

# Wenzhou Qiangzhong Machinery Technology Co.,Ltd.

QiangZhong Technology is Committed to a China's professional provider of dairy, food, beverage, daily chemical, agrochemical, bio-pharmaceutical, etc. industries.

## HEALTH PUMP

The food sanitary fluid transfer pump has optimized internal structure, impeller design, no dead angle treatment, and mechanical seal pressure balance design, so that the mechanical seal is completely in the washing area. We have also optimized the exterior of the pump to make it absolutely sanitary inside and reduce dead angles on the outside. Since there is no dead angle area, it is very easy to perform CIP cleaning and SIP sterilization. The pump maintains the most flexible combination, such as the pump outlet angle can be adjusted arbitrarily between 0°-135°, various inlet and outlet connections, low-emission interfaces, etc., thus achieving the effect of high efficiency, sanitation, high reliability and low-cost.



**LKH Sanitary Centrifugal Pump**



**SLRP Sanitary Self-Priming Pump**



**ZB3A Series Cam Rotor Pump**



**QBSY5 Sanitary Pneumatic Diaphragm Pump**



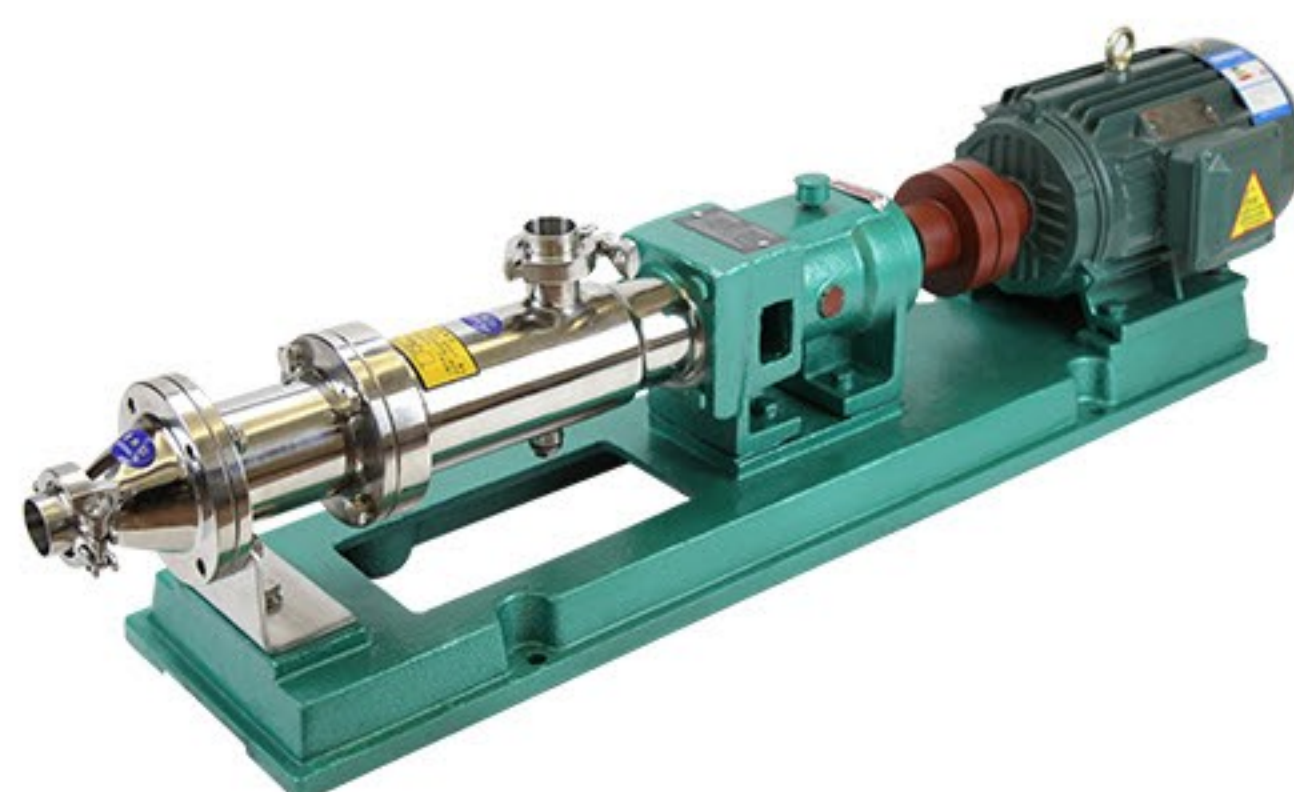
**QBSY5 Sanitary Electric Diaphragm Valve**



**Square Outlet Rotor Pump**



**Sanitary Screw Pump**



**G Series Single Screw Pump**



**Twin Screw Pump**



A solution with high efficiency, low noise, and simple maintenance.Clamp-connection, easy to clean, and the whole machine is washable.

