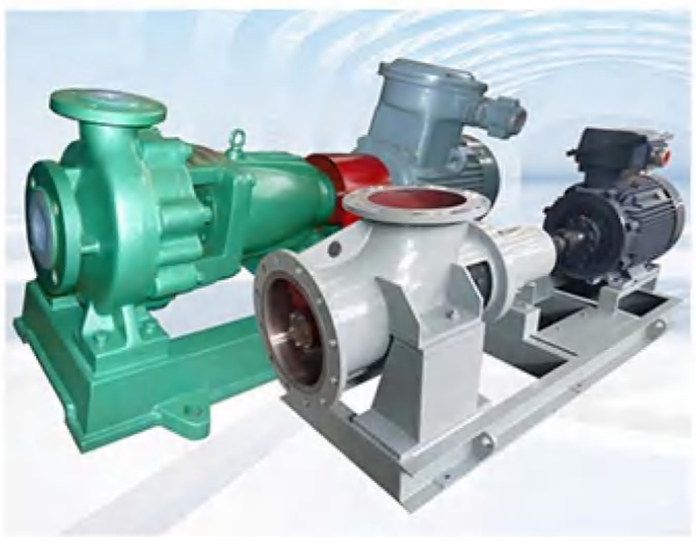
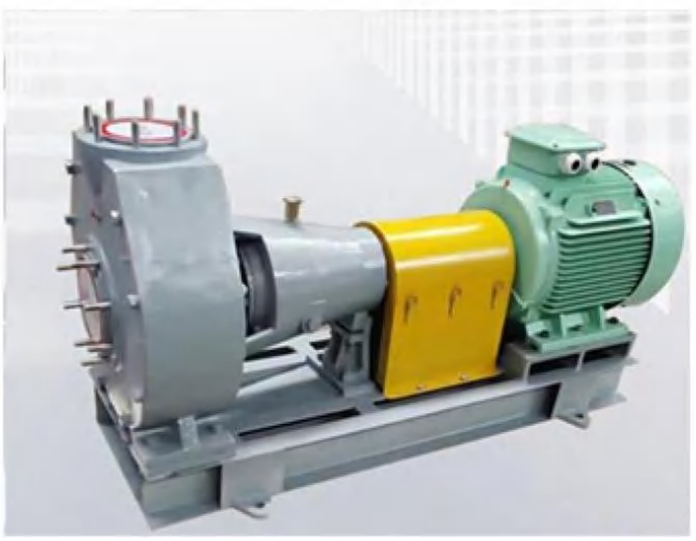
Beloni(Jiangsu) pump manufacturing Co., Ltd





Pursue excellent quality to create ingenious products

公司证明

公司承诺贝洛尼(江苏)泵业制造有限公司(国内)和江苏曼得诺国际贸易有限公司(国外)是一个公司，由于中国政策原因，所以中外公司是分开的。

The company promises that Beloni(Jiangsu)Pump Manufacturing Co., Ltd.(domestic) and Jiangsu Mandeno International Trading Co., Ltd.(foreign)are one company, and due to Chinese policy reasons, So Chinese and foreign companies are separate.

2022年8月16日

贝洛尼（江苏）泵业制造有限公司 3212820986437

江苏曼得诺国际贸易有限公司 3212821004189

COMPANY PROFILE

Belloni (Jiangsu) Pump Manufacturing Co., Ltd. is located at No. 18, Xinfeng Jinqiuzhu Road, Shengci Town, Jingjiang City, the lower reaches of the Yangtze River. The main products are: CQB magnetic pump, FJX forced circulation pump, ZB horizontal self–priming pump, fluorine–lined centrifugal pump, chemical desulfurization pump, horizontal centrifugal pump, underarm pump, split pump, rotor pump, BLN acid–resistant and wear–resistant pump , CZ chemical centrifugal pump, UHB wear–resistant and corrosion–resistant mortar pump, WFB sealless self–control self–priming pump, ZA petrochemical process pump, high–pressure oil pump, vertical pipeline pump, screw pump.Belloni Pump currently has 59 employees, including 12 professional and technical personnel, 6 inspection personnel, more than 100 sets of various gold cutting equipment, computer CAD–aided design, advanced detection and measurement devices, large–scale special processing equipment and Large lifting equipment, etc. The company has the production conditions for the whole process of design, casting, machining, assembly, and testing.At present, the company's products have been widely used in petrochemical, agricultural irrigation and drainage, industrial water supply and drainage, municipal construction, sewage treatment, environmental landscape engineering and other industries.The company provides solutions for the safe transportation of industrial fluids in the world. It is a scientific and technological enterprise integrating chemical pump design, research and development, manufacturing, sales and service. The company's business philosophy of safety first, quality first, and innovation as the source has been recognized by various users in domestic and foreign markets; the company adheres to the core value of "let customers worry–free", Belloni pump industry continues to innovate and improve System service capabilities, committed to providing customers with safe, stable and efficient pump products and services, exceeding customer expectations and enhancing customer value!

Pursue excellent quality to create ingenious products

ISO9001

QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No. : 20223Q20635R0S

We hereby certify that the organization:

Beloni (Jiangsu) Pump Manufacturing Co., Ltd

Unified social credit code: 91321282MA7N37MQ9C

is in conformity with Quality Management System Standard:

GB/T 19001-2016/ISO 9001:2015

The certificate is valid to the following products/service:

Manufacturing and sales of chemical centrifugal pumps; Sales of anti-corrosion equipment

Registration Address: No. 18 Jinqiuzhu Road, Xinfeng, Shengci Town, Jingjiang City, Jiangsu Province, China
Audit Address: Industrial Park, Xinqiao Town, Jingjiang City, Taizhou City, Jiangsu Province, China

Date of Issue: 15-06-2023

Date of Expiry: 14-06-2026

Date of Initial: 15-06-2023

Issued By

中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C197-M

The audit of validity of the certificate, the certificate shall be at least once a year.
The effectiveness of the Certificate is subject to QR Code in the lower left corner.
Meanwhile, you can search the website of certification body: www.qpc.org.cn
or search the CNCA website: www.cnca.gov.cn

ZHEJIANG QUANPIN CERTIFICATION CO.,LTD.
Room 603, Floor 6, Building 1, No.88, Puyan Road, Puyan Street, Binjiang District, Hangzhou City, Zhejiang Province, China 310053 WEB: Http://www.qpc.org.cn

ISO14001

ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

Certificate No.：20223E20250R0S

We hereby certify that the organization:

Beloni (Jiangsu) Pump Manufacturing Co., Ltd

Unified social credit code: 91321282MA7N37MQ9C

is in conformity with Environmental Management System Standard：

GB/T 24001-2016/ISO 14001:2015

The certificate is valid to the following products/service：

Manufacturing and sales of chemical centrifugal pumps; Sales and related management activities of anti-corrosion equipment

Registration Address: No. 18 Jinqiuzhu Road, Xinfeng, Shengci Town, Jingjiang City, Jiangsu Province, China
Audit Address: Industrial Park, Xinqiao Town, Jingjiang City, Taizhou City, Jiangsu Province, China

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CNAS C197-M

Zhejiang Quanpin Certification CO.,LTD. Certificates Appropriation

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or search the CNCA website: www.cnca.gov.cn

ZHEJIANG QUANPIN CERTIFICATION CO.,LTD.
Room 603, Floor 6, Building 1, No.88, Puyan Road, Puyan Street, Binjiang District, Hangzhou City, Zhejiang Province, China 310053 WEB：Http://www.qpc.org.cn

ISO45001

OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE

Certificate No.：20223S20237R0S

We hereby certify that the organization:

Beloni (Jiangsu) Pump Manufacturing Co., Ltd

Unified social credit code: 91321282MA7N37MQ9C

is in conformity with Occupational Health Safety Management System Standard：

GB/T 45001-2020/ISO 45001:2018

The certificate is valid to the following products/service：

Manufacturing and sales of chemical centrifugal pumps; Sales and related management activities of anti-corrosion equipment

Registration Address: No. 18 Jinqiuzhu Road, Xinfeng, Shengci Town, Jingjiang City, Jiangsu Province, China
Audit Address: Industrial Park, Xinqiao Town, Jingjiang City, Taizhou City, Jiangsu Province, China

Date of Issue: 15-06-2023

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Room 603, Floor 6, Building 1, No.88, Puyan Road, Puyan Street, Binjiang District, Hangzhou City, Zhejiang Province, China 310053 WEB：Http://www.qpc.org.cn

ЕВРАЗИЙСКИЙ ЭКОНОМИЧЕСКИЙ СОЮЗ
ДЕКЛАРАЦИЯ О СООТВЕТСТВИИ

Заявитель ОБЩЕСТВО С ОГРАНИЧЕННОЙ ОТВЕТСТВЕННОСТЬЮ "ТЕСТКО РУС"
Место нахождения (адрес юридического лица) и адрес места осуществления деятельности: 121087, Россия, город Москва, ул. Барклая, Д. 6, Стр. 3 , Эт 5 Пом Xliv Ком 65
Основной государственный регистрационный номер 1197746107536.
Телефон: +7 495 142 12 91 Адрес электронной почты: Test-ko@bk.ru
в лице Генерального директора Новосельцева Сергея Борисовича
заявляет, что Химический центробежный насос Серии GSB(OH6), KDM(BB3), KDS(BB4), KDZ(BB5), KSG(BB2), WBA(BB1), WBB(BB2), WBC(BB3), WBD(BB4), WMC(OH2), WVA(VS1), WVI, WVM, WVS, WZF, YL, SJB, TLB, YMGW, IHF, CQM, HZA/HZE, WFB, FJX, LJYA, IH, YMTL, WB, IHG, BCZ, CPN, YL, ZJ/ZJL, ZGB, HS Торговая марка «Beloni».
Изготовитель Beloni (Jiangsu)Pump Manufacturing Co., Ltd
Место нахождения (адрес юридического лица) и адрес места осуществления деятельности по изготовлению продукции: Китай, No.18, Xinfeng Jinqiuzhu Road, Shengci Town, Jingjiang City, China
Код (коды) ТН ВЭД ЕАЭС: 841370
Серийный выпуск
соответствует требованиям
Технического регламента Таможенного союза "О безопасности машин и оборудования" (ТР ТС 010/2011)
Технического регламента Таможенного союза "Электромагнитная совместимость технических средств" (ТР ТС 020/2011)
Декларация о соответствии принята на основании
Протокола испытаний № 19-04/DST-104 от 19.04.2024 года, выданного Испытательной лабораторией «ЕАС-СТАНДАРТ» в составе Общества с ограниченной ответственностью «ЕАС-ПОИНТ» (регистрационный номер аттестата аккредитации МСК RU.31734.ИЛ0921)
Схема декларирования соответствия: 1д
Дополнительная информация
Декларация соответствия распространяется на продукцию, изготовленную с даты изготовления отобранных образцов (проб) продукции, прошедших исследования (испытания) и измерения, указанную в акте(ах) отбора.

Декларация о соответствии действительна с даты регистрации по 18.04.2027 включительно.

М.П.

(подпись) Новосельцев Сергей Борисович (Ф.И.О. заявителя)

Регистрационный номер декларации о соответствии: ЕАЭС N RU Д-CN.PA03.B.78190/24

Дата регистрации декларации о соответствии: 19.04.2024

IDEA

Safety

The R&D team of Mandeno Pump Industry consistently adheres to the concept of safety first in the technical development process, ensuring the safe production of equipment, and further improving the safety of products.

Reliable

Reliable production comes from a professional level, a focused attitude, and a focused pursuit. Every pump product is our professional, dedicated, and dedicated scientific research achievement. Reliable operation is the best embodiment of product quality and an important working principle to win customers.

Modern

Designers comprehensively consider unreasonable factors in the design, and the entire machine is designed to achieve functionality, ensuring accuracy as the design criterion to eliminate impractical functions and reduce the probability of malfunctions. The latest technology, latest craftsmanship, and one of the important guarantees for product production.

Stablize

Using modern technological strength to create the most competitive products in the market. The pursuit of excellence in innovation is a development principle that Beloni Pump has always adhered to. All products have undergone strict stability testing to ensure their long-term and effective stable operation


水泵测试中心

SJB type
Acid resistant and wear-resistant pump

Overview

The flow components of the SJB acid resistant and wear-resistant pump, including the pump body, impeller, and pump cover, are made of non-metallic materials with high mechanical strength, wear resistance, and corrosion resistance. They are molded into shape at high temperature and pressure in one go. The shell is made of high-quality A3 steel that is resistant to compression and impact. The pump uses an internal mechanical seal. The mechanical sealing surface material is currently non pressure sintered silicon carbide with excellent corrosion resistance and wear resistance, combined with high-quality "O" type sealing rings. The sealing system technology is unique and has a long service life. The impeller is a single suction, radial, and semi open type (closed type for imported DN150 and above models), with dynamic balance complying with ISOG6.3.

Application scope

The ISJB type acid resistant and wear-resistant pump has a wide range of applications.

Transport medium: Strong corrosive medium with a solid content below 40% (volume ratio) and a temperature below 150C (depending on the material)

Chemical industry

Transportation and circulation of various acids, alkalis, salts, organic chemicals, and corrosive slurries.

Pickling industry

Acid circulation pump, waste acid pump. Including stainless steel mixed acid pickling (hydrofluoric acid and nitric acid mixed acid, hydrofluoric acid and sulfuric acid mixed acid and others), carbon steel plate hydrochloric acid pickling, bowl plate and other metal plates pickling.

Acid regeneration industry

Waste acid delivery pump, acid supply pump, and acid circulation pump.

Oxidation industry

The oxidation circulation pump, sealing circulation pump, coloring circulation pump, and soup washing circulation pump used for aluminum oxidation.

Desulfurization industry

Slurry circulating pumps used for ammonia desulfurization, magnesium oxide desulfurization, etc.

