

Redefine energy saving pumps!



BZT PUMPS
the best solution

Teksol Group LLC.



Its core competitiveness lies in its focus on pumps and green innovation. Our mission is to provide carbon neutral and Chinese wisdom to the world. Always focus on high efficiency, we gather an authoritative team dedicated to green innovation. With cutting-edge fluid dynamics CFD technology, excellent 30-year process sedimentation and world leading intelligent manufacturing innovation, we provide high-quality, green, and intelligent water pumps and system solutions.



One pump can save power

145000

kW·h

MEI

Higher MEI
Euro standard product 0.7

0.89

NPSH

Lower NPSH
International first class is 3.66

2.9_m

ENERGY

More energy saving
Higher than industry standard

12.7 %

NB/NBF

NB/NBF ULTRA HIGH EFFICIENT VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

Water Supply
Industrial Boosting
Industrial Liquid Transfer
Water Treatment
Irrigation

Redefine energy saving pumps!

The NB/NBF series ultra-efficient multi-stage centrifugal pumps has been designed to be an "ultra-high energy saving" pump since its birth. Inherited the spirit of 30 years excellence, benefited from the "Neu-booom green Innovation power", based on previous experience and data models, by re-definition of the structure of the impellers, guide vanes, water chambers and other parts, optimized hydraulic performance and other key technology innovation, owned precision process and production efficiency from the most advanced smart factory in Asia, all of those advantages makes the Chinese pumps to lead the world in "high energy efficiency", achieve a more trustworthy NB/NBF. NB/NBF pumps are designed for a variety of applications ranging from the pumping of tap water to the pumping of industrial liquid. The pumps are suitable for a wide diversity of liquid of temperature, flow rate, pressure range. .NB is suitable for non corrosive liquid, NBF is suitable for mild corrosive liquid.

Redefine energy saving pumps!



TECHNICAL DATA

Flow Range : 0.5m³/h ~ 520m³/h

Lift Range : 4m ~ 362m

Medium Temperature

Normal Temperature Type : -15°C ~ 70°C

Hot Water Type : -15°C ~ 120°C

Max. delivery head

490M

Challenging the limit of explosive force



TECHNICAL DATA

Flow Range : 0.5m³/h ~ 32.5 m³/h
Lift Range : 110m ~ 490m
Medium Temperature
Normal Temperature Type : -15°C ~ 70°C
Hot Water Type : -15°C ~ 120°C

NBF+NBH

NBF+NBH ULTRA HIGH EFFICIENT HIGH PRESSURE PUMPS

Water Supply System
Industrial Boosting
Industrial Liquid Transportation
Water Treatment

Redefine energy saving pumps!

NBF + NBH is a pump set formed by connecting a vertical multistage pump and a high-pressure pump in series, which can generate a pressure of 49 bar. The pump set consists of two pumps, both of which are non-self-priming vertical multistage centrifugal pumps. The motor shaft is directly coupled to the pump shaft through a bracket with a coupling. Stay bolts fix the pressure-resistant cylinder and flow-through components between the bracket and the water section. The inlet and outlet of the pumps are on the same straight line at the bottom of the pump. NBF is a stainless steel vertical multistage centrifugal pump; NBH is a high-pressure pump that adopts an inverted core structure to reduce the pressure-bearing requirements for the exterior parts and seals. The pump set owns the features as high efficiency and energy saving, high lift, simple structure, and high reliability. Both pumps use cartridge mechanical seals and a detachable structure. Maintenance and repair are convenient and fast. It is mostly used in ultra filtration systems, reverse osmosis systems, high-pressure flushing systems, main pipe pressurization, and pressurization in high-rise buildings, etc.

NBK NBKF

NBK/NBKF ULTRA HIGH EFFICIENT IMMERSIBLE PUMPS

Machine Tool Applications
Industrial Cleaning

Redefine energy saving pumps!

The NBK/NBKF immersible multistage centrifugal pump achieves "super high efficiency" for the unit by optimizing the hydraulic performance of components such as the impeller and guide vanes. Different pump stages can be applied to a variety of different temperature, flow rate and pressure ranges. The pump connects to a standard motor by a set of coupling. Since the pump can change its own length by adding empty guide vanes, it can meet the requirements of various different environments for the installation depth of the pump. The lengths of different stages can be referred in the size and weight table or the available product range table. NBK is mainly used for the transportation of non-corrosive liquid, and NBKF is mainly used for the transportation of slightly corrosive liquid.