LKH Sanitary Centrifugal Pump Technical Parameters:

Model No.	Motor Power (kw)	Pump Head (m)	Flow (m³/h)	Inlet Pipe Diameter(mm)	Outlet Pipe Diameter(mm)
LKH1-8	0.37	8	1T	32	25
LKH3-16	0.75	16	3T	38	32
LKH5-24	1.5	24	5T	38	32
LKH5-32	2.2	32	5T	51	38
LKH10-24	2.2	24	10T	51	38
LKH10-36	3	36	10T	51	51
LKH15-24	3	24	15T	51	51
LKH15-36	4	36	15T	51	51
LKH20-24	4	24	20T	63.5	51
LKH20-36	5.5	36	20T	63.5	51
LKH30-24	5.5	24	30T	63.5	51
LKH30-36	7.5	36	30T	76	63.5

SLRP Sanitary Self-Priming Pump Technical Parameters:

Model No.	Motor Power (kw)	Pump Head (m)	Flow (m³/h)	Inlet Pipe Diameter(mm)	Outlet Pipe Diameter(mm)
SLRP	1.5	15/19	3T	8	51/38
SLRP	1.5	15/19	5T	8	51/38
SLRP	1.5	15/19	10T	8	51/51
SLRP	3	25/28	10T	8	51/51
SLRP	3	25/28	15T	8	63/51
SLRP	4	25/28	20T	8	63/51
SLRP	7.5	25/25	30T	8	76/63

Note: models in capacities of 1T/h to 10T/h in this series could also be with single-phase and 220V(0.37kw-2.2kw) motors, and the rest only work with three-phase 380V motors. Please confirm the voltage and phase type with us before ordering.



A solution with high efficiency, low noise, and simple maintenance.

ZB3A Series Cam Rotor Pump Technical Parameters:

Model No.	Motor Power (kw)	Displacement Per 100 Revolutions(L)	Speed Range (r/min)	Flow (L/H)	Inlet Dia. (mm)
ZB3A-3	0.55	3	200-500	300-800	25/DN20
ZB3A-6	0.75	6	200-500	650-1600	25/DN20
ZB3A-8	1.5	8	200-500	850-2160	38/DN40
ZB3A-12	2.2	12	200-500	1300-3200	38/DN40
ZB3A-20	3	20	200-500	2100-5400	51/DN50
ZB3A-30	4	30	200-500	3200-6400	51/DN50
ZB3A-36	4	36	200-400	3800-7600	63/DN65
ZB3A-52	5.5	52	200-400	5600-11000	76/DN80
ZB3A-66	7.5	70	200-400	7100-14000	63/DN65
ZB3A-78	7.5	78	200-400	9000-18000	76/DN80
ZB3A-100	11	100	200-400	11000-21600	89/DN80
ZB3A-135	15	135	200-400	15000-30000	89/DN80
ZB3A-160	18.5	160	200-400	17000-34000	89/DN80
ZB3A-200	22	200	200-400	21600-43000	89/DN80
ZB3A-300	30	300	200-400	31600-63000	102/DN100

Note: The flow range in the table refers to the data measured when the medium is "water".  
It adopts stepless variable speed motor or frequency converter to adjust the speed range from 200 to 900 rpm. When conveying high viscosity concentrated liquid, the motor power must be increased.

QBSY5 Sanitary Diaphragm Pump Technical Parameters:

Model No.	Flow (T/h)	Dia. (mm)	Lift (m)	Suction (m)	Pressure (mpa)	Air Consumption (scfm)	Partical Dia. (mm)	weight (kg)
QBSY5-20	0.1-1.8	20	0-50	4.5	0.6	12.7	2.5	10
QBSY5-25	0.1-1.8	25	0-50	4.5	0.6	12.7	2.5	10
QBSY5-32	0.1-6	32	0-50	4.5	0.7	23.66	3.2	16.8
QBSY5-38	0.1-6	38	0-50	4.5	0.7	23.66	3.2	16.8
QBSY5-51	0.1-12	51	0-50	5.48	0.75	32	5.5	33
QBSY5-63	0.1-12	63	0-50	5.48	0.75	12.7	5.5	33
QBSY5-76	0.1-22	76	0-50	5.48	0.75	12.7	6.3	54
QBSY5-89	0.1-22	89	0-50	5.48	0.75	12.7	6.3	54



Clamp-connection, easy to clean, and the whole machine is washable.