Other industries

Model Meaning

example: SJB 150-125-315 A

Performance parameter table

model	flow	lift	power	efficiency	speed	flow	lift	power	efficiency	speed
	m^3/h	m	kW	%	r/min	m^3/h	m	kW	%	r/min
SJB32-25-160	3.2	32	3	39	2950	1.6	8	1.5	35	1450
SJB40-32-125	6.3	20	2.2	52	2950	3.2	5	1.1	46	1450
SJB40-32-160	6.3	32	4	47	2950	3.2	8	1.5	42	1450
SJB40-32-200	6.3	50	7.5	38	2950	3.2	12.5	2.2	38	1450
SJB40-32-250	6.3	80	15	32	2950	3.2	20	3	35	1450
SJB50-32-125	12.5	20	4	36	2950	6.3	5	1.5	30	1450
SJB50-32-160	12.5	32	5.5	31	2950	6.3	8	2.2	25	1450
SJB50-32-200	12.5	50	11	24	2950	6.3	12.5	3	18	1450
SJB50-32-250	12.5	80	15	23	2950	6.3	20	4	20	1450
SJB65-50-125	25	20	5.5	46	2950	12.5	5	1.5	40	1450
SJB65-50-160	25	32	7.5	42	2950	12.5	8	2.2	36	1450
SJB65-40-200	25	50	15	37	2950	12.5	12.5	3	31	1450
SJB65-40-250	25	80	18.5	31	2950	12.5	20	5.5	27	1450
SJB65-40-315						12.5	32	7.5	23	1450
SJB80-65-125	50	20	7.5	57	2950	25	5	1.5	54	1450
SJB80-65-160	50	32	15	51	2950	25	8	2.2	46	1450
SJB80-50-200	50	50	18.5	47	2950	25	12.5	3	42	1450
SJB80-50-250	50	80	37	42	2950	25	20	5.5	38	1450
SJB80-50-315						25	32	11	30	1450
SJB80-50-400						25	50	15	24	1450
SJB100-80-125	100	20	15	61	2950	50	5	2.2	57	1450
SJB100-80-160	100	32	18.5	57	2950	50	8	4	53	1450
SJB100-65-200	100	50	30	56	2950	50	12.5	5.5	52	1450
SJB100-65-250	100	80	55	54	2950	50	20	7.5	49	1450
SJB100-65-315						50	32	15	43	1450
SJB100-65-400						50	50	30	29	1450

Performance parameter table

model	flow	lift	power	efficiency	speed	flow	lift	power	efficiency	speed
	m^3/h	m	kW	%	r/min	m^3/h	m	kW	%	r/min
SJB125-100-200	200	50	55	61	2950	100	12.5	11	57	1450
SJB125-100-250	200	80	90	59	2950	100	20	15	56	1450
SJB125-100-315						100	32	22	52	1450
SJB125-100-400						100	50	37	49	1450
SJB150-125-250						200	20	22	61	1450
SJB150-125-315						200	32	37	59	1450
SJB150-125-400						200	50	55	57	1450
SJB200-150-250						400	20	45	65	1450
SJB200-150-315						400	32	75	63	1450
SJB200-150-400						400	50	110	62	1450
SJB200-150-450						400	60	132	58	1450
SJB250-200-400						600	40	132	85	1450
						400	20	37	82	980
SJB300-250-400						1200	40	280	85	1450
						800	20	90	83	980

chemical pump

Overview

The series of high-efficiency, energy-saving, and non clogging chemical pumps are improved on the basis of the 1H chemical pump. Advanced foreign technology has been introduced in the sealing structure, which has changed the disadvantage of the 1H pump being able to only transport media with physical properties similar to water (without impurities and particles). Due to the advanced, scientific, and unique sealing technology. This pump can transport materials with a weekly content of up to 35%: it works continuously for 8000 hours without leakage in the main hall, which is 3-5 times the original sealing effect of H. The impeller is an open structure, so it will not be blocked due to high solid content of the medium. This pump is currently the most ideal advanced equipment for transporting various materials in the chemical industry. Our company can use different materials to produce this pump according to different media. Currently, we usually produce materials such as 321, 304, 316316L, duplex steel, CD4MCu, etc., fully achieving the effect of corrosion resistance and wear resistance.

Performance parameter range

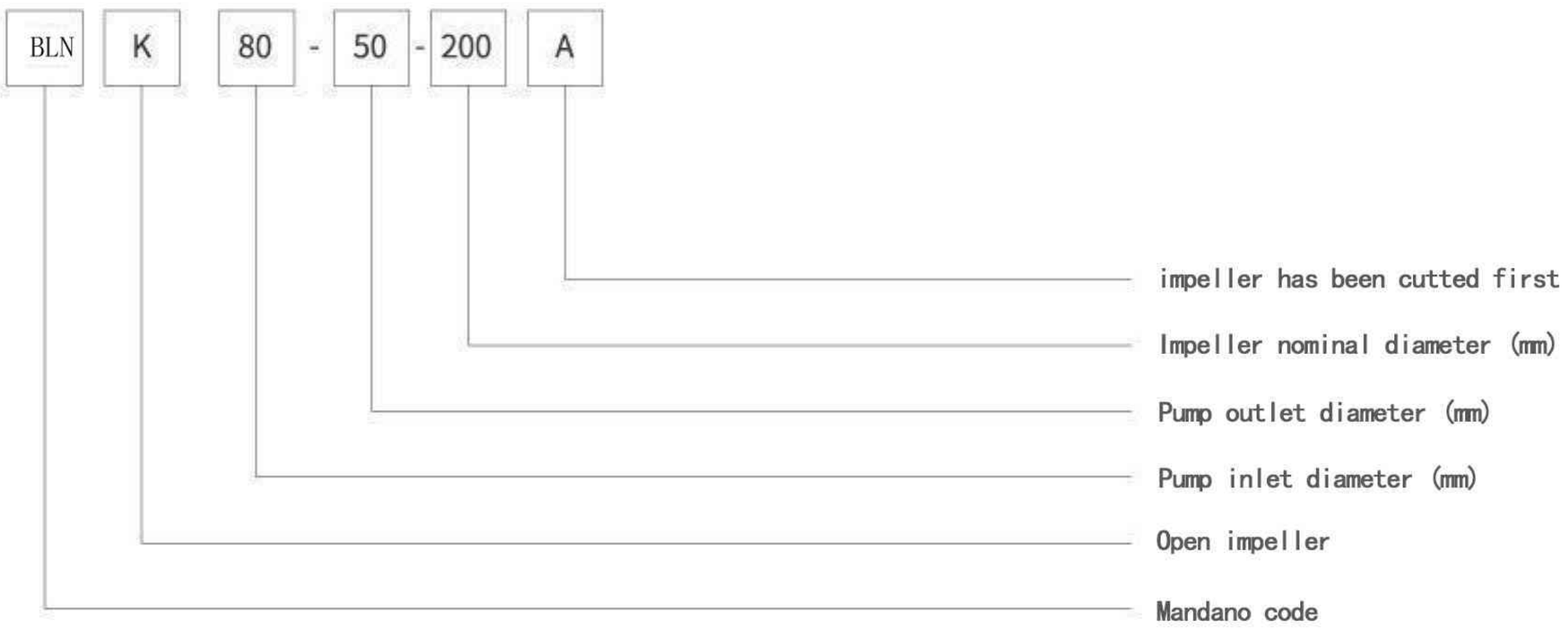
flow
1.6-3000m³/h

lift
5-125m

caliber
DN25-DN500mm

Model Meaning

example: BLNK 80-50-200 A



Performance parameter table

model	flow	lift	power	efficiency	speed	flow	lift	power	efficiency	speed
	m^3/h	m	kW	%	r/min	m^3/h	m	kW	%	r/min
BLNK 25-25-125	3.2	20	1.5	35	2950	1.6	5	1.1	30	1450
BLNK 25-25-160	3.2	32	3	30	2950	1.6	8	1.5	25	1450
BLNK 25-25-200	3.2	50	5.5	27	2950	1.6	12.5	2.2	22	1450
BLNK 25-25-250	3.2	80	7.5	17	2950	1.6	20	3	14	1450
BLNK 40-32-125	6.3	20	2.2	48	2950	3.2	5	1.1	43	1450
BLNK 40-32-160	6.3	32	3	36	2950	3.2	8	1.5	32	1450
BLNK 40-32-200	6.3	50	5.5	34	2950	3.2	12.5	2.2	30	1450
BLNK 40-32-250	6.3	80	11	26	2950	3.2	20	3	21	1450
BLNK 50-32-125	12.5	20	3	51	2950	6.3	5	1.1	45	1450
BLNK 50-32-160	12.5	32	4	46	2950	6.3	8	2.2	40	1450
BLNK 50-32-200	12.5	50	7.5	39	2950	6.3	12.5	3	33	1450
BLNK 50-32-250	12.5	80	15	33	2950	6.3	20	4	27	1450
BLNK 65-50-125	25	20	3	62	2950	12.5	5	1.5	55	1450
BLNK 65-50-160	25	32	5.5	57	2950	12.5	8	2.2	51	1450
BLNK 65-40-200	25	50	11	52	2950	12.5	12.5	3	46	1450
BLNK 65-40-250	25	80	18.5	46	2950	12.5	20	4	39	1450
BLNK 65-40-315	25	125	30	39	2950	12.5	32	7.5	33	1450
BLNK 65-40-400						12.5	50		27	1450
BLNK 80-65-125	50	20	5.5	69	2950	25	5	1.5	64	1450
BLNK 80-65-160	50	32	11	67	2950	25	8	2.2	62	1450
BLNK 80-50-200	50	50	18.5	63	2950	25	12.5	3	57	1450
BLNK 80-50-250	50	80	30	53	2950	25	20	5.5	50	1450
BLNK 80-50-315	50	125	45	48	2950	25	32	11	43	1450
BLNK 80-50-400						25	50	18.5	37	1450
BLNK 80-50-450						25	65	30	32	1450
BLNK 100-80-125	100	20	11	77	2950	50	5	2.2	74	1450
BLNK 100-80-160	100	32	18.5	73	2950	50	8	4	69	1450
BLNK 100-65-200	100	50	37	72	2950	50	12.5	5.5	68	1450
BLNK 100-65-250	100	80	55	68	2950	50	20	7.5	65	1450
BLNK 100-65-315	100	125	75	65	2950	50	32	11	58	1450
BLNK 100-65-400						50	50	30	50	1450
BLNK 100-65-450						50	65	45	45	1450
BLNK 100-65-500						50	80	55	36	1450
BLNK 125-100-200	200	50	45	77	2950	100	12.5	7.5	73	1450
BLNK 125-100-250	200	80	75	75	2950	100	20	11	72	1450
BLNK 125-100-315	200	125	132	70	2950	100	32	18.5	68	1450
BLNK 125-100-400						100	50	30	60	1450
BLNK 125-100-450						100	65	55	58	1450
BLNK 150-125-250						200	20	18.5	77	1450
BLNK 150-125-315						200	32	30	75	1450
BLNK 150-125-400						200	50	45	70	1450
BLNK 150-125-450						200	65	75	66	1450
BLNK 200-150-250						400	20	37	81	1450

Performance parameter table

model	flow	lift	power	efficiency	speed	flow	lift	power	efficiency	speed
	m^3/h	m	kW		r/min	m^3/h	m	kW	%	r/min
BLNK 200-150-315						400	32	55	79	1450
BLNK 200-150-400						400	50	90	78	1450
						270	23	30	78	980
BLNK 200-150-500						400	80	160	75	1450
						270	36	55	75	980
BLNK 250-200-400						600	40	132	85	1450
						400	20	37	82	980
						306	12	30	81	750
BLNK 250-200-500						600	70	160	84	1450
						400	32	55	79	980
						306	18	37	78	750
BLNK 250-200-600						600	100	315	80	1450
						400	50	110	75	980
						306	29	55	74	750
BLNK 300-250-400						1200	40	280	85	1450
						800	20	90	83	980
						610	12	45	82	750
						480	7	22	80	590
BLNK 300-250-450						1000	20	110	84	980
BLNK 300-250-500						1200	70	315	83	1450
						800	32	132	82	980
						610	18	55	81	750
						480	11	30	79	590
BLNK 300-250-600						800	50	200	79	980
						610	29	90	78	750
						480	18	45	76	590
BLNK 350-300-450						1500	20	132	86	980
						1140	12	75	85	750
						900	7	37	84	590
BLNK 350-300-550						1500	32	200	85	980
						1140	18	110	84	750
						900	11	55	83	590
BLNK 350-300-650						1500	50	315	83	980
						1140	29	160	83	750
						900	18	75	82	590
BLNK 400-350-450						2000	20	200	87	980
						1500	12	110	86	750
						1200	8	45	85	590
BLNK 400-350-550						2000	32	280	86	980
						1500	19	132	85	750
						1200	12	55	84	590
BLNK 400-350-650						2000	50	450	87	980
						1500	32	200	86	750

Performance parameter table

model	flow	lift	power	efficiency	speed	flow	lift	power	efficiency	speed
	m^3/h	m	kW		r/min	m^3/h	m	kW	%	r/min
						1300	20	132	85	590
BLNK 450–400–500						2500	20	250	87	980
						1900	12	110	86	750
						1500	8	55	85	590
BLNK 450–400–600						2500	32	355	88	980
						1900	19	160	87	750
						1500	12	110	86	590
BLNK 450–400–700						2500	50	560	87	750
						2000	32	280	86	590
						1700	20	160	85	500
BLNK 500–450–600						3000	20	250	88	750
						2360	12	132	87	590
						2000	8	75	86	500
BLNK 500–450–700						3000	32	400	87	750
						2360	20	250	86	590
						2000	14	132	85	500
BLNK 500–450–800						3000	50	630	85	750
						2360	30	315	84	590
						2000	21	200	83	500

TLB desulfurization pump

Overview

The TLB type desulfurization pump is mainly used as the main circulation pump of the absorption tower in wet FGD devices. The main materials are dual phase steel 2507 (SAF2507, equivalent to German standard 1.4410), Cr30A, etc. Suitable materials can be selected according to different desulfurization conditions, and the design structure can be optimized to ensure efficient and economical operation.

Structure and application scope

The desulfurization pump head mainly consists of suction cover, pump body, front lining plate, impeller, rear lining plate, pump cover, shaft, shaft sleeve, mechanical seal and other components.
The pump is a post disassembly structure, which allows for the replacement of vulnerable parts without dismantling the pipeline.
The inlet direction is horizontal, and the outlet is vertical upwards.
The TLB desulfurization pump can be applied to the following desulfurization process systems:
Limestone/lime gypsum method
Magnesium oxide wet process
Ammonia washing method
The allowable chloride ion content in the slurry can reach 60000 ppm, and the pH value of the slurry is allowed to be between 2.5 and 13.
*Please confirm the process status when placing an order.