Flexible and extensive application suitable for various

TECHNICAL DATA

Flow Range : $0.5\text{m}^3/\text{h} \sim 55\text{m}^3/\text{h}$

Lift Range : $4\text{m} \sim 305\text{m}$

Medium Temperature

Normal Temperature Type : $-15^\circ\text{C} \sim 70^\circ\text{C}$

Hot Water Type : $-15^\circ\text{C} \sim 105^\circ\text{C}$



BZT PUMPS





NHL NHLEF(T) NHM

NHL/NHLEF(T)/NHM ULTRA HIGH EFFICIENT HORIZONTAL MULTISTAGE CENTRIFUGAL PUMP

Washing And Cleaning
Water Treatment
Temperature Control
Others

Redefine energy saving pumps!

NHL/NHLEF(T)/NHM are light horizontal multistage centrifugal pumps, redefined the structure of impeller, guide vanes, optimized the hydraulic performance, expanded the range of flow rate and delivery head, pump motor set achieved "Ultra high efficiency". The monobloc structure shortened the pump size, made the design more compact. The pump structure is horizontal suction, vertical discharge, pipe threaded suction and discharge. The features are energy saving, low noise, light, easy to install and maintenance. NHL/NHLEF(T)/NHM is a versatile product that can transfer thin, clean, non-explosive and non-flammable liquid free of solid particles or fibers, and is suitable for different temperature, flow and pressure ranges.

SMALL

Compact design, light and small



TECHNICAL DATA

Flow Range : $0.5\text{m}^3/\text{h} \sim 80\text{m}^3/\text{h}$

Lift Range : $4\text{m} \sim 108\text{m}$

Medium Temperature

Normal Temperature Type : $-15^\circ\text{C} \sim 70^\circ\text{C}$

Hot Water Type : $-15^\circ\text{C} \sim 105^\circ\text{C}$



BZT PUMPS



NHLF(T)

NHLF(T) ULTRA
HIGH EFFICIENT HORIZONTAL MULTISTAGE
CENTRIFUGAL PUMP

TECHNICAL DATA

Flow Range : $0.5\text{m}^3/\text{h} \sim 32.5\text{m}^3/\text{h}$
Lift Range : $4\text{m} \sim 71.5\text{m}$
Medium Temperature
Normal Temperature Type : $-15^\circ\text{C} \sim 70^\circ\text{C}$
Hot Water Type : $-15^\circ\text{C} \sim 105^\circ\text{C}$



NHL

NHL ULTRA
HIGH EFFICIENT HORIZONTAL MULTISTAGE
CENTRIFUGAL PUMP

TECHNICAL DATA

Flow Range : $0.5\text{m}^3/\text{h} \sim 28\text{m}^3/\text{h}$

Lift Range : $4\text{m} \sim 52.5\text{m}$

Medium Temperature

Normal Temperature Type : $-15^\circ\text{C} \sim 70^\circ\text{C}$

Hot Water Type : $-15^\circ\text{C} \sim 105^\circ\text{C}$

NZS

NZS ULTRA
HIGH EFFICIENT HORIZONTAL SINGLE
STAGE HORIZONTAL PUMPS

Water Supply System
Industrial Boosting
Industrial Liquid Transportation
Cooling And Air Conditioning Systems
Others

Redefine energy saving pumps!

The NZS stainless steel horizontal single-stage centrifugal pump is fabricated of stainless steel plates by advanced techniques such as stamping, bulging and welding. It features axial water intake and radial water discharge. The casing is firmly fixed to the base and is equipped with a fully enclosed air-cooled IEC motor as standard. This pump boasts a lightweight structure, an aesthetically pleasing appearance, high efficiency and energy saving, durability, low noise levels and resistance to mild corrosion. The NZS stainless steel horizontal single-stage centrifugal pump is a versatile product capable of transporting water or various non-corrosive and slightly corrosive industrial liquid.

100% RESTORES
EFFICIENT HYDRAULIC MODEL



TECHNICAL DATA

Flow Range : $3\text{ m}^3/\text{h} \sim 200\text{ m}^3/\text{h}$
Lift Range : $9.4\text{ m} \sim 70.2\text{ m}$
Medium Temperature : $-20^\circ\text{C} \sim 100^\circ\text{C}$



LOW CARBON AND ENVIRONMENTALLY FRIENDLY,
MORE ENERGY SAVING.

TECHNICAL DATA

Flow Range : $2\text{m}^3/\text{h} \sim 1200\text{m}^3/\text{h}$

Lift Range : $4.5\text{m} \sim 86.7\text{m}$

Medium Temperature : $-15^\circ\text{C} \sim 110^\circ\text{C}$

ND

ND ULTRA HIGH EFFICIENT IN-LINE PUMPS

HVAC

District Heating System

Cooling System

Water Supply System

Industrial Liquid Transfer

Domestic Hot Water System

Redefine energy saving pumps!

