MPa (suction and discharge diameter ≤200mm)
1.0MPa (suction and discharge diameter ≥250mm)



Speed: 2,960r/min 1,480r/min 980r/min or 740r/min
Capacity: 1.6~3,600m³/h
Head: ≤127m
Medium Temperature: -10℃~80℃, 120℃
Ambient Temperature: Max. +40℃
Max. Pressure:
1.6MPa (suction and discharge diameter ≤200mm)
1.0MPa (suction and discharge diameter ≥250mm)



Speed: 360r/min 1,420r/min
Capacity: 2.0~680m³/h
Head: 3~80m
Medium Temperature: -10℃~130℃
Ambient Temperature: Max. +40℃
Max. Pressure:
1.6MPa (suction and discharge diameter ≤200mm)
1.0MPa (suction and discharge diameter ≥250mm)



KQM Series Vertical Tandem Pump
Speed: 2,960r/min or 1,480r/min
Capacity: 2.2~900m³/h
Head: ≤87m
Medium Temperature: -10℃~80℃, 120℃
Ambient Temperature: Max. +40℃
Max. Pressure: 1.6MPa



Capacity: 1.4~1,400m³/h Head: ≤187m
Medium Temperature: -10℃~80℃, 120℃
Ambient Temperature: Max. +40℃
Max. Pressure:
1.6MPa (suction and discharge diameter ≤200mm)
1.0MPa (suction and discharge diameter ≥250mm)
(Please marked the suction pressure when ordering)

Full Automatic Water-feeding Equipment



WFY Series Automatic Water-feeding Equipment

Water Supply Pressure: 20~160mH₂O

Boosting Range:

30%~100% Pump Head

(Full Variable-frequency Control)

70%~100% Pump Head

(Partial Variable-frequency Control)

Water Supply Capacity: 6~400 m³/h

Accuracy of Constant Pressure: ≤2mH₂O

Stabilization Time:

≤40s (Single Variable-frequency Control);

≤20s (Full Variable-frequency Control);

KQK Series Electrical Control Panel



KQK Series

Functions:

short-circuit protection for main circuit, phase defect and overload protection and protection for pump leakage and stator winding overheating.

Applications:

water-feeding of living, fire-fighting, spraying, boosting, stabilizing, cooling or heating water circulating systems (air-conditioning integrated control and boiler circulation systems), pumps for industrial control and discharge of waste water, etc.

Main electric components manufacturer:

ABB, Schneider, Omron.

Multi-stage Single-suction Centrifugal Pump Series

Applied for water feeding and boosting in municipal, domestic, industrial, as well as air-conditioning, heating, freezing, cooling circulation systems.



KQDW, KQDL, KQDG Series Multi-stage Pump

Speed: 1,480r/min or 2,950r/min

Capacity: 3.7~324 m³/h

Head : 12.1~240m

Max. Operating Pressure:

KQDL, KQDW Suction Pressure + Maximum

Pressure of Pump ≤2.5MPa

KQDG Suction Pressure + Maximum Pressure of

Pump ≤2.0MPa

Liquid: Clean water or the liquid whose physical and chemical properties is similar to water

Liquid Temperature: ≤120°C



KQDP, KQDQ Series Light Stainless-steel Multi-stage Pump

Speed: 1,480r/min or 2,950r/min

Capacity: 1~100 m³/h

Head: 16~208m

Liquid Temperature: -20~120°C

Max. Operating Pressure: Suction Pressure + Maximum Pressure of Pump ≤2.5MPa

Liquid: Clean water or the liquid whose physical and chemical properties is similar to water

Fire-fighting Water Feeding Pump Series

Fire-fighting Pump:

excellent performance and reliable operation.

Fire-fighting variable-frequency water feeding equipment:

ensuring water pressure and capacity for fire-fighting,
convenient operating and improving automation level.

Tangent Pump for Fire-fighting:

starting reliably at any time.