Model Meaning

example: SJB 150-125-315 A

Performance parameter table

model	flow	lift	power	efficiency	speed	flow	lift	power	efficiency	speed
	m^3/h	m	kW	%	r/min	m^3/h	m	kW	%	r/min
TLB25-25-125	3.2	20	2.2	12	2950	1.6	5	1.5	10	1450
TLB25-25-160	3.2	32	3	10	2950	1.6	8	1.5	8	1450
TLB25-25-200	3.2	50	5.5	13	2950	1.6	12.5	2.2	11	1450
TLB25-25-250	3.2	80	7.5	8	2950	1.6	20	3	8	1450
TLB40-32-125	6.3	20	3	23	2950	3.2	5	1.5	20	1450
TLB40-32-160	6.3	32	3	20	2950	3.2	8	2.2	18	1450
TLB40-32-200	6.3	50	5.5	23	2950	3.2	12.5	3	21	1450
TLB40-32-250	6.3	80	11	19	2950	3.2	20	3	16	1450
TLB50-32-125	12.5	20	3	51	2950	6.3	5	1.5	45	1450
TLB50-32-160	12.5	32	4	46	2950	6.3	8	2.2	40	1450
TLB50-32-200	12.5	50	7.5	39	2950	6.3	12.5	3	33	1450
TLB50-32-250	12.5	80	15	33	2950	6.3	20	4	27	1450
TLB65-50-125	25	20	3	62	2950	12.5	5	2.2	55	1450
TLB65-50-160	25	32	5.5	57	2950	12.5	8	3	51	1450
TLB65-40-200	25	50	11	52	2950	12.5	12.5	3	46	1450
TLB65-40-250	25	80	18.5	46	2950	12.5	20	4	39	1450
TLB65-40-315	25	125	30	39	2950	12.5	32	7.5	33	1450
TLB65-40-400						12.5	50	18.5	27	1450
TLB80-65-125	50	20	5.5	69	2950	25	5	2.2	64	1450
TLB80-65-160	50	32	11	67	2950	25	8	3	62	1450
TLB80-50-200	50	50	18.5	58	2950	25	12.5	4	57	1450
TLB80-50-250	50	80	30	53	2950	25	20	5.5	50	1450
TLB80-50-315	50	125	45	48	2950	25	32	7.5	43	1450
TLB80-50-400						25	50	18.5	37	1450
TLB80-50-450						25	65	30	32	1450
TLB100-80-125	100	20	11	66	2950	50	5	2.2	74	1450
TLB100-80-160	100	32	18.5	58	2950	50	8	4	69	1450
TLB100-65-200	100	50	37	53	2950	50	12.5	5.5	68	1450
TLB100-65-250	100	80	55	50	2950	50	20	7.5	65	1450

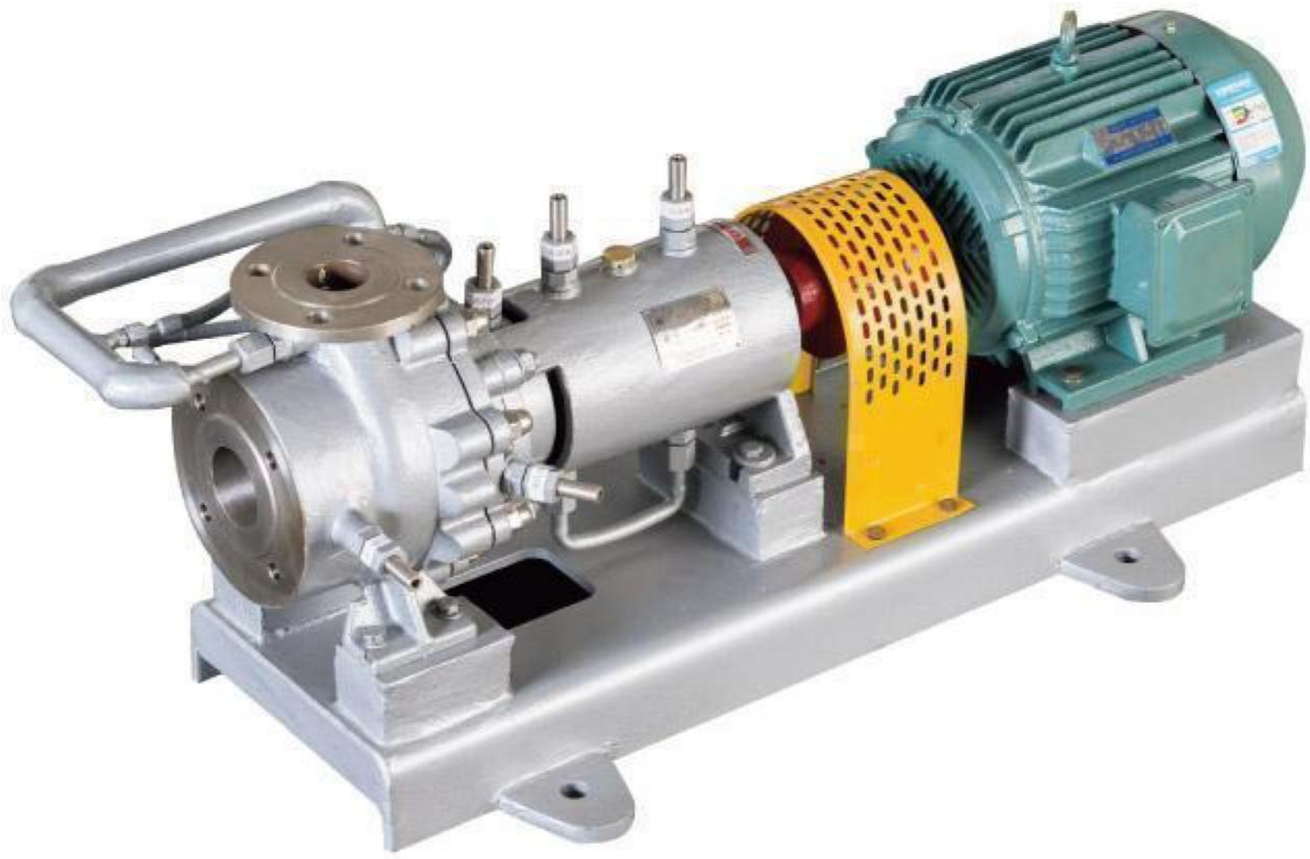
Performance parameter table

model	flow	lift	power	efficiency	speed	flow	lift	power	efficiency	speed
	m^3/h	m	kW	%	r/min	m^3/h	m	kW	%	r/min
TLB100-65-315						50	32	11	58	1450
TLB100-65-400						50	50	30	50	1450
TLB100-65-450						50	65	45	45	1450
TLB100-65-500						50	80	55	36	1450
TLB125-100-200	200	50	45	77	2950	100	12.5	7.5	73	1450
TLB125-100-250	200	80	75	75	2950	100	20	11	72	1450
TLB125-100-315						100	32	18.5	68	1450
TLB125-100-400						100	50	37	60	1450
TLB125-100-450						100	65	55	58	1450
TLB150-125-250						200	20	22	77	1450
TLB150-125-315						200	32	30	75	1450
TLB150-125-400						200	50	45	70	1450
TLB150-125-450						200	65	75	66	1450
TLB200-150-250						400	20	37	81	1450
TLB200-150-315						400	32	55	79	1450
TLB200-150-400						400	50	90	78	1450
						270	23	30	78	980
TLB200-150-500						400	80	160	75	1450
						270	36	55	75	980
TLB250-200-400						600	40	132	85	1450
						400	20	37	82	980
						306	12	30	81	750
TLB250-200-500						600	70	160	84	1450
						400	32	55	79	980
						306	18	37	78	750
TLB250-200-600						600	100	315	80	1450
						400	50	110	75	980
						306	29	55	74	750
TLB300-250-400						1200	40	280	85	1450
						800	20	75	83	980
						610	12	45	82	750
						480	7	22	80	590
TLB300-250-500						1200	70	315	83	1450
						800	32	132	82	980
						610	18	55	81	750
						480	11	30	79	590
TLB300-250-600						800	50	200	79	980
						610	29	90	78	750
						480	18	45	76	590
TLB350-300-450						1500	20	132	86	980
						1140	12	75	85	750
						900	7	37	84	590
TLB350-300-550						1500	32	200	85	980
						1140	18	110	84	750

Performance parameter table

model	flow	lift	power	efficiency	speed	flow	lift	power	efficiency	speed
	m³/h	m	kW	%	r/min	m³/h	m	kW	%	r/min
						900	11	55	83	590
TLB350-300-650						1500	50	315	83	980
						1140	29	160	83	750
						900	18	75	82	590
TLB400-350-450						2000	20	200	87	980
						1500	12	110	86	750
						1200	8	45	85	590
TLB400-350-550						2000	32	280	86	980
						1500	19	132	85	750
						1200	12	55	84	590
TLB400-350-650						2000	50	450	87	980
						1500	32	200	86	750
						1300	20	132	85	590
TLB450-400-500						2500	20	250	87	980
						1900	12	110	86	750
						1500	8	55	85	590
TLB450-400-600						2500	32	355	88	980
						1900	19	160	87	750
						1500	12	110	86	590
TLB450-400-700						2500	50	560	87	750
						2000	32	280	86	590
						1700	20	160	85	500
TLB500-450-600						3000	20	250	88	750
						2360	12	132	87	590
						2000	8	75	86	500
TLB500-450-700						3000	32	400	87	750
						2360	20	250	86	590
						2000	14	132	85	500
TLB500-450-800						3000	50	630	85	750
						2360	30	315	84	590
						2000	21	200	83	500

High temperature pump



Overview

The GW series urea melting high-temperature pump is a single stage single suction chemical centrifugal pump developed by our company according to the needs of transporting high-temperature media or low-temperature easy crystallization and solidification media in special sections of the fertilizer industry.

Main features

Suitable for conveying high-temperature media or low-temperature easily crystallized and solidified media
Long service life of mechanical seals and bearings
Steam or hot water insulation can be used