ND in-line circulation pump is a single-stage pipeline centrifugal pump with the same inlet and outlet diameter, horizontal suction and horizontal discharge. The impeller and volute, the core hydraulic components of the pump, have been designed through exquisite simulation and optimization, resulting in superior performance and smooth operation. All series are equipped with fully enclosed standard IEC high-efficiency motors as standard, more low-carbon and environmentally friendly. ND in-line circulation pump is a multi-application product that can transport a variety of different media from water to industrial liquids and is used as liquid transportation, pressurization and circulation equipment.



BZT PUMPS





SMART | SIMPLE | SILKY



TECHNICAL DATA

Flow Range : 5m³/h ~ 2000m³/h

Lift Range : 3m ~ 160m

Medium Temperature : -15°C ~ 110°C



NIS NISF NISO

NIS/NISF/NISO ULTRA HIGH EFFICIENT END SUCTION PUMPS

Water Supply System
HVAC System
Industrial Boosting
Industrial Liquid Transportation
Others

Redefine energy saving pumps!

The NIS/NISF/NISO pumps are a type of single-stage, single-suction, non-self-priming end-suction centrifugal pumps, designed based on the standard of GB/T 5662 (ISO 2858), with axial water inlet and radial water outlet. The core hydraulic components of the pumps, the impeller and the casing, have undergone exquisite simulation and optimization design, featuring superior performance and stable operation. The entire series is equipped with a fully enclosed IEC standard high-efficiency motor, making it more low-carbon and environmentally friendly in use. The pumps are widely used in municipal water supply, heating, air conditioning, and industrial water treatment systems. The NIS/NISF/NISO end-suction centrifugal pumps are versatile products and can transfer various different liquid ranging from water to industrial liquid.

NISO

NISO ULTRA
HIGH EFFICIENT END SUCTION
PUMPS



技术数据 TECHNICAL DATA

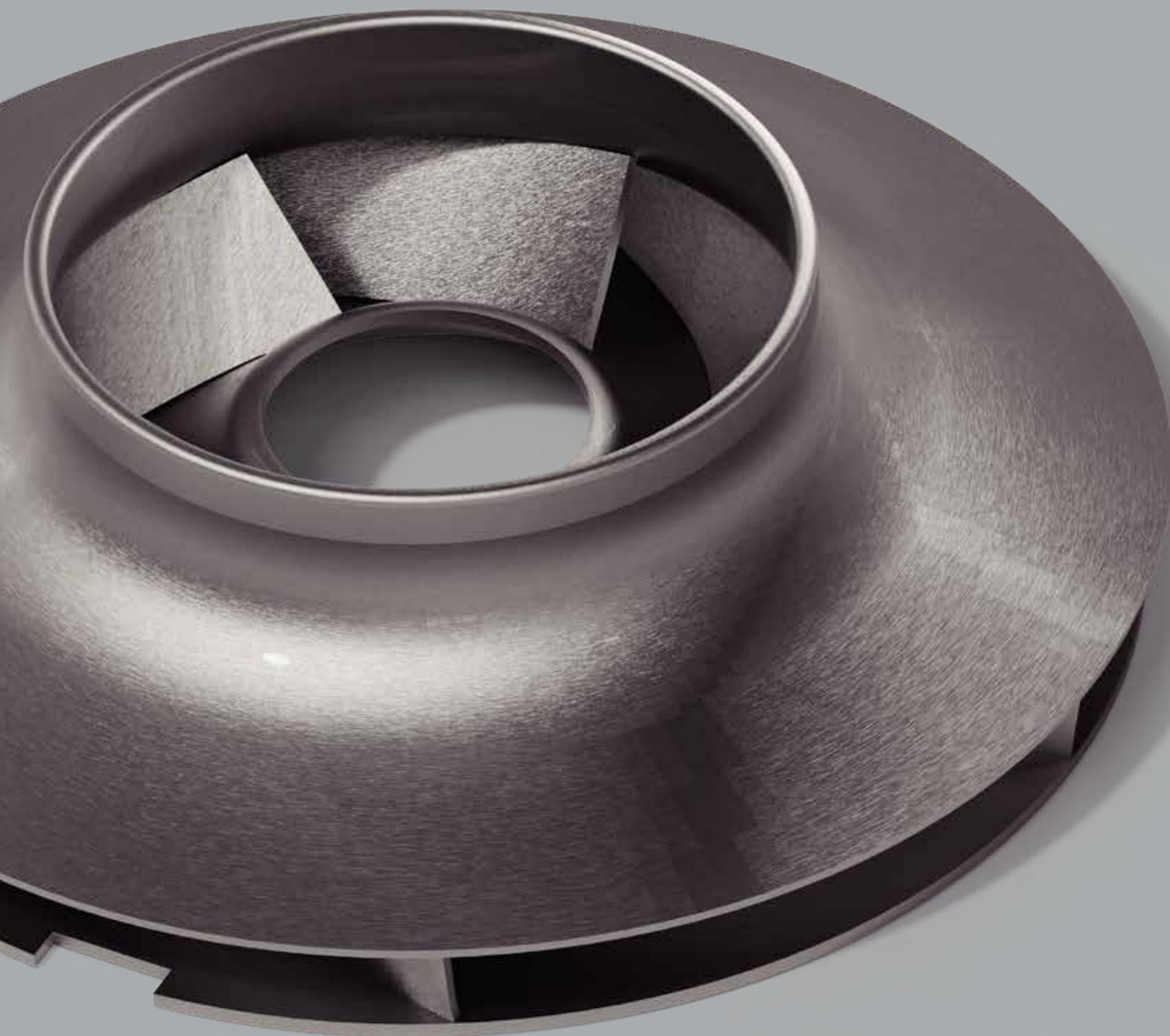
流量范围 Flow Range $5000\text{m}^3/2000\text{m}^3/\text{h}$