XBD Series Fire-fighting Pump

Speed: 980r/min, 1,480r/min or 2,950r/min

Capacity: 2.5~200L/s

Pressure: 0.11~2.6MPa

Liquid Temperature: $\leq 80^{\circ}\text{C}$ clear water



XBD-DN Series Multi-stage Fire-fighting Pump

Speed: 2,950r/min

Capacity: 10~45L/s

Pressure: 0.5~1.8MPa

Liquid Temperature: $\leq 80^{\circ}\text{C}$ clear water



XBC Diesel Fire-fighting Pump

Capacity: 10~800L/s

Pressure: 0.2~2.2MPa

Speed: 1,500r/min, 1,800r/min

Ambient Temperature: $5^{\circ}\text{C}\sim 40^{\circ}\text{C}$

Relative Air Humidity: $\leq 80\%$

The power of diesel engine can't reach the rate power under abnormal conditions. To ensure normal working, higher power diesel engine should be used to match pumps.

WQ Submersible Sewage Pump Series

Applied for municipal engineering projects, buildings, industry waste release and waste water treatment, which can pump dirty water, wastewater, and rainwater with solid and long fiber wastes.



KWFB Series Packingless Automatic Self-priming Pump

Speed: 2,960 or 1,480r/min

Discharge Diameter: 40mm-350mm

Rated Capacity: 5.6-1200m³/h

Rated Head: 10-125m

Self-priming Head: 3.5m-5.5m

Ambient Temperature: $\leq 40^{\circ}\text{C}$



WQ2000, WQ4000 Series Submersible Sewage Pump

Capacity: 8~8,980m³/h Head: 5~80m
 Motor Power: 0.75~315kW Voltage: 380V
 Discharge diameter: 50~900mm
 Medium Temperature: ≤40℃
 Medium Density: ≤1,050kg/m³
 PH: 4~10



WL Series Vertical Sewage Pump

Capacity: 8~4,600 m³/h
 Head: 3~55m
 Motor Power: 0.75~355kW
 Voltage: 380V
 Discharge diameter: 50~600mm
 Medium Temperature: ≤40℃
 Medium Density: ≤1,050kg/m³
 PH: 5~9



KQQ Submersible Electric Pump

Capacity: 50~3,000 m³/h
 Head: 10~100m
 Power: 11~560kW
 Depth under water: ≤20m
 Discharge diameter: 80~600mm



WJ Submersible Mixer and WH Submersible Reflux Pump Series

WJ	WH
Speed:	Capacity:
17r/min~1,450r/min	430~4,500 m ³ /h
Pushing Force:	Head:
125~4,800N	0.6~1.3m
Power:	Speed:
0.75~30kW	360, 480, 680, 700,
Impeller Diameter:	710, 720, 730, 735r/min
210mm~2,500mm	Power:
Depth under water ≤15m	1.5~30kW



YW Series Submerged Sewage Pump

Tolerance Design, Tremendously Reliable

Medium Temperature:
≤80℃
 Medium Density:
<1.2kg/dm³

If > 1.2kg/dm³, the supporting
 power should be increased
 correspondingly.
 PH: 5~11

Submersible Mixer, Submersible Reflux Pump Series

This series is used to mix liquid containing suspended particles in the field of waste water treatment, industrial process, and biochemistry treatment, buildings and mining industry.



WQ3000, WQ5000 Series Submersible Sewage Pump

Capacity: 14~1,500 m³/h Head: 8~80m
 Motor Power: 3~220kW Voltage: 380V
 Discharge diameter: 50~900mm
 Medium Temperature: ≤40℃
 Medium Density: ≤1,050kg/ m³
 PH: 4~10



WQ/C Series Mini Sewage Pump

Power Supply: 380V, Three phase, 50Hz
 Medium Density: ≤1,050kg/ m³
 Medium Temperature: normally not exceed 40℃, PH: 4~10
 The lowest level must be in accordance with ▽ in the dimensional drawings.
 The diameter of the solids in medium cannot exceed 80% of the minimum diameter of flow channel.



WQ/S Mincing Pump

Diameter: 50~100mm Motor Rated Power: 1.5~37kW
 Speed: 940~1,475r/min, 2,800~2,935r/min
 Max. Dimension of Mince: 32~65mm
 Pump Weight: 90~624kg

Single-stage Double-suction Centrifugal Pump Series:

The pumps are widely used in city's water supply and drain-off, water supply for cities and towns; water supply and drain-off for central heating system; water supply and drain-off for steel plant and metallurgical industry enterprises, oil refinery for petrol chemistry, paper mill, oil field, heat and power plant, airport construction, chemical fiber factory, textile factory, sugar factory, chemicals factory and power station; water supply of fire-fighting system for factories or mines, water supply for air-conditioning system; farmland flood-drain and irrigation and various water conservancies.