Applications

Fertilizer industry and industries with equivalent media

performance parameter

Flow
1.6-400m³/h

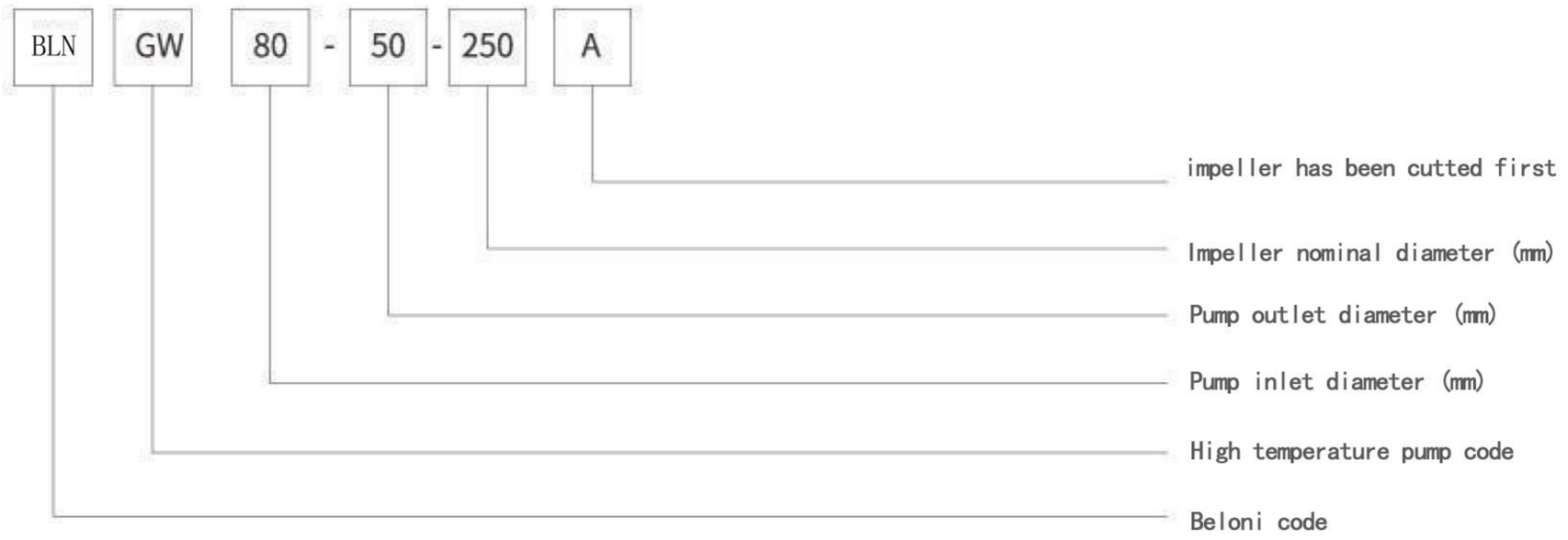
Lift
5-125m

Caliber
DN25-DN200mm

Material of overcurrent components: SUS304、SUS316L、SUS904 class

Model Meaning

example: BLN GW 80-50-250 A



Performance parameter table

model	Rated speed of pump n=2950r/min					Rated speed of pump n=1450r/min				
	flow	lift	power	efficiency	Required NPSH	flow	lift	power	efficiency	Required NPSH
	m^3/h	m	kW	%	m	m^3/h	m	kW	%	m
BLNGW25-25-125	3.2	20	1.5	35	5.0	1.6	5	1.1	30	2.5
BLNGW25-25-160	3.2	32	2.2	30	3.5	1.6	8	1.5	25	1.8
BLNGW25-25-200	3.2	50	5.5	27	4.0	1.6	12.5	2.2	22	2.0
BLNGW25-25-250	3.2	80	7.5	17	4.5	1.6	20	3	13	2.2
BLNGW40-32-125	6.3	20	2.2	52	4.0	3.2	5	1.1	47	2.0
BLNGW40-32-160	6.3	32	3	36	3.5	3.2	8	1.5	31	1.8
BLNGW40-32-200	6.3	50	5.5	34	3.5	3.2	12.5	2.2	29	1.8
BLNGW40-32-250	6.3	80	11	26	4.5	3.2	20	3	21	2.2
BLNGW50-32-125	12.5	20	3	51	2.0	6.3	5	1.1	45	1.0
BLNGW50-32-160	12.5	32	4	46	2.0	6.3	8	2.2	40	1.0
BLNGW50-32-200	12.5	50	7.5	39	2.0	6.3	12.5	3	33	1.0
BLNGW50-32-250	12.5	80	15	33	2.0	6.3	20	4	27	1.0
BLNGW65-50-125	25	20	3	62	2.0	12.5	5	1.5	55	1.2
BLNGW65-50-160	25	32	5.5	57	2.0	12.5	8	2.2	51	1.2
BLNGW65-40-200	25	50	11	52	2.0	12.5	12.5	3	46	1.2
BLNGW65-40-250	25	80	18.5	46	2.0	12.5	20	4	39	1.2
BLNGW65-40-315	25	125	30	39	2.0	12.5	32	7.5	33	1.2
BLNGW65-40-400						12.5	50	18.5	27	1.2
BLNGW80-65-125	50	20	5.5	69	2.4	25	5	1.5	64	1.4
BLNGW80-65-160	50	32	11	67	2.4	25	8	2.2	62	1.4
BLNGW80-50-200	50	50	18.5	63	2.4	25	12.5	3	57	1.4
BLNGW80-50-250	50	80	30	57	2.4	25	20	5.5	53	1.4
BLNGW80-50-315	50	125	45	48	2.4	25	32	11	43	1.4
BLNGW80-50-400						25	50	18.5	37	1.4
BLNGW100-80-125	100	20	11	77	4.5	50	5	2.2	74	1.7
BLNGW100-80-160	100	32	18.5	73	4.3	50	8	4	69	1.7
BLNGW100-65-200	100	50	37	72	3.9	50	12.5	5.5	68	1.7
BLNGW100-65-250	100	80	55	68	3.6	50	20	7.5	65	1.7
BLNGW100-65-315						50	32	11	58	1.7
BLNGW100-65-400						50	50	30	29	1.7
BLNGW125-100-200	200	50	45	77	4.5	100	12.5	7.5	73	2.2
BLNGW125-100-250	200	80	75	75	4.5	100	20	11	72	2.2
BLNGW125-100-315						100	32	18.5	68	2.2
BLNGW125-100-400						100	50	30	60	2.2
BLNGW150-125-250						200	20	18.5	77	3.2
BLNGW150-125-315						200	32	30	75	3.2
BLNGW150-125-400						200	50	45	70	3.2
BLNGW150-125-450						200	65	75	66	3.2
BLNGW200-150-250						400	20	37	81	4.5
BLNGW200-150-315						400	32	55	79	4.5
BLNGW200-150-400						400	50	90	78	4.5

YL type
filter press special pump

Overview

The YL series filter press special pump is a horizontal single stage single suction centrifugal pump developed on the basis of similar imported equipment, combined with the usage characteristics and requirements of domestic filter presses, and introduced, digested, and absorbed advanced German technology. It is an ideal special equipment for matching filter presses, solving the performance parameter

Main features

Flow	Lift	Working pressure	temperature
1.6-400m³/h	5-125m	≤1.6MPa	0-150℃

Applications

Designed entirely around factors such as operating conditions and usage requirements of the medium conveyed by the filter press. The impeller adopts a semi open type, with a wide flow channel, which is not easy to block and is resistant to particle formation; The sealing form adopts advanced mechanical sealing technology from Germany, and the sealing end face is made of high-quality overall hard alloy with good wear and corrosion resistance; The suspension components are long, so the pump runs smoothly, has low noise, good sealing effect, is easy to maintain, and has a long service life. It is suitable for supporting various filter presses exhibition

Our company produces special pumps for filter presses of different materials based on the different media conveyed by the filter presses. The materials include 304, 316L, A3, duplex stainless steel, F46, UHMWPE, and other materials.

Model Meaning

example: YL 80-50-200 A

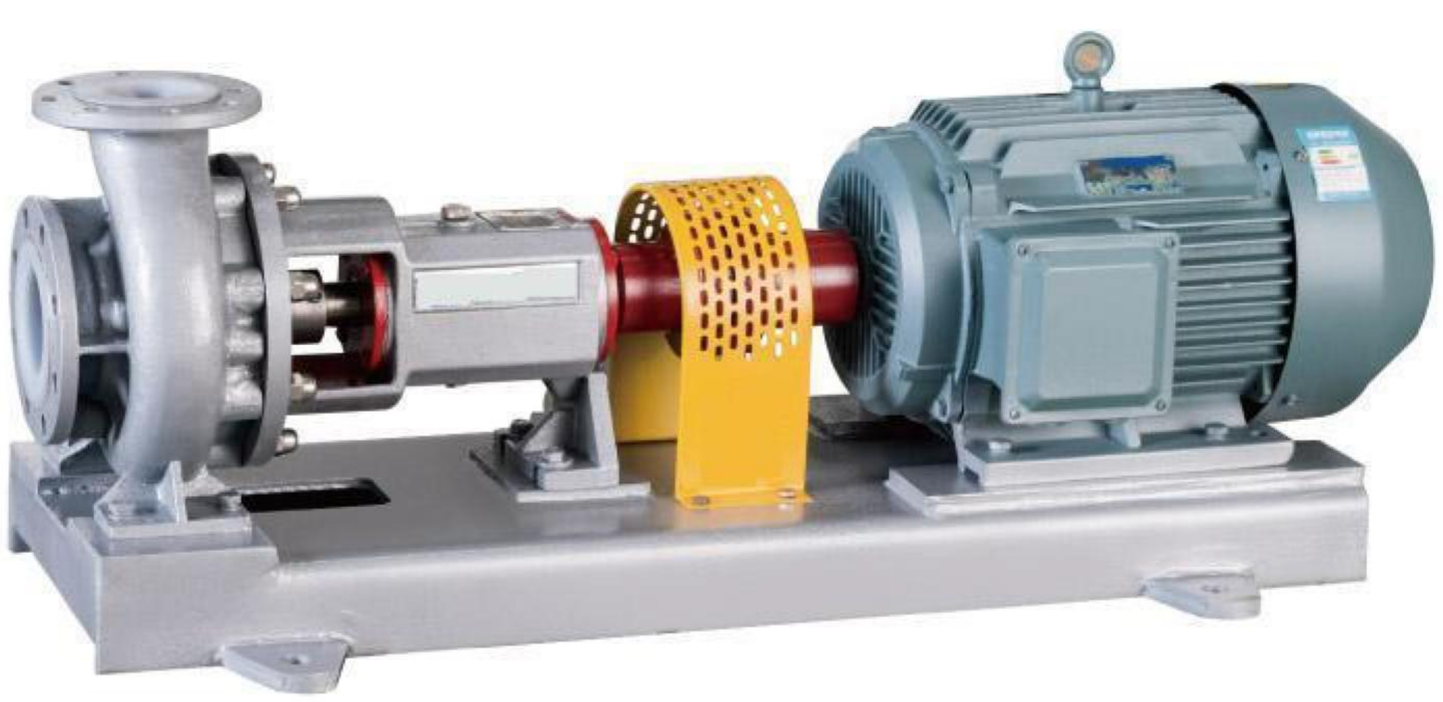
YL - 80 - 50 - 200 - A

- A: impeller has been cutted first
- 200: Impeller nominal diameter (mm)
- 50: Pump outlet diameter (mm)
- 80: Pump inlet diameter (mm)
- YL: Filter press professional pump

Performance parameter table

Rated speed of pump n=2950r/min						Rated speed of pump n=1450r/min				
model	flow	lift	power	efficiency	Required NPSH	flow	lift	power	efficiency	Required NPSH
	m^3/h	m	kW	%	m	m^3/h	m	kW	%	m
YL25-25-125	3.2	20	2.2	15	5.0	1.6	5	1.1	13	2.5
YL25-25-160	3.2	32	3	13	3.5	1.6	8	1.1	10	1.8
YL25-25-200	3.2	50	5.5	18	4.0	1.6	12.5	1.5	15	2.0
YL25-25-250	3.2	80	7.5	11	4.5	1.6	20	2.2	9	2.2
YL40-32-125	6.3	20	2.2	27	4.0	3.2	5	1.1	22	2.0
YL40-32-160	6.3	32	3	23	3.5	3.2	8	1.5	18	1.8
YL40-32-200	6.3	50	5.5	28	3.5	3.2	12.5	1.5	23	1.8
YL40-32-250	6.3	80	11	21	4.5	3.2	20	2.2	18	2.2
YL50-32-125	12.5	20	3	35	2.0	6.3	5	1.1	31	1.0
YL50-32-160	12.5	32	4	30	2.0	6.3	8	1.5	26	1.0
YL50-32-200	12.5	50	7.5	39	2.0	6.3	12.5	2.2	33	1.0
YL50-32-250	12.5	80	15	33	2.0	6.3	20	3	27	1.0
YL65-50-125	25	20	3	62	2.0	12.5	5	1.1	55	1.2
YL65-50-160	25	32	5.5	57	2.0	12.5	8	1.5	51	1.2
YL65-40-200	25	50	11	52	2.0	12.5	12.5	2.2	46	1.2
YL65-40-250	25	80	18.5	46	2.0	12.5	20	4	39	1.2
YL65-40-315	25	125	30	39	2.0	12.5	32	7.5	33	1.2
YL65-40-400						12.5	50	18.5	27	1.2
YL80-65-125	50	20	5.5	69	2.4	25	5	2.2	64	1.4
YL80-65-160	50	32	11	67	2.4	25	8	3	62	1.4
YL80-50-200	50	50	18.5	63	2.4	25	12.5	4	57	1.4
YL80-50-250	50	80	30	57	2.4	25	20	5.5	53	1.4
YL80-50-315	50	125	45	48	2.4	25	32	7.5	43	1.4
YL80-50-400						25	50	18.5	37	1.4
YL100-80-125	100	20	11	77	4.5	50	5	1.5	74	1.7
YL100-80-160	100	32	18.5	73	4.3	50	8	3	69	1.7
YL100-65-200	100	50	37	72	3.9	50	12.5	4	68	1.7
YL100-65-250	100	80	55	68	3.6	50	20	5.5	65	1.7
YL100-65-315						50	32	11	58	1.7
YL100-65-400						50	50	30	29	1.7
YL125-100-200	200	50	45	77	4.5	100	12.5	7.5	73	2.2
YL125-100-250	200	80	75	75	4.5	100	20	11	72	2.2
YL125-100-315						100	32	18.5	68	2.2
YL125-100-400						100	50	30	60	2.2
YL150-125-250						200	20	18.5	77	3.2
YL150-125-315						200	32	30	75	3.2
YL150-125-400						200	50	45	70	3.2
YL150-125-450						200	65	75	66	3.2
YL200-150-250						400	20	37	81	4.5
YL200-150-315						400	32	55	79	4.5
YL200-150-400						400	50	90	78	4.5

IHF type
Chemical fluorine lined pump



Overview

The IHF chemical fluorine lined pump is a single stage single suction chemical centrifugal pump, designed and produced in accordance with international standards and in combination with the processing technology of non-metallic pumps. The flow passage components such as the pump body, impeller, and pump cover that come into contact with the medium are made of A3 steel F46, and the shaft seal is made of silicon carbide material mechanical seal. Actual use shows that the pump has advantages such as corrosion resistance, non aging, high mechanical strength, stable operation, advanced and reasonable structure, reliable sealing performance, convenient disassembly and maintenance, and long service life.

performance parameter

Flow
3.2-200m³/h

Lift
5-80m

Users can choose different materials for the flow passage of the pump, such as perfluoroethylene propylene (F46) and polyvinylidene fluoride (PVDF), based on the degree of corrosion of the medium being transported.

Model Meaning

example: IHF 80-50-200 A

IH F 80 - 50 - 200 A

- A — impeller has been cutted first
- 200 — Impeller nominal diameter (mm)
- 50 — Pump outlet diameter (mm)
- 80 — Pump inlet diameter (mm)
- F — Material of pump overflow part (F46)
- IH — International Standard Chemical Pump

Performance parameter table

Rated speed of pump n=2950r/min						Rated speed of pump n=1450r/min				
model	flow	lift	power	efficiency	Required NPSH	flow	lift	power	efficiency	Required NPSH
	m^3/h	m	kW	%	m	m^3/h	m	kW	%	m
IHF40-32-125	6.3	20	2.2	52	4.0	3.2	5	0.55	47	2.0
IHF40-32-160	6.3	32	3	36	3.5	3.2	8	0.75	31	1.8
IHF40-32-200	6.3	50	5.5	34	3.5	3.2	12.5	0.75	29	1.8
IHF40-32-250	6.3	80	7.5	26	4.5	3.2	20	1.5	21	2.2
IHF50-32-125	12.5	20	3	51	2.0	6.3	5	0.55	45	1.0
IHF50-32-160	12.5	32	4	46	2.0	6.3	8	0.75	40	1.0
IHF50-32-200	12.5	50	7.5	39	2.0	6.3	12.5	1.1	33	1.0
IHF50-32-250	12.5	80	15	33	2.0	6.3	20	2.2	27	1.0
IHF65-50-125	25	20	3	62	2.0	12.5	5	0.55	55	1.2
IHF65-50-160	25	32	5.5	57	2.0	12.5	8	1.1	51	1.2
IHF65-40-200	25	50	11	52	2.0	12.5	12.5	1.5	46	1.2
IHF65-40-250	25	80	18.5	46	2.0	12.5	20	3	39	1.2
IHF80-65-125	50	20	5.5	69	3.0	25	5	1.1	64	1.4
IHF80-65-160	50	32	11	67	2.3	25	8	1.5	62	1.4
IHF80-50-200	50	50	15	63	2.5	25	12.5	2.2	57	1.4
IHF80-50-250	50	80	30	57	2.0	25	20	4	53	1.4
IHF100-80-125	100	20	11	77	4.5	50	5	1.5	74	1.7
IHF100-80-160	100	32	15	73	4.3	50	8	3	69	1.7
IHF100-65-200	100	50	30	72	3.9	50	12.5	4	68	1.7
IHF100-65-250	100	80	55	68	3.6	50	20	5.5	65	1.7
IHF100-65-315						50	32	11	58	1.7
IHF125-100-200	200	50	45	77	4.5	100	12.5	7.5	73	2.9
IHF125-100-250	200	80	75	75	4.5	100	20	11	72	2.3
IHF125-100-315						100	32	18.5	68	2.5
IHF150-125-250						200	20	18.5	77	2.8
IHF150-125-315						200	32	30	75	2.8

Fluorine lined magnetic drive pump

Overview

The BIMD series fluorine lined magnetic drive pump is a high-tech product that utilizes the working principle of permanent magnet couplings for centrifugal pumps. The pump design adopts the ISO2858 standard. The magnetic pump aims to solve the liquid transportation problems of flammable, explosive, volatile, toxic, and precious materials in various process flows. This pump has the advantages of fully sealed, leak free, pollution-free, low vibration, and low noise. It is widely used in industries such as chemical, pharmaceutical, petroleum, metallurgy, acid washing, electricity, electroplating, dyes, pesticides, etc. It can transport strong corrosive media such as sulfuric acid, salt acid, acetic acid, hydrofluoric acid, nitric acid, strong alkali, strong oxidant, organic flux, reducing agent, etc. for a long time at temperatures ranging from -5C to+80C. This product is not suitable for conveying materials containing ferromagnetic materials, hard particles, and rapid crystallization media.