扬程范围 Lift Range $60\text{m} \sim 160\text{m}$

介质温度 Medium Temperature $-113^{\circ}\text{C} \sim 110^{\circ}\text{C}$

CASING
SIMULATION OPTIMIZATION
DESIGN







REDUCE COST SYSTEMATICALLY

USE ONE FOR THREE AND REDUCE MULTIPLE DEVICES



TECHNICAL DATA

Flow Range : $0.2\text{m}^3/\text{h} \sim 18\text{m}^3/\text{h}$ (50Hz)
 $0.4\text{m}^3/\text{h} \sim 22.4\text{m}^3/\text{h}$ (60Hz)
Lift Range : 10m ~ 70m(50Hz) 10m ~ 60m(60Hz)
Medium Temperature : $-15^{\circ}\text{C} \sim 105^{\circ}\text{C}$

NY NYL(B)

NY/NYL(B) ULTRA HIGH EFFICIENT AIR LIQUID MIXING PUMPS

Water Supply System
Industrial Boosting
Industrial Liquid Transportation
Biochemical Treatment System
Others

Redefine energy saving pumps!

The NY/NYL(B) pump is a air-liquid mixing pump, horizontal suction and vertical discharge. It can suck water and air simultaneously. The mixed liquid is pressurized inside the pump, high air-liquid mixing efficiency and good air-liquid dissolution effect. It is simple but durable, wide applications, and operates smoothly with low noise. When using the NY/NYL(B) stainless steel self-priming air-liquid mixing pump, the air compressor, various mixers, high-pressure container tubes and releasers can be saved for the air floatation device. It can solve the problems of unstable air supply and large bubble churning in the traditional way. Various mixers, large oxidation towers, etc. can be saved, which can significantly reduce the equipment cost. The NY/NYL(B) stainless steel self-priming air-liquid mixing pump is mainly suitable for liquid transportation, air-liquid mixing and stirring, liquid circulation and pressurization.



NLT(S)/LLT(S)

NLT(S)/LLT(S) ULTRA
HIGH EFFICIENT COOLING TOWER SPECIALLY
DESIGNED PUMPS

Water Supply
Industrial Boosting
Industrial Liquid Transfer
Water Treatment
Irrigation

Redefine energy saving pumps!

The NLT (S)/LLT (S) cooling tower specific pump is a non self-priming single-stage centrifugal pump with the same inlet and outlet diameter. Among them, NLT (S) is horizontally installed, with axial suction and radial discharge; LLT (S) is a vertical installation with horizontal suction and discharge. The core hydraulic components of the pump, the volute and impeller, adopt efficient hydraulic models with superior performance and smooth operation. They are equipped with fully enclosed IEC high-efficiency motors, which are more low-carbon and environmentally friendly.



BIG FLOW, LOW HEAD.

Flow rate 35-300m³/h

Delivery head 2.5-9m

For big flow and low head applications

TECHNICAL DATA

Flow Range : 35m³/h ~ 300m³/h

Lift Range : 2.5m ~ 9m

Medium Temperature : -15°C ~ 100°C



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SURPASS OURSELVES COLLECTIVE PROSPERITY

Becoming the world's leading green water pump company and empower
water resources and green sustainability