KQSN Series Double Suction Pump

Speed: 298r/min, 372r/min, 490r/min, 585r/min, 740r/min, 990r/min, 1,480r/min or 2,960r/min
 Capacity: 68~30,000m³/h
 Head: 6~230m
 Voltage: 380V, 6kV or 10kV
 Suction diameter: 150~1,600mm
 Temperature Range: Max. Liquid temperature ≤100℃, 150℃ for special configuration.
 Ambient Temperature: ≤40℃ general.



KQSU Series Double Suction Pump

Speed: 900, 1,480r/min
 Head: 20~100m
 Capacity: 200~2,000 m³/h
 Suction Diameter: Ø200 - Ø500mm
 Temperature Range: 0~80℃ (130℃ for special configuration)
 Operating Pressure: Suction Pressure +Max. Operating Pressure ≤1.6MPa (2.0MPa for special requirements)
 Pumping Medium: Clean water or the liquid whose physical and chemical properties is similar to water
 Operation Mode: Continuous Operating



KQSNL Series Vertical Double Suction Pump

Speed: 990r/min, 1,480r/min or 2,960r/min
 Capacity: 120~3,975m³/h
 Head: 6~200m
 Voltage: 380V, 6kV or 10kV
 Temperature Range: ≤80℃
 Ambient Temperature: ≤40℃



LDTNT, LDTNA, LDTNB Series Hot Well Pump

Capacity: 85~1,940 m³/h
 Head: 48~360m
 Medium Temperature:
 Normal temperature~80℃ (120℃ for special requirements)

Axial, Mixed Flow Pump

Used in city's water supply, diversion works, municipal sewage, rainwater drain-off, and pivot diversion, irrigation and drainage, aquaculture, salt field, as well as industrial water supply and drain-off and pumping recycled water etc.



ZQ, HQ Submersible Axial Flow Pump , Mixed Flow Pump Series

Pump Diameter: 300~1,600mm Capacity: 400~42,000 m³/h
 Head: 2.5~22m Power: 7.5~710kW
 Protection Class: IP68 Cooling System: 1C0041
 Insulation Class: F Rated Frequency: 50Hz
 Voltage: 380V, 660V, 6kV, 10kV



ZL, HL Vertical Axial Flow Pump, Mixed Flow Pump

Unit Capacity: 0.2~11 m³/s Head: 2~22m
 Discharge Diameter: 350~1,600mm
 Pumping Medium: Clear water, river water, wastewater, rainwater, sewage and other liquid whose physicochemical property is similar to water.
 Voltage: 380V, 660V, 6,000V, 10,000V Frequency: 50Hz
 Protection Class: IP23, IP44 Insulation Class: B, F
 Ambient Temperature: 40℃; Reduce the Power, when the ambient temperature exceeds 40℃.



H Type Vertical Diagonal Flow Pump

Capacity: 0.17~7.5 m³/h Head: 5~95m
 Permitted Pumping Medium:
 Clear water, seawater, rainwater, sewage etc.
 Medium Temperature: Below 55℃
 Operation Mode: Continuous Operating



LC Long-axle Pump

Medium Temperature: $\leq 80^{\circ}\text{C}$
 When suspended material is contained, instead of fiber material, the quantity of suspended material: $< 150\text{mg/L}$;
 When the medium is the solid-containing industrial wastewater, the maximum solid cannot exceed 2mm.
 Pump Diameter: 100~800mm Capacity: 60~5,100 m^3/h
 Head: 13~69m Max. Axial Length: $\leq 14\text{m}$



N Type Condenser Pump

Capacity: 8~120 m^3/h
 Head : 38~170m
 Medium Temperature:
 $\leq 80^{\circ}\text{C}$ (100N130 and 150N110 Type can pump the liquid below 120°C)



DG Type Intermediate Pressure Boiler Feed Pump

Speed: 2,950r/min
 Liquid: Clear water or other liquid whose physicochemical property is similar to water.
 Liquid Temperature: $\leq 160^{\circ}\text{C}$
 Capacity: 36~180 m^3/h
 Head: 500~1,050m



NW Type LPH Drainage Pump

The pump is used to pump low heater drainage in heat-engine plant of 125MW~300MW.
 Medium: saturation water above 80°C ,
 Temperature: Max. 160°C
 Capacity: 36~200 m^3/h
 Head: 120~230m
 Inlet flange pressure: 1.6MPa
 Outlet flange pressure: 2.5~4.0MPa.