Structural characteristics

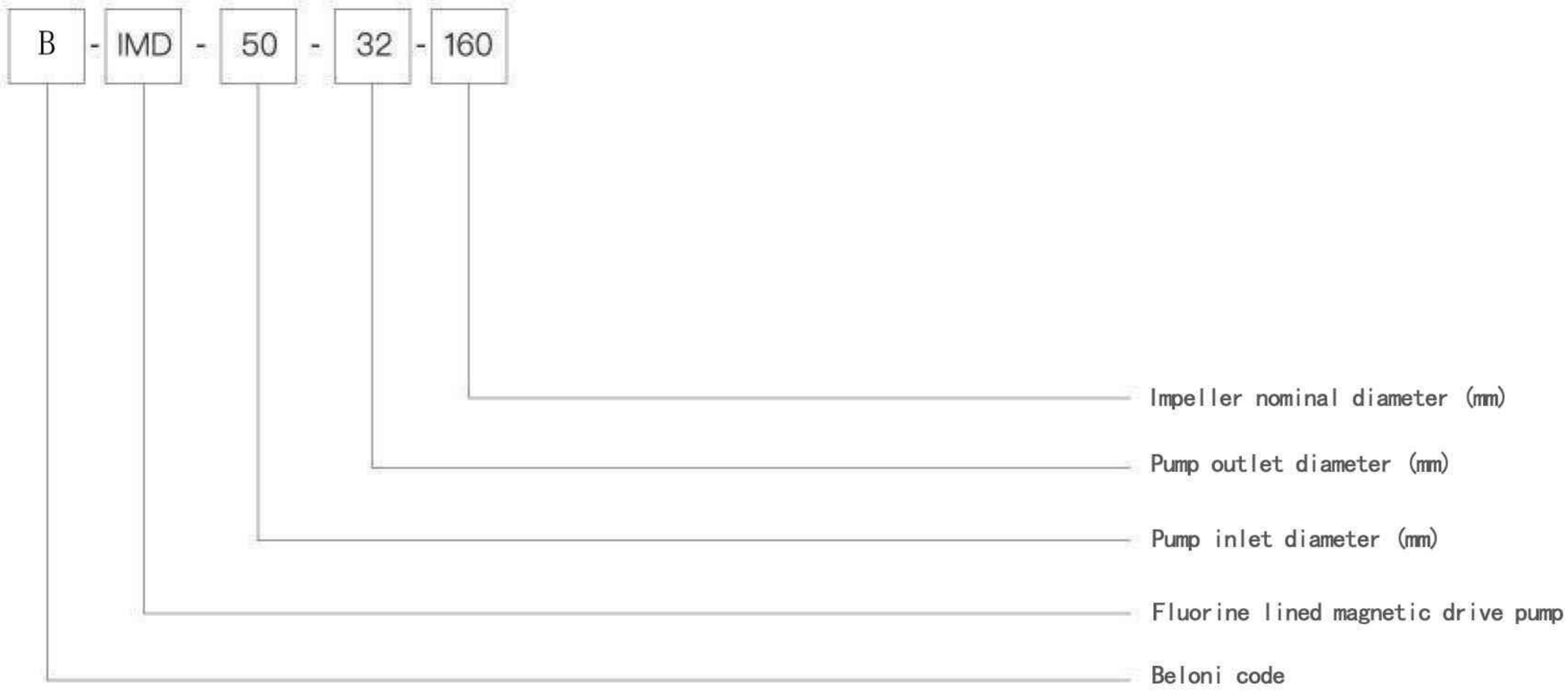
1. The magnetic transmission device uses the magnetic force generated by magnetic materials to achieve power transmission. The magnetic transmission part is composed of inner and outer magnetic steel, and an isolation sleeve is used to isolate the inner and outer magnetic rotors. The motor drives the external magnetic steel and utilizes the magnetic coupling characteristics to drive the internal magnetic steel rotor during operation, completing non-contact torque transmission.
2. Low noise and low vibration. The power transmission system of the magnetic pump does not have a rigid connection, and the pump shaft and motor shaft transmit torque through magnetic coupling. The inner rotor is supported by sliding bearings, with extremely high concentricity and verticality. When the pump is running, except for the vibration and noise of the motor itself, there is basically no pump.
3. This pump has an axial force balance system and a unique lubrication and cooling circuit. The balance plate, shaft sleeve, and sliding bearing inside the pump are made of hard alloy. During operation, some of the process liquid self-lubricates and cools the transmission components, resulting in low wear, low failure rate, long maintenance cycle, and long service life.
4. This series of pumps uses static seals instead of dynamic seals to keep the pump chamber in a completely sealed state, eliminating shaft seals and using magnetic coupling to drive indirectly, eliminating the troubles of "running, emitting, dripping, and leaking", without leakage or pollution.

Material of pump overflow components

According to the different properties of the conveying medium, different materials such as polytetrafluoroethylene propylene (F46) and polyvinylidene fluoride (PVDF) are selected for the overflow part of the pump. Sliding bearings, shaft sleeves, and balance plates are made of pressureless sintered silicon carbide (SSIC).

Model Meaning

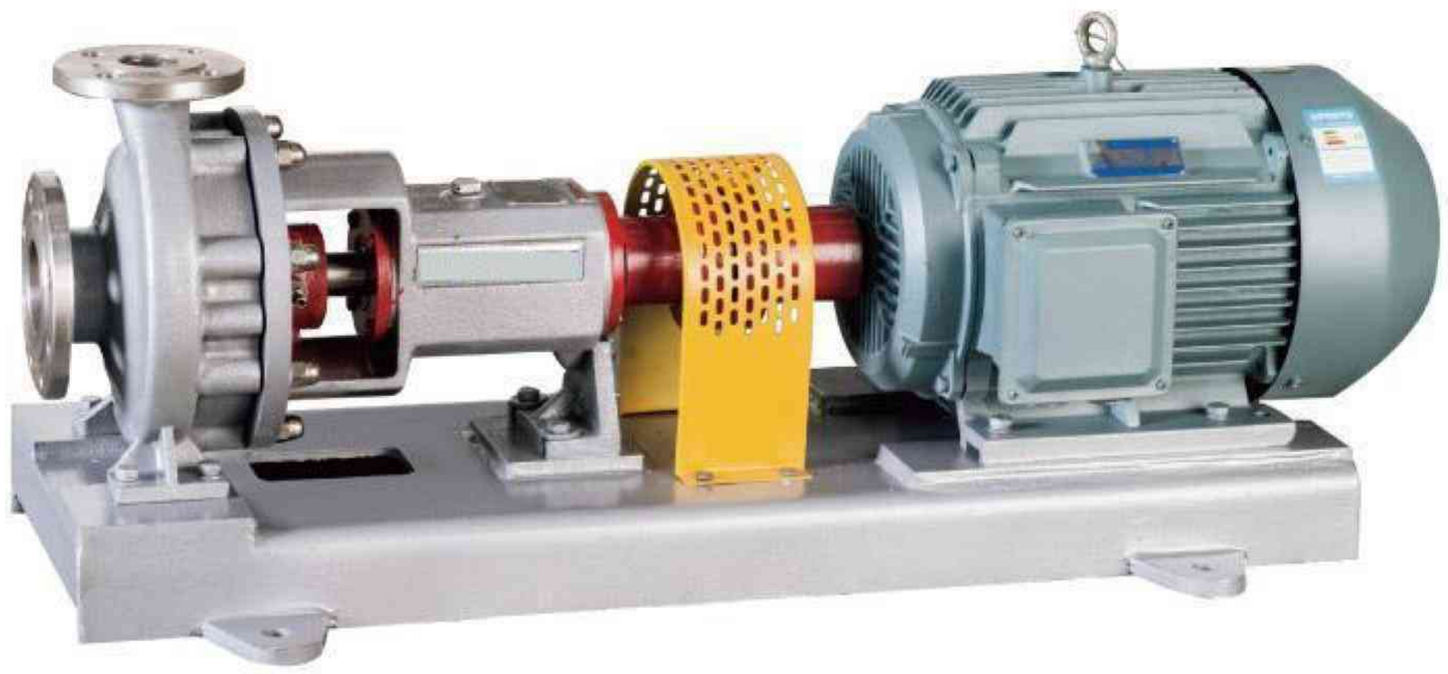
example: BIMD 50-32-160



Performance parameter table

model	flow	lift	power	efficiency	Required NPSH	flow	lift	power	efficiency	Required NPSH
	m^3/h	m	kW	r/min	m	m^3/h	m	kW	%	m
BIMD40-32-125	6.3	20	2.2	2950	5.0	3.2	5	0.55	1450	2.5
BIMD40-32-160	6.3	32	3	2950	3.8	3.2	8	0.75	1450	2.0
BIMD40-32-200	6.3	50	5.5	2950	3.5	3.2	12.5	0.75	1450	1.8
BIMD40-32-250	6.3	80	7.5	2950	4.5	3.2	20	1.5	1450	2.3
BIMD50-32-125	12.5	20	3	2950	2.0	6.3	5	0.55	1450	1.0
BIMD50-32-160	12.5	32	4	2950	2.0	6.3	8	0.75	1450	1.0
BIMD50-32-200	12.5	50	7.5	2950	2.0	6.3	12.5	1.1	1450	1.0
BIMD50-32-250	12.5	80	15	2950	2.0	6.3	20	2.2	1450	1.0
BIMD65-50-125	25	20	3	2950	2.0	12.5	5	0.55	1450	1.2
BIMD65-50-160	25	32	5.5	2950	2.0	12.5	8	1.1	1450	1.2
BIMD65-40-200	25	50	11	2950	2.0	12.5	12.5	1.5	1450	1.2
BIMD65-40-250	25	80	18.5	2950	2.0	12.5	20	3	1450	1.2
BIMD65-40-315	25	125	30	2950	2.0	12.5	32	5.5	1450	1.2
BIMD80-65-125	50	20	5.5	2950	3.0	25	5	1.1	1450	1.5
BIMD80-65-160	50	32	11	2950	2.3	25	8	1.5	1450	1.1
BIMD80-50-200	50	50	15	2950	2.5	25	12.5	2.2	1450	1.1
BIMD80-50-250	50	80	30	2950	2.5	25	20	4	1450	1.2
BIMD100-80-125	100	20	11	2950	4.2	50	5	1.5	1450	2.0
BIMD100-80-160	100	32	15	2950	4.3	50	8	3	1450	2.1
BIMD100-65-200	100	50	30	2950	3.9	50	12.5	4	1450	1.8
BIMD100-65-250						50	20	5.5	1450	1.8

CPN type
Alkali pump



Overview

The impeller of the CPN alkali pump is a rear half open structure, which is not easy to block, has high efficiency, and generates negative pressure during operation. Equipped with double or single face seals, it can transport media containing solid particles and easy to crystallize. This type of pump can withstand high temperatures of 150C and requires cooling water when used.

Flow
1.6-400m³/h

Lift
5-125m

Working pressure
≤1.6MPa

Temperature
-20~+150℃

Application scope

Chlor-alkali and soda ash industries;
Medicine, fertilizers, pesticides, coal chemical industry;
Petrochemical, chemical fiber, paper industry, dye industry, environmental engineering, and water treatment systems.
Conveying medium: If the solid content is less than 35% (volume ratio) and the temperature is below 150C, cooling water must be added to the double end face machine seal.
When the density of the pumped medium is greater than 1.2 or the viscosity is greater than water, a motor with the corresponding output power needs to be used.
*Please confirm the media condition when placing an order.