Sanitary Screw Pump Technical Parameters:

Model No.	Displacement per Speed(L)	Speed Range (r/min)	Capacity (L/H)	Inlet&Outlet Dia. kW	HP	Motor Power inch	mm
SR-1	0.06	50-1000	180-3600	1.5	2	1	25
SR-2	0.11	50-1000	330-6600	2.2	3	2	51
SR-2.5	0.23	50-600	840-11800	3	4	2.5	63
SR-3	0.45	50-600	1350-16200	4	5	3	76
SR-3.5	0.75	50-600	2250-27000	5.5	7	3.5	89
SR-4	1.05	50-600	3150-37800	7.5	10	4	102
SR-6	2.5	50-600	7500-30000	15	20	6	152

G Series Single Screw Pump Technical Parameters:

Model No.	Motor Power (kw)	Motor Speed (r/min)	Flow (m³/h)	Inlet& Outlet Dia. (mm)
G10-1	0.37	1400	0.5	DN20
G15-1	0.55	960	1	DN25
G20-1	0.75	960	1.5	DN32
G25-1	1.1	960	2	DN32
G30-1	1.5	960	3	DN40
G35-1	2.2	960	5	DN50
G40-1	3	960	7	DN50
	2.2	720	5.5	DN50
G45-1	4	960	9	DN50
	3	720	7	DN50
G50-1	5.5	960	13	DN65
	4	720	10	DN65
G55-1	7.5	960	18	DN65
	5.5	720	13	DN65
G65-1	11	720	30	DN80
G85-1	15	720	60	DN100



The food sanitary fluid transfer pump is after more than 20 years of research and development and innovation, product assembly and disassembly cleaning is simple, interchangeability is strong, reversible, conveying material pulse is small, suitable for all kinds of low medium high viscosity, high solid content of material transportation. Based on professional technology, the development of food fluid transport equipment hygiene and safety, has a high influence in the global food industry. Widely used in sugar, chocolate, dairy products, all kinds of syrup, concentrated fruit juice, jelly, yogurt, honey, ice cream, moon cake stuffing, flour slurry, soy protein, meat stuffing, condiments, tomato sauce, hot pot bottom material, bean paste and so on.

Twin Screw Pump Technical Parameters:

Model No.	Motor Power (kw)	Motor Speed (r/min)	Flow (m³/h)	Pressure (bar)	Inlet& Outlet Dia. (mm)
JLS-90	2.2-4	200-2900	3	6-30	DN50
JLS-110	5.5-7.5	200-2900	5	6-30	DN65
JLS-140	11-18.5	200-2900	15	6-30	DN80
JLS-160	22-30	200-2900	30	6-30	DN80
JLS-200	37-55	200-2900	50	6-30	DN100

Installation Method and Place:

It is very necessary to check the following before installation:

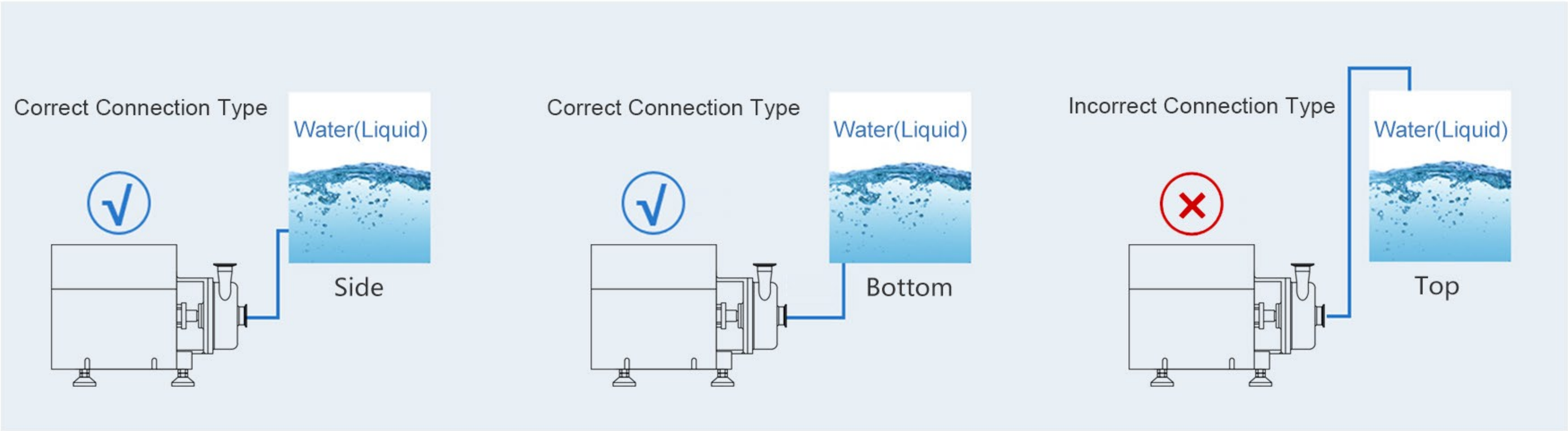
- The drive is in good condition.
- Whether the on-site power supply is the same as the rated power on the motor nameplate.
- Whether it meets the environmental conditions (avoid flammable and explosive environment or acid corrosion environment).