KQWR-G Type Hot Water Circulation Pump

Working Condition: System operation pressure is below 4.0MPa; Pumped Medium is hot water, and the medium temperature is not more than 230°C ; The temperature is below 400°C when the Medium is other organic thermal medium.
 Capacity: 5~800 m^3/h
 Head: 6.8~240m
 Speed: 1,450r/min and 2,900r/min
 Power: 0.25~500kW

KQH Series Chemical Pump

KQH series chemical pump can be used to some extent in chemistry, oil product, food, drinks, medicine, water treatment, environment protection and part of acid, alkali and salt, to pump some corrosive, non-or-few solids containing medium with the viscosity similar to water. It is not recommended to use in poisonous, flammable, explosive and strongly corrosive occasions.

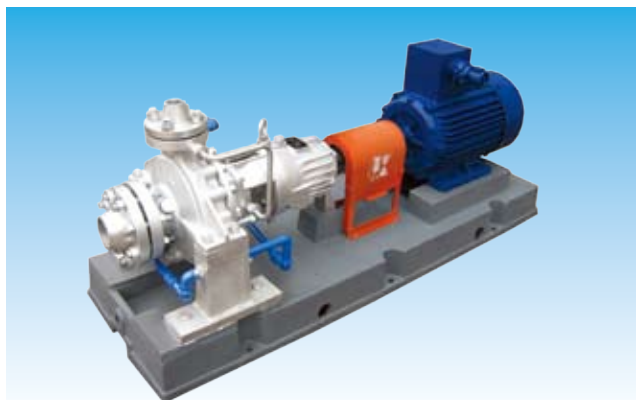


KQH, KQWH Series Pump

Capacity: 2.2~480 m³/h
Head: 2.8~129m
Power: 0.12~90kW
Speed: 1,480r/min and 2,960r/min
Max. Pressure: ≤1.6MPa
Medium Temperature: -10~80°C
Ambient Temperature: Max. 40°C

KZA, KZE Petrochemical Process Pump

Pumping Medium: Mineral acid in all temperature and concentration, such as H₂SO₄, HNO₃, HCl and H₃PO₄ etc.; all alkaline solution in all temperature and concentration such as NaOH; all salt solution; all liquid petrochemical products, organics, and other corrosive raw materials and products.



KZA, KZE Process Pump

Pump Diameter: 25~400mm
Capacity: Max. 2,400 m³/h
Head: Max. 250m
Operating Pressure: Max. 2.5MPa
Operating Temperature: -80~+450°C



KCZ Standard Chemical Process Pump

Max. Operating Pressure: 2.5MPa (250bar)
Operating Medium Temperature: -70~180°C
Capacity: ~2,000 m³/h
Head: ~160m
Speed: 1,450r/min and 2,900r/min
Motor Power: ~315kW

KQYH Submerged Chemical Pump

Used in Municipal water supply, municipal sewage plant, rainwater drainage, sewage treatment, diversion work, irrigation, flood control and flooded field drainage.



KQYH Submerged Chemical Pump

Pump Diameter: 25~200mm
Head: 5~80m
Protection Class: IP68
Capacity: 2~350 m³/h
Power: 1.1~90kW
Cooling System: 1C0041



AY Type Oil Pump

Solids are not contained in the pumped medium, and temperature range is -45~+420°C.
Capacity: Q=6.25~500 m³/h
Recommended Head:
H=35~330m (Single or Double-stage Pump)
H=70~603m (Multi-stage Pump)



KZJ Series Slurry Pump

Speed: 2900/1480/980/730/590r/min motor directcoupled driving
Pulley indirect-couple driving
Medium Temperature: generally $\leq 80^{\circ}\text{C}$, in special case: 110°C
Weight Concentration of Solid-liquid Mixture:
MortarConcentration $\leq 45\%$ Pulp Concentration $\leq 60\%$
Capacity: 30~2,000 m^3/h Head: 15~130m