Model Meaning

example: CPN 80–50–200 A

Performance parameter table

Rated speed of pump n=2950r/min						Rated speed of pump n=1450r/min				
model	flow	lift	power	efficiency	Required NPSH	flow	lift	power	efficiency	Required NPSH
	m^3/h	m	kW	%	m	m^3/h	m	kW	%	m
CPN25–25–125	3.2	20	1.5	35	5.0	1.6	5	1.1	30	2.5
CPN25–25–160	3.2	32	3	30	3.5	1.6	8	1.5	25	1.8
CPN25–25–200	3.2	50	5.5	27	4.0	1.6	12.5	2.2	22	2.0
CPN25–25–250	3.2	80	7.5	17	4.5	1.6	20	3	13	2.2
CPN40–32–125	6.3	20	2.2	52	4.0	3.2	5	1.1	47	2.0
CPN40–32–160	6.3	32	3	36	3.5	3.2	8	1.5	31	1.8
CPN40–32–200	6.3	50	5.5	34	3.5	3.2	12.5	2.2	29	1.8
CPN40–32–250	6.3	80	7.5	26	4.5	3.2	20	3	21	2.2
CPN50–32–125	12.5	20	3	51	2.0	6.3	5	1.1	45	1.0
CPN50–32–160	12.5	32	4	46	2.0	6.3	8	2.2	40	1.0
CPN50–32–200	12.5	50	7.5	39	2.0	6.3	12.5	3	33	1.0
CPN50–32–250	12.5	80	15	33	2.0	6.3	20	4	27	1.0
CPN65–50–125	25	20	3	62	2.0	12.5	5	1.5	55	1.2
CPN65–50–160	25	32	5.5	57	2.0	12.5	8	2.2	51	1.2
CPN65–40–200	25	50	11	52	2.0	12.5	12.5	3	46	1.2
CPN65–40–250	25	80	18.5	46	2.0	12.5	20	4	39	1.2
CPN65–40–315	25	125	30	39	2.0	12.5	32	7.5	33	1.2
CPN65–40–400						12.5	50	18.5	27	1.2
CPN80–65–125	50	20	5.5	69	2.4	25	5	1.5	64	1.4
CPN80–65–160	50	32	11	67	2.4	25	8	2.2	62	1.4
CPN80–50–200	50	50	15	63	2.4	25	12.5	3	57	1.4
CPN80–50–250	50	80	30	57	2.4	25	20	5.5	53	1.4
CPN80–50–315	50	125	45	48	2.4	25	32	11	43	1.4

Performance parameter table

Rated speed of pump n=2950r/min						Rated speed of pump n=1450r/min				
model	flow	lift	power	efficiency	Required NPSH	flow	lift	power	efficiency	Required NPSH
	m^3/h	m	kW	%	m	m^3/h	m	kW	%	m
CPN80-50-400						25	50	18.5	37	1.4
CPN100-80-125	100	20	11	77	4.5	50	5	2.2	74	1.7
CPN100-80-160	100	32	18.5	73	4.3	50	8	4	69	1.7
CPN100-65-200	100	50	37	72	3.9	50	12.5	5.5	68	1.7
CPN100-65-250	100	80	55	68	3.6	50	20	7.5	65	1.7
CPN100-65-315						50	32	11	58	1.7
CPN100-65-400						50	50	30	29	1.7
CPN125-100-200	200	50	45	77	4.5	100	12.5	7.5	73	2.2
CPN125-100-250	200	80	75	75	4.5	100	20	11	72	2.2
CPN125-100-315						100	32	18.5	68	2.2
CPN125-100-400						100	50	30	60	2.2
CPN150-125-250						200	20	18.5	77	3.2
CPN150-125-315						200	32	30	75	3.2
CPN150-125-400						200	50	45	70	3.2
CPN150-125-450						200	65	75	66	3.2
CPN200-150-250						400	20	37	81	4.5
CPN200-150-315						400	32	55	79	4.5
CPN200-150-400						400	50	90	78	4.5

Magnetic drive pump

Overview

The BLCQ series magnetic drive pump is a high-tech product that utilizes the working principle of permanent magnet couplings for centrifugal pumps. The pump design adopts the IS02858 standard. The magnetic pump aims to solve the liquid transportation problems of flammable, explosive, volatile, toxic, and precious materials in various process flows. This pump has the advantages of fully sealed, leak free, pollution-free, low vibration, and low noise, and is widely used in industries such as petroleum, chemical, pharmaceutical, smelting, electroplating, environmental protection, food, film and television printing, water treatment, national defense, etc.
This product is not suitable for conveying materials containing ferromagnetic materials, hard particles, and rapid crystallization media.

Structural characteristics

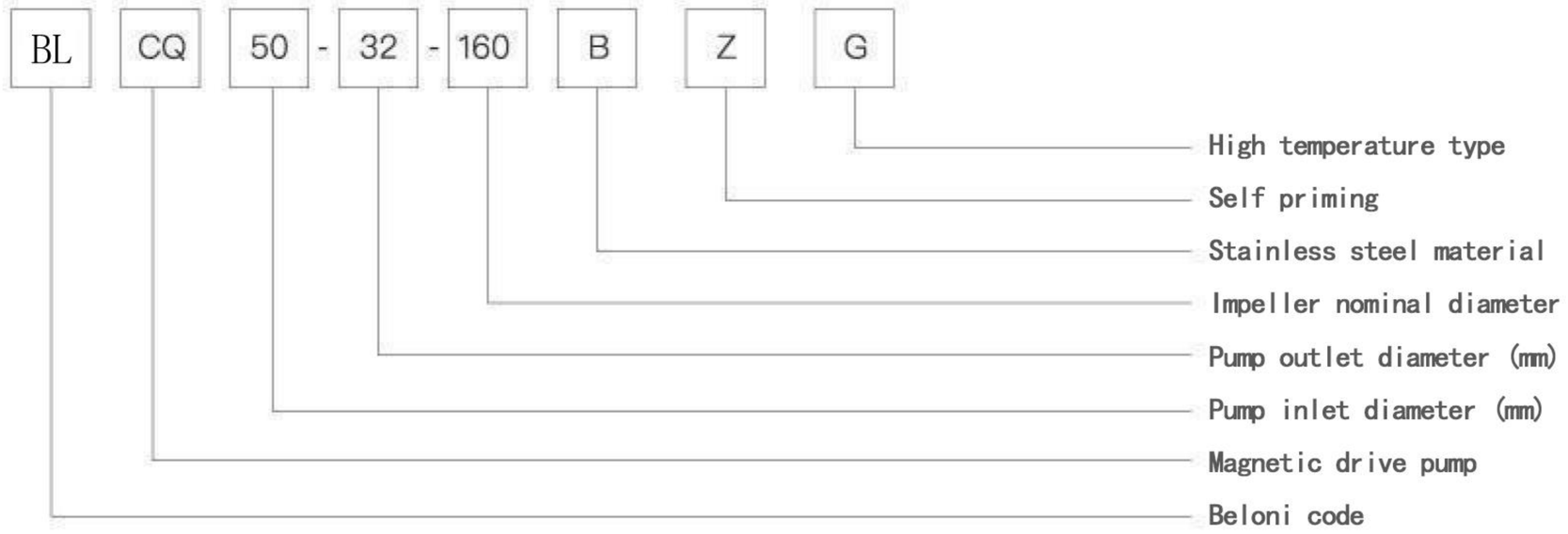
1. The magnetic transmission device uses the magnetic force generated by magnetic materials to achieve power transmission. The magnetic transmission part is composed of inner and outer magnetic steel, and an isolation sleeve is used to isolate the inner and outer magnetic rotors. The motor drives the external magnetic steel and utilizes the magnetic coupling characteristics to drive the internal magnetic steel rotor during operation, completing non-contact torque transmission.
2. Low noise and low vibration. The power transmission system of the magnetic pump does not have a rigid connection, and the pump shaft and motor shaft transmit torque through magnetic coupling. The inner rotor is supported by sliding bearings, with extremely high concentricity and verticality. When the pump is running, except for the vibration and noise of the motor itself, there is basically no pump.
3. This pump has an axial force balance system and a unique lubrication and cooling circuit. The balance plate, shaft sleeve, and sliding bearing inside the pump are made of hard alloy. During operation, some of the process liquid self-lubricates and cools the transmission components, resulting in low wear, low failure rate, long maintenance cycle, and long service life.
4. This series of pumps uses static seals instead of dynamic seals to keep the pump chamber in a completely sealed state, eliminating shaft seals and using magnetic coupling to drive indirectly, eliminating the troubles of "running, emitting, dripping, and leaking", without leakage or pollution.

Material of pump overflow components

According to the different properties of the conveying medium, various grades of metal materials (304, 316L, duplex stainless steel, etc.) and steel lining F46 can be selected. According to the medium temperature, corresponding magnetic steels such as diamond and steel boron can be selected.

Model Meaning

example: BLCQ 50-32-160 B/Z (G)



Performance parameter table

model	flow	lift	power	speed	Necessary cavitation allowance	flow	lift	power	speed	Necessary cavitation allowance
	m^3/h	m	kW	r/min	m	m^3/h	m	kW	r/min	m
BLCQ25-25-125	3.2	20	1.5	2950	5.0	1.6	5	1.1	1450	2.5
BLCQ25-25-160	3.2	32	3	2950	3.8	1.6	8	1.5	1450	2.0
BLCQ25-25-200	3.2	50	5.5	2950	4.0	1.6	12.5	2.2	1450	2.0
BLCQ25-25-250	3.2	80	7.5	2950	4.5	1.6	20	3	1450	2.3
BLCQ40-32-125	6.3	20	2.2	2950	5.0	3.2	5	1.1	1450	2.5
BLCQ40-32-160	6.3	32	3	2950	3.8	3.2	8	1.5	1450	2.0
BLCQ40-32-200	6.3	50	5.5	2950	3.5	3.2	12.5	2.2	1450	1.8
BLCQ50-32-125	12.5	20	3	2950	2.0	6.3	5	1.1	1450	1.0
BLCQ50-32-160	12.5	32	4	2950	2.0	6.3	8	1.5	1450	1.0
BLCQ50-32-200	12.5	50	7.5	2950	2.0	6.3	12.5	2.2	1450	1.0
BLCQ65-50-125	25	20	3	2950	2.0	12.5	5	1.5	1450	1.2
BLCQ65-50-160	25	32	5.5	2950	2.0	12.5	8	2.2	1450	1.2
BLCQ65-40-200	25	50	11	2950	2.0	12.5	12.5	3	1450	1.2

Performance parameter table

model	flow	lift	power	speed	Necessary cavitation allowance	flow	lift	power	speed	Necessary cavitation allowance
	m^3/h	m	kW	r/min	m	m^3/h	m	kW	r/min	m
BLCQ65-40-250	25	80	18.5	2950	2.0	12.5	20	4	1450	1.2
BLCQ65-40-315	25	125	30	2950	2.0	12.5	32	7.5	1450	1.2
BLCQ80-65-125	50	20	5.5	2950	3.0	25	5	1.5	1450	1.5
BLCQ80-65-160	50	32	11	2950	2.3	25	8	2.2	1450	1.1
BLCQ80-50-200	50	50	18.5	2950	2.5	25	12.5	3	1450	1.1
BLCQ100-80-125	100	20	11	2950	4.2	50	5	2.2	1450	2.0
BLCQ100-80-160	100	32	18.5	2950	4.3	50	8	4	1450	2.1
BLCQ100-65-200	100	50	37	2950	3.9	50	12.5	5.5	1450	1.8
BLCQ100-65-250						50	20	5.5	1450	1.8

ZA/ZE type
Chemical process pump

Overview

ZA/ZE chemical process pump is a product designed and produced in accordance with API610 and VD-MA24297 (light/medium) specifications. The ZA/ZE chemical process pump is a single stage, single suction, radial split horizontal centrifugal pump, with axial suction and radial discharge. The ZA type pump body is a foot support, and the ZE type pump body is a center support. This type of pump has the characteristics of high efficiency, energy conservation, stable performance, wide adaptability, and convenient maintenance. From the motor end, the rotation direction of the pump is clockwise.

Application scope

The ZA/ZE type chemical process pump is suitable for conveying various neutral and corrosive liquids (acids, alkalis, salts, liquid petrochemical products, organic compounds, etc. of various concentrations and temperatures), with a temperature range of -80℃~450℃. The high usage pressure of the ZA type pump reaches 2.5Mpa, and the ZA/ZE type pump reaches 5.0Mpa. This series of products is widely used in refineries, petrochemical industries, coal processing industries, and low-temperature engineering. Chemical industry, papermaking and sugar industry, and general process industry. Water supply plants, desalination plants, power plants, heating and air conditioning systems, as well as environmental engineering, shipbuilding, and offshore industries.

Model Description

example: ZA/ZE 25-200 C

ZA/ZE 25 - 200 C

- C — The number of impeller cuts, in order of A, B, C
- 200 — Indicates the nominal diameter of the impeller (mm)
- 25 — Outlet diameter (mm)
- ZA/ZE — Petrochemical process pump

Performance range (design point)

Caliber: 25-400mm
Flow rate: 55~2600m3/h
Lift: 16-250m
Working pressure: ZA~2.5MPa ZE~5MPa
Working temperature: ZA-80C~+200 ZE-80C~+450C
Optional corrosion-resistant materials include 304, 316L, 904, Hastelloy, duplex steel, and alloys, which can meet the requirements of various media mentioned above. When placing an order, please provide the user with detailed information on the medium to be transported.

Performance parameter table

model		Rated speed of pump n=2950r/min			Rated speed of pump n=1450r/min		
	Impeller form	flow	lift	power	flow	lift	power
		m^3/h	m	kW	m^3/h	m	kW
ZA/ZE25-200	A	11.5	49	5.5	5.8	12	1.1
	B	10.5	42	4	5.4	11	1.1
	C	9	36	3	4.6	8.5	1.1
	D	7.5	28	2.2	4	6.5	1.1
	E	5.5	16	1.5	3	4	1.1
ZA/ZE25-250	A	16	70	18.5	8.1	17.7	2.2
	B	14.5	62	15	7.7	15.6	1.5
	C	13.6	42	11	7.2	10.9	1.5
	D	11.3	24	7.5	6	6.2	1.1
ZA/ZE25-315	A	20	128	30	10	32.3	5.5
	B	18.6	116	30	9.2	29	4
	C	17	99	22	8.3	24.3	3
	D	15.7	87	18.5	7.6	22	3
	E	14.5	76	15	7.1	19.5	2.2
	F	13	64	11	6.4	16	2.2
ZA/ZE40-160	A	28	33	5.5	14	8	1.1
	B	25.6	29	5.5	13	7	1.1
	C	22	22	4	11	5.5	1.1
	D	20	16	2.2	9.5	4.5	1.1
ZA/ZE40-200	A	29	53	11	14.3	13	1.5
	B	26	47	7.5	13	11.5	1.1
	C	22	39	5.5	11.5	9	1.1
	D	18	20	4	9.5	7	1.1
ZA/ZE40-250	A	32	78	18.5	16	19.5	3
	B	30	72	15	15	18	2.2
	C	24	60	11	12.5	14	1.5
	D	21	47	7.5	10.5	11	1.1
ZA/ZE40-315	A	42	115	37	21	29	5.5
	B	40	107	30	20	26.5	5.5
	C	34	81	22	17.5	20	4
	D	29	61	15	15	15	3
ZA/ZE40-400	A	43	157	37	20.5	31	5.5
	B	41	128	30	19	28	5.5
	C	39	111	22	15.5	22.5	3
	D	36	81	18.5	12.5	17	2.2