Installation Location:

The installation foundation of the pump should generally be level and sufficient-strengthened ground. Install it as far as possible on the lowest position of the equipment, that is, at the position with the maximum head height.

Piping Installation:

The diameter of pump、 pipe and the inlet and outlet of the pump should be the same, and the diameter of the inlet pipe should not be too small. When the diameter of the pipe is smaller than the diameter of the pump, adjust it with an eccentric reducer to shorten the diameter of the pipe so as to avoid formation of a gas leak. The outlet pipe diameter must not be too large either. When the outlet pipe diameter is larger than the pump outlet, try to extend it. Distance from the pump outlet to avoid overloading the pump motor.





**Q1: What is the lift and flow of this pump?**

A1: The lift and flow of this pump is based on motor power. You can tell us your required flow and head, our engineers will customize the motor for you.

**Q2: What is the motor brand?**

A2: The brand of non-explosion-proof motor is Dedong, and the explosion-proof motor brand is HuXin. If customers require other brands of motor, such as ABB, Siemens, etc., we can also customize it.

**Q3: What is the connection type of the pump?**

A3: There are three connection types, namely clamp connection, thread connection and flange connection. The default connection method is clamp connection.

**Q4: What is concentration of the materials that can be conveyed by the pump?**

A4: The highest concentration is 0.4. Generally, the liquid can be transported as long as it can flow automatically.

**Q5: What is the maximum working temperature of the pump?**

A5: The maximum working temperature is 150 degrees Celsius, and both double seals and water cooling should be used when it is above 100 degrees Celsius.

**Q6: Is there any explosion-proof motor and variable frequency motor available?**

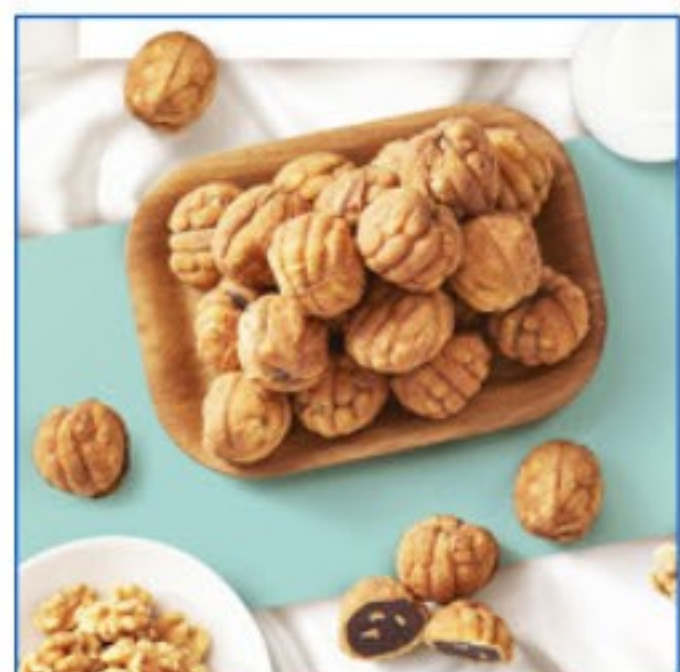
A6: Yes, the explosion-proof motor or variable frequency motor is available according to customers' requirement, but the standard motor is non-explosion-proof and non-variable frequency motor.

**Q7: What is the material of the pump?**

A7: The standard material is 304 stainless steel, and if require 316L stainless steel please advise us before placing the order.

**Q8: What is the motor voltage?**

A8: The standard voltage in China is 3 phase/380v/50hz, and if any other voltage is required, please check with us before order confirmation.



Food Industry



Pharmaceutical



Biochemical



Cosmetic



Drinks



Dairy Products

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