M/AH(R)/HH Series Slurry Pump

Speed: 2900/1480/980/730/590r/min motor directcoupled driving
Medium Temperature: generally $\leq 80^{\circ}\text{C}$, in special case: 110°C
Weight Concentration of Solid-liquid Mixture:
MortarConcentration $\leq 45\%$ Pulp Concentration $\leq 60\%$
Capacity: 12~5400 m^3/h Head: 6~118m



2BEK Water Ring Vacuum Pump

Power: 75~800kW
Gas Capacity: 55~630 m^3/min
Pressure: 160hPa~1,013hPa
Permitted Medium: the gas, which is non-solids containing and insoluble in water
Temperature: Pumping gas temperature $-10\sim 40^{\circ}\text{C}$
Operating Liquid Temperature: $0\sim 35^{\circ}\text{C}$



2BVX, 2BEX Water Ring Vacuum Pump

Motor Power: 1.1~710kW
Gas Capacity: 27~2,700 m^3/h
Pressure: 33hPa~1,013hPa
Permitted Medium: the gas, which is non-solids containing and insoluble in water
Temperature: Pumping gas temperature $-10\sim 40^{\circ}\text{C}$
Operating Liquid Temperature: $0\sim 35^{\circ}\text{C}$



MD Multi-stage Mine Pump

Speed: 1,480r/min and 2,950r/min
Liquid: Clear water or other liquid whose physicochemical property is similar to water.
Liquid Temperature: $\leq 105^{\circ}\text{C}$
Capacity: 6.3~450 m^3/h
Head: 50~660m
Max. Pressure: Suction Pressure +Max. Pump Pressure $\leq 7\text{MPa}$

Sampling projects

Sampling projects



Oriental Pearl tower



Maglev



Shanghai Pudong International Airport



Lanzhou Thermo-electric Plant



Mao Zedong Memorial Hall



Chongqing WAL-MART



Shanghai Exhibition Hall



Qingdao Holiday Inn



Sichuan Toyota Motor



Shenzhen Keyuan



Shanghai Cokeoven Plant



Beihai power plant



Baotou Dalate power plant



Gaoqiao Fine Chemicals



Jilin Petrochemical



Shanghai Baosteel



Nanjing Yizheng Chemical Fiber Mill



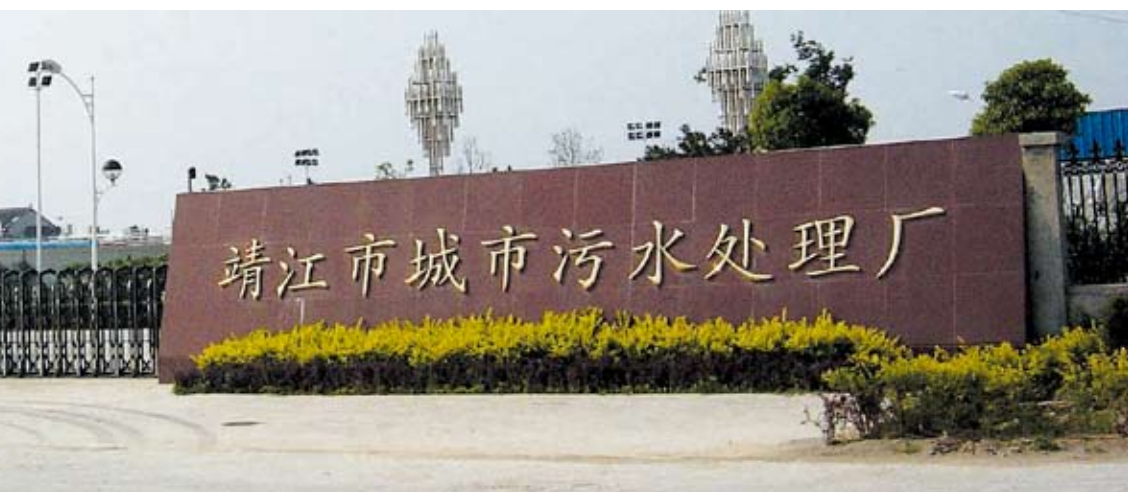
Hangzhou Sibao Sewage Treatment Plan



Daqing Water Works



Yuhang water supply Group Co.,Ltd.



Jingjiang Sewage Treatment Work



Changshan water conservancy



Liujiata Hydro Station



Yanji Rubber Dam Project



Hangzhou Quyanfenghe Pumping Station



The Second Sewage Treatment Works, Changsha



Bapanxia Hydroplant



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