Performance parameter table

model		Rated speed of pump n=2950r/min			Rated speed of pump n=1450r/min		
		Impeller form	flow	lift	power	flow	lift	power
			m^3/h	m	kW	m^3/h	m	kW
ZA/ZE50–160	A		50	34	11	25	8.4	1.5
	B		45	29	7.5	22.5	7	1.5
	C		38	22	5.5	19	5.5	1.1
	D		31	17	3	16.5	4	1.1
ZA/ZE50–200	A		62	52	18.5	31	13	3
	B		56	46	15	28.5	11.5	2.2
	C		49	37	11	25	9	1.5
	D		43	28	7.5	22	7	1.1
ZA/ZE50–250	A		70	82	30	35	20	4
	B		66	75	30	33	18.5	4
	C		60	60	22	30	15	3
	D		50	45	15	26	11	2.2
ZA/ZE50–315	A		87	115	55	44	28	11
	B		80	100	45	40	24	7.5
	C		70	78	37	35	19	5.5
	D		57	57	22	30	14	3
ZA/ZE50–400	A		82	194	110	41	48	15
	B		78	175	90	39	43	15
	C		70	140	75	35	34	11
	D		60	102	45	30	25	7.5
ZA/ZE50–450	A		135	249	200	67.5	62	30
	B		125	219	160	62.5	53	22
	C		105	157	110	52.5	38	15
	D		95	129	75	48	32	15
ZA/ZE80–160	A		94	32	18.5	47	8	2.2
	B		85	28	15	42	7	2.2
	C		76	23	15	38	5.5	1.5
	D		66	17	11	34	4	1.5
ZA/ZE80–200	A		103	54	37	51	13.5	4
	B		95	48	30	47	12	3
	C		84	38	22	41	9.5	2.2
	D		70	31	15	36	7.5	1.5
ZA/ZE80–250	A		127	82	75	64	20	7.5
	B		120	76	55	60	19	7.5
	C		105	59	45	52	14.5	4
	D		87	45	30	46	11	3
ZA/ZE80–315	A		141	127	90	70	33	15
	B		135	121	75	66	30	15
	C		115	97	55	56	24	11
	D		90	74	37	45	18	5.5
ZA/ZE80–400	A		171	187	160	85	46	22
	B		159	170	160	80	42	18.5
	C		136	130	90	65	33	15
	D		110	95	75	53	25	11

Performance parameter table

model	Impeller form	Rated speed of pump n=2950r/min flow	lift	power	Rated speed of pump n=1450r/min flow	lift	power
		m^3/h	m	kW	m^3/h	m	kW
ZA/ZE80-450	A	200	228	250	104	60	37
	B	186	206	200	98	56	30
	C	158	158	132	86	47	22
	D	142	130	110	67.5	33	15
ZA/ZE100-160	A	162	29	22	81	7.2	3
	B	150	24	15	73	6	2.2
	C	130	17	11	63	4.3	1.5
	D	110	12	7.5	55	3	1.1
ZA/ZE100-200	A	193	50	45	95	12.5	5.5
	B	180	44	37	90	10.5	5.5
	C	155	35	30	80	8.5	4
	D	135	26	18.5	70	6	3
ZA/ZE100-250	A	230	79	75	115	20	11
	B	218	73	75	110	18	11
	C	190	58	45	100	14	7.5
	D	170	44	37	90	10	5.5
ZA/ZE100-315	A	250	126	132	125	31	18.5
	B	240	120	132	119	29	18.5
	C	203	97	90	104	24	15
	D	170	71	75	83	17.5	11
ZA/ZE100-400	A	300	194		150	48	37
	B	290	180		145	44	30
	C	260	145		130	36	22
	D	224	105	110	115	26	15
ZA/ZE100-500					180	75	75
					167	68	55
					142	53	37
					120	42	30
ZA/ZE150-200	A	320	44	55	160	11	7.5
	B	300	39	45	152	9.5	7.5
	C	265	30	37	140	7	5.5
	D	220	23	22	123	5	3
ZA/ZE150-250	A	390	74	110	195	18.5	15
	B	355	62	90	180	16	15
	C	325	46	75	160	11.5	11
ZA/ZE150-315	A	442	125		220	32.5	30
	B	430	120		210	30	30
	C	372	94	160	180	24	22
	D	310	68	90	150	17	15
ZA/ZE150-400	A	520	205		260	51	55
	B	498	190		250	48	55
	C	453	151		225	38	37
	D	400	113		200	28	30

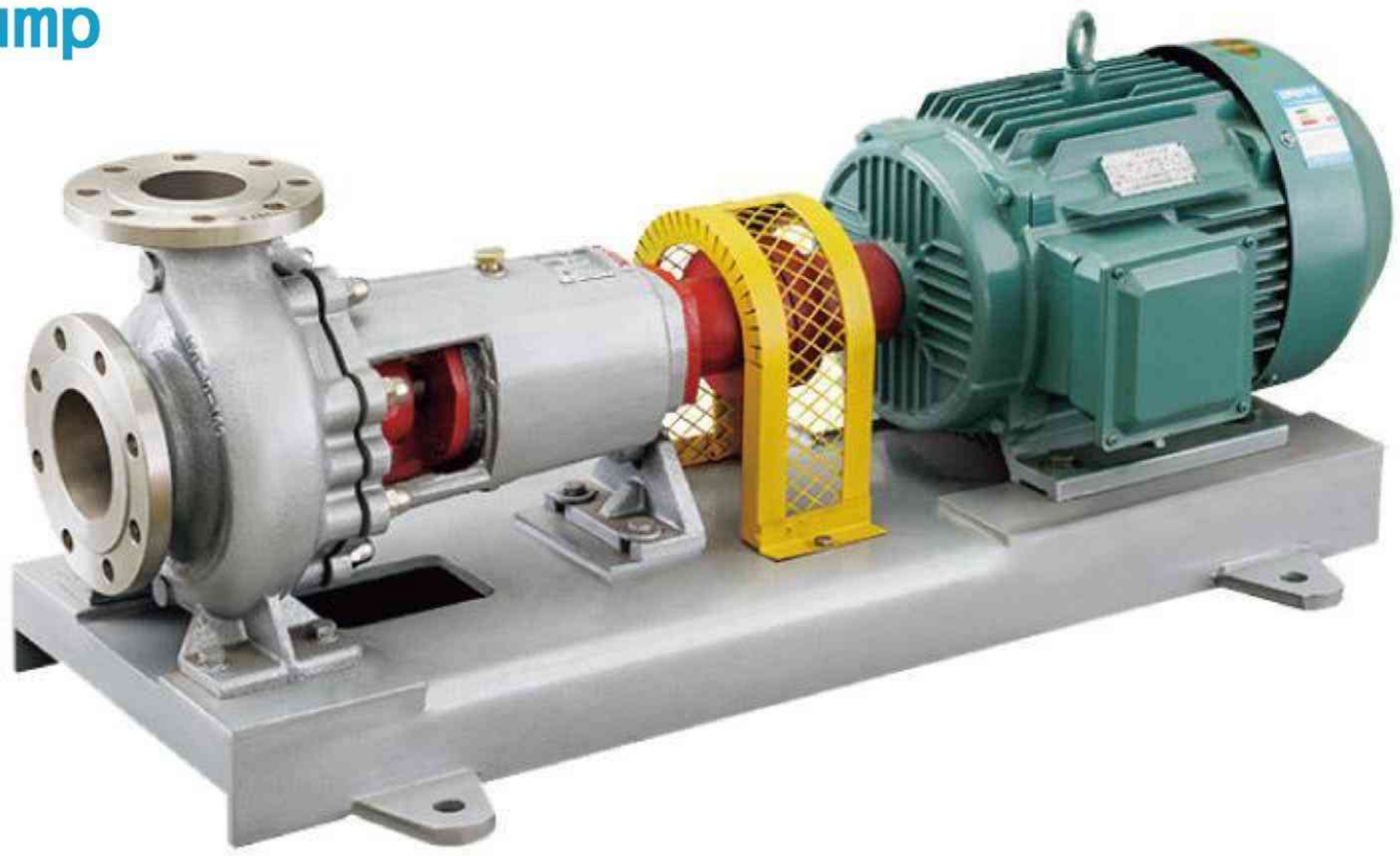
Performance parameter table

model	Impeller form	Rated speed of pump n=2950r/min flow	lift	power	Rated speed of pump n=1450r/min flow	lift	power
		m^3/h	m	kW	m^3/h	m	kW
ZA/ZE150–450	A	520	239		275	64	75
	B	455	195		260	61	75
	C	410	164		222	52	55
	D	364	136	220	172	36	30
ZA/ZE150–500	A				300	77	110
	B				283	72	90
	C				233	59	75
	D				208	45	45
ZA/ZE150–560	A				335	104	160
	B				315	97	132
	C				260	80	90
	D				212	60	75
ZA/ZE150–630	A				360	115	220
	B				338	105.5	185
	C				274	82	132
	D				220	60	75
ZA/ZE200–250	A	610	72	160	305	17.5	22
	B	580	65	160	290	16	18.5
	C	520	47	110	260	12	15
	D	470	32	75	240	8	11
ZA/ZE200–315	A	710	122		350	30	45
	B	680	114		340	29	37
	C	600	87	200	300	22	30
	D	480	65	132	250	15	18.5
ZA/ZE200–400	A	850	203		426	50	90
	B	830	190		410	47	75
	C	750	145		370	36.5	55
	D	670	106	315	332	27	45
ZA/ZE200–450	A	910	247		462	65	132
	B	828	225		440	60.5	110
	C	752	205		380	49	75
	D	654	177		300	35	45
ZA/ZE200–500	A				495	84	185
	B				470	79	160
	C				400	63	110
	D				330	48	75
ZA/ZE200–560	A				540	105	220
	B				510	98	220
	C				440	81	160
	D				350	62	110
ZA/ZE200–630	A				580	132	315
	B				550	125	280
	C				468	100	220
	D				372	75	132

Performance parameter table

model	Impeller form	Rated speed of pump n=2950r/min flow	lift	power	Rated speed of pump n=1450r/min flow	lift	power
		m^3/h	m	kW	m^3/h	m	kW
ZA/ZE250-315	A				545	27	55
	B				528	25	55
	C				480	19	37
	D				434	13	30
ZA/ZE250-400	A				660	49	132
	B				630	46	110
	C				565	36	75
	D				500	24	55
ZA/ZE250-500	A				800	82	250
	B				770	76	250
	C				700	58	160
	D				630	42	110
ZA/ZE250-560	A				860	106	355
	B				830	98	355
	C				760	78	250
	D				665	57	160
ZA/ZE250-630	A				855	128	450
	B				816	119	400
	C				720	96	280
	D				625	71	200
ZA/ZE300-400	A				1050	48	200
	B				1010	45	185
	C				900	34	132
	D				780	26	90
ZA/ZE300-500	A				1240	78	355
	B				1170	75	315
	C				1050	57	250
	D				870	42	160
ZA/ZE300-560	A				1340	104	500
	B				1280	97	500
	C				1140	77	355
	D				950	56	220
ZA/ZE300-630	A				1450	132	710
	B				1375	125	710
	C				1170	100	450
	D				950	75	315
ZA/ZE400-500	A				1900	74	500
	B				1800	70	450
	C				1600	52	355
	D				1320	38	220
ZA/ZE400-560	A				2040	98	710
	B				1950	91	630
	C				1760	74	500
	D				1500	54	315
ZA/ZE400-630	A				2390	125	1120
	B				2280	117	1000
	C				1960	95	710
	D				1610	70	450

BCZ type Chemical pump



Overview

BCZ series standard chemical pumps are horizontal, single stage, and single suction centrifugal pumps; Its size and performance comply with the DIN24256/SO2858 standard.
The performance range of the BCZ series standard chemical pump includes all the performance of the 1H series standard chemical pump, and its efficiency, cavitation performance, and other indicators exceed those of the IH type pump.

Performance parameter range

Flow	Lift	Working pressure	Temperature
3.2-2000m³/h	7-160m	2.5MPa	-80-300℃

Use to

Conveying low-temperature or high-temperature liquids; Neutral or corrosive liquid; Clean or liquid containing solid particles. Especially suitable for: petrochemical industry, coal chemical industry, fine chemical industry, paper mills and pulp industry, sugar industry, coating industry (degreasing, sulfonation, electrophoresis and other processes), food, pharmaceuticals, alloy fibers, environmental engineering, etc.

Design Features

The pressure acting on the shaft seal is balanced by the balance hole on the back blade or impeller. The shaft seal can adopt various single and double end face unbalanced mechanical seals with different structures. Ball bearings are durable and have ample shaft diameter to ensure smooth operation. Some specifications of the pump body are designed as double screw shells to balance radial forces. The bearing frame, including the shaft, impeller, stuffing box, etc., forms a combined component, so that the pump body does not need to be removed from the pipeline during maintenance (if an extended coupling is used, the motor also does not need to be removed). The flange design adopts two types: PN16 and PN25 (based on material differences).

Transport medium

Inorganic acids such as sulfuric acid, nitric acid, hydrochloric acid, and phosphoric acid at various temperatures and concentrations, as well as alkaline solutions such as sodium hydroxide and sodium carbonate at various temperatures and concentrations. Various salt solutions. Various liquid petrochemical products, organic compounds, and other corrosive raw materials and products

At present, our company's corrosion-resistant materials can meet the requirements of various media mentioned above. When placing an order, please provide the user with detailed information on the medium to be transported.

Performance parameter table

model	Impeller type	Rated speed (Speed) n=2950r/min					Rated speed (Speed) n=1450r/min				
		Flow Q Capacity	Head	ρ=g/cm³			flow	lift	ρ=g/cm³		
				1.00	1.35	1.84			1.00	1.35	1.84
		m³/h	m	Power kW			m³/h	m	Power kW		
BCZ32-160	A	20	36			7.5	11	9	1.1	1.5	2.2
	B						10	8			
	C	17	28	3	4	5.5	9	7			1.5
	D	15	20	2.2	3	4	6	5			
	E	13	14				6	3			
BCZ32-200	A	20	50	7.5	11	15	10	13	1.5	2.2	3
	B	18	48			11	9	12			2.2
	C	16	40	5.5	7.5	7.5	8	10			
	D	15	30	4	5.5		8	8			
BCZ32-250	A	20	85	15	18.5	30	11	20	2.2	3	4
	B	20	75				10	19			
	C	18	65	11	15	18.5	9	15		2.2	3
	D	15	50	7.5	11	15	8	11			2.2
BCZ40-160	A	30	34	7.5	11	15	15	8	1.1	1.1	2.2
	B	28	30	5.5	7.5	11	15	7			
	C	16	26		5.5	7.5	14	6			1.5
	D	14	18	3		5.5	12	4			
BCZ40-200	A	34	50	11	15	22	16	13	1.5	2.2	3
	B	30	48	7.5	11	15	15	12	1.1		
	C	26	38	5.5	7.5	11	14	9		1.5	3
	D	22	30				12	7			2.2
BCZ40-250	A	36	85	22	30	45	20	21	4	5.5	7.5
	B	34	80	18.5	22	37	18	20	3	4	
	C	30	65	15	18.5	30	16	15	2.2	3	4
	D	26	50	11	15	18.5	13	12		2.2	2.2
BCZ40-315	A	46	140	45	55		22	36	11	11	15
	B	44	130	37	45		22	32	5.5		
	C	40	100	30	37	55	20	24	4	5.5	
	D	34	80		30	37	18	18		4	7.5
BCZ50-160	A	55	34	11	11	15	30	8	1.5	2.2	3
	B	50	30	7.5			26	7	1.1	1.5	2.2
	C	46	26	5.5	7.5	11	24	6		1.1	1.5
	D	40	18		5.5	7.5	20	4			1.1

Performance parameter table

model	Impeller type	Rated speed (Speed) n=2950r/min					Rated speed (Speed) n=1450r/min				
		Flow Q Capacity	Head	ρ=g/cm³			flow	lift	ρ=g/cm³		
				1.00	1.35	1.84			1.00	1.35	1.84
		m³/h	m	Power kW			m³/h	m	Power kW		
BCZ50-200	A	65	56	18.5	22	37	34	14	3	4	5.5
	B	65	50	15	18.5	30	34	12	2.2	3	4
	C	50	40	11	15	22	30	10	1.5	2.2	3
	D	40	32	7.5	11	15	24	7		1.5	2.2
BCZ50-250	A	65	85	30	45	55	34	21	5.5	7.5	11
	B	60	80				30	20	4		
	C	55	65	22	30	37	26	16	3	4	5.5
	D	45	60	15	18.5	30	24	12	2.2	3	4
BCZ50-315	A	80	140				42	36	11	11	15
	B	75	135	55			42	32			
	C	70	110	45			40	26			11
	D	65	85	37	45		36	20			
BCZ65-160	A	100	32	15	22	30	50	8	2.2	3	4
	B	90	32				48	7			
	C	90	24	11	15	22	46	6		2.2	3
	D	80	14	5.5	7.5	11	38	4			
BCZ65-200	A	100	54	22	30	45	50	13	4	5.5	7.5
	B	90	50				46	12	3		
	C	90	40	18.5	30	37	42	10		4	5.5
	D	70	30	11	15	18.5	36	7	2.2	3	4
BCZ65-250	A	115	85	45	55		54	21	11	15	18.5
	B	115	75				50	20	7.5		
	C	100	65	37	55	75	46	16	4	5.5	
	D	80	50	30	45	55	40	10		4	7.5
BCZ65-315	A	135	135	90	110	160	64	32	11	15	18.5
	B	130	125				61	30			
	C	115	115	75	90	132	56	28		11	15
	D	110	110	55	75	110	54	24			
	E	90	85	45	55	75	50	20	5.5		11
	F	75	70	30	45	55	52	16		5.5	
BCZ80-160	A	170	30	22	30	45	75	8	3	4	5.5
	B	160	26	18.5	30	37	70	7		3	4
	C	150	22	15	22	30	70	5	2.2		
	D	130	16	11	15		65	4		2.2	4
BCZ80-200	A	150	50	37	45	75	80	12	5.5	7.5	11
	B	140	46	30	37	55	75	11	4	5.5	
	C	130	38	22	30	45	65	9	3	4	5.5
	D	110	26	15	18.5	30	60	6		3	5.5
BCZ80-250	A	190	80				90	20	11	15	18.5
	B	180	75	55			90	19			
	C	170	70	45			85	17			
	D	150	55	37	55	75	75	14	5.5		11
	E	130	47	30	37	55	70	11		5.5	

Performance parameter table

model	Impeller type	Rated speed (Speed) n=2950r/min					Rated speed (Speed) n=1450r/min				
		Flow Q Capacity	Head	ρ=g/cm³			flow	lift	ρ=g/cm³		
				1.00	1.35	1.84			1.00	1.35	1.84
		m³/h	m	Power kW			m³/h	m	Power kW		
BCZ80–315	A	200	130	110	160		100	32	15	18.5	30
	B	180	125		132		95	30			
	C	160	100	75	90	132	85	24		15	18.5
	D	150	75	55	75	90	70	18			15
BCZ80–400	A						105	52	30	37	
	B						100	50			
	C						90	44		30	
	D						80	38	18.5		
BCZ100–200	A	220	45	45	55		115	11	5.5	11	15
	B	200	40	30	45	55	100	10			
	C	180	30	22	30	45	90	8		7.5	11
	D	150				37	80	6			
BCZ100–250	A	280	75	90	110	160	130	20	15	22	30
	B	250	70	75		132	130	18	11	15	22
	C	230	55	55	75	110	120	14		11	15
	D	200	40	37	55	75	100	10			11
BCZ100–315	A	270	135	160			132	32	30	30	
	B	250	130	132			120	30	18.5		30
	C	230	100	110	132		100	26	15	15	
	D	200	85	75	110	132	90	21			18.5
BCZ100–400	A						150	50	45	45	
	B						140	48	30		
	C						120	40		30	45
	D						100	30	18.5		30
BCZ125–250	A						200	20	18.5	22	
	B						200	18	15	18.5	
	C						190	14	11	15	
	D						160	10		11	15
BCZ125–315	A						200	30	30	37	45
	B						180	30		30	37
	C						170	24	18.5		30
	D						100	18	15	18.5	
BCZ125–400	A						220	50	55	75	
	B						200	48	45	75	
	C						180	46	37	55	
	D						170	42	30	45	
	E						150	36		30	
	F						150	30			
BCZ150–200	A						320	17	22	30	37
	B						300	15	18.5		
	C						280	13			
	D						260	12	15	18.5	30
	E						240	11	11	15	22

Performance parameter table

model	Impeller type	Rated speed (Speed) n=2950r/min					Rated speed (Speed) n=1450r/min				
		Flow Q Capacity	Head	ρ=g/cm³			flow	lift	ρ=g/cm³		
				1.00	1.35	1.84			1.00	1.35	1.84
		m³/h	m	Power kW			m³/h	m	Power kW		
BCZ150–315	A						380	30	45	75	
	B						340	26	37	45	
	C						320	20	30	37	55
	D						300	17	22	30	37
BCZ150–400	A						400	48	75	110	
	B						340	40	55	75	
	C						300	34	45		
	D						260	28	37	45	75
BCZ150–500	A						420	80	132		
	B						400	70	110	160	
	C						360	65		130	
	D						340	50	75	110	132
	E						300	45	55	75	110
BCZ200–250	A						600	12	30	37	
	B						540	11	22	30	
	C						500	10			37
BCZ200–315	A						650	24	55	75	
	B						600	20			
	C						550	16	37	45	
	D						500	13	30	37	55
BCZ200–400	A						650	52	132		
	B						550	45	90	132	
	C						500	40	75	110	160
	D						450	30	55	75	110
BCZ200–500	A						700	75			
	B						650	65	160		
	C						550	55	110	160	
	D						450	40	75	110	132
BCZ250–315	A						950	22	75	110	
	B						900	20		90	
	C						800	16	55	75	
	D										
BCZ250–400	A						1000	44	160		
	B						900	38	132		
	C						850	30	110	160	
	D						800	24	90	110	160
BCZ250–500	A						1200	80			
	B						1100	70			
	C						1000	55			
	D						850	45	160		
BCZ300–400	A						1500	40			
	B						1400	30	160		
	C						1300	25	132		
	D						1300	20	110	160	
BCZ300–500	A						1700	70			
	B						1500	60			
	C						1300	50			
	D						1100	40			

WFB type
Self priming pump

Overview

The WFB series sealless self-control self priming pump is the first product to fill the domestic gap. This product has multiple functions such as temperature resistance and pressure resistance, "one-time drainage", and "lifelong self priming". At present, we produce a series of complete machines made of various materials such as 321, 304, 316, 316L, A3, PP (reinforced polypropylene), with a total of over 1000 specifications in five different shapes. Widely applicable in industries such as electronics, power, chemical, metallurgy, medicine, food, electroplating, environmental protection, fire protection, municipal, water purification, national defense and military industry, textile printing and dyeing, mining and mineral processing, civil construction, etc., and highly praised by users.

Unique advantages

1. Our company adopts a "continuous ring multi face centrifugal sealing device for pumps", which eliminates the traditional packing seal, packing seal, and mechanical seal of water pumps, and completely overcomes "running, emitting, dripping, and leaking". It is the most ideal equipment to replace various long shaft submerged pumps, submersible pumps, and other types of pumps.
2. During operation, the sealing device does not rub or wear, and its service life is more than 10 times longer than similar products.
3. Transplanting the principle of vacuum pump, stable and reliable self suction performance, especially the use of "electric air control valve", truly achieving "one-time drainage, lifelong self suction".
4. Low vibration, low noise, flexible movement, easy disassembly, easy installation, and no need for anchor fixation.
5. It has superior automatic control functions and can be used in conjunction with high-tech fields and highly automated systems.

selection method

The meaning of 1-5 in the "Category Code" column in the performance parameter table is: Type 1 is rectangular, Type 2 is conical, Type 3 is explosion-proof, Type 4 is outdoor, and Type 5 is trolley mobile. The letters G, PP, and BXG in the "Material Symbol" column represent four types of materials: steel, reinforced polypropylene, and stainless steel (1Cr18NigTi).

Complete model writing method

Assuming that the requirements for the water pump are: the design is a wheeled mobile type, the material is reinforced polypropylene, the suction diameter is 50mm, and the performance classification is AD1. The complete model of this water pump is "5PP50WFB-AD1"
Assuming the water pump design is rectangular explosion-proof, the other requirements are the same. The complete model of the water pump should be written as "1.3PP50WFB-AD1". Assuming the water pump design is conical explosion-proof, the other requirements are the same. The complete model of the water pump should be written as "2.4PP50WFB-AD1".

Model Meaning example: 50 WFB-AD1

Performance parameter table

Specification and model			speed	flow	lift	Supporting power	Allow suction depth	Suction caliber	Outlet diameter	Overall weight(reference)
Category Code	Material code	model	r/min	m^3/h	m	kW	≤M	MM	MM	Kg
1-5	G.PP.BXG	40WFB-A	2900	6.5 8.5 10	25 23 21	4	4	40	32	140
1-5	G.PP.BXG	40WFB-A1	2900	13.5	18	4	4	40	32	140
1-5	G.PP.BXG	40WFB-A2	2900	5 8 10	15 13 11	3	4	40	32	125
1-5	G.PP.BXG	40WFB-A3	2900	14	8	2.2	4	40	32	125
1-5	G.BXG	40WFB-B	2900	5	42	7.5	4	40	32	150
1-5	G.PP.BXG	50WFB-A	2900	7.5 12.5 15	28 26 24.5	5.5	5	50	40	205
1-5	G.PP.BXG	50WFB-A1	2900	10.5	20.5	4	5	50	40	170
1-5	G.PP.BXG	50WFB-AD	1450	5 6.3 7.5	11 10 9	1.5	4	50	40	149
1-5	G.PP.BXG	50WFB-AD	1450	10	6	1.5	4	50	40	149
1-4	G.BXG	50WFB-B	2900	10 11 15	40 38 35	11	5	50	40	215
1-4	G.PP.BXG	50WFB-B1	2900	7 12 15	33 31 29	7.5	5	50	40	205
1-5	G.PP.BXG	50WFB-B2	2900	10	26.5	5.5	5	50	40	185
1-5	G.PP.BXG	50WFB-B3	2900	5 6.4 7.5	15 14 12.5	2.2	4	50	40	150

Performance parameter table

Specification and model			speed	flow	lift	Supporting power	Allow suction depth	Suction caliber	Outlet diameter	Overall weight(reference)
Category Code	Material code	model	r/min	m^3/h	m	kW	≤M	MM	MM	Kg
1–4	G.BXG	50WFB–C	2900	8.5 12 15	58 56 54	15	5	50	40	240
1–4	G.BXG	50WFB–C1	2900	10 12	46 40	11	5	50	40	215
1–5	G.PP.BXG	50WFB–CD	1450	5 6 8	19 18 17	3	4	50	40	170
1–4	G.BXG	50WFB–E	2900	7.5 12 15	82 80 75	18.5	5	50	40	260
1–4	G.BXG	50WFB–E1	2900	10 12 15	68 62 55	15	5	50	40	250
1–5	G.PP.BXG	50WFB–E2	2900	3.5 6.3 7.5	26 25 24	4	4	50	40	170
2–4	G.BXG	50WFB–F	2900	9	62	15	5	50	40	260
1–5	G.PP.BXG	65WFB–A	2900	15 20 25	27 26 24	7.5	4	65	50	260
1–5	G.PP.BXG	65WFB–A1	2900	21	20	5.5	4	65	50	260
1–5	G.PP.BXG	65WFB–AD	1450	7 12 15	12 11 9	3	4	65	50	200
1–4	G.BXG	65WFB–B	2900	15 25 30	41 38 34	11	5	65	50	270
1–5	G.PP.BXG	65WFB–B1	2900	20	26	7.5	5	65	50	250
1–5	G.PP.BXG	65WFB–BD	1450	10 12 15	16 14 13	4	5	65	50	230
1–4	G.BXG	65WFB–C	2900	15 25 30	58 56 52	18.5	5	65	50	280
1–4	G.BXG	65WFB–C1	2900	22	45	15	5	65	50	265
1–5	G.PP.BXG	65WFB–C2	2900	7.5 12.5 15	19 18 17	5.5	5	65	50	240
1–4	G.BXG	65WFB–E	2900	15 25 30	82 80 78	30	5	65	50	450
1–4	G.BXG	65WFB–E1	2900	21 20	64 55	18.5	5	65	50	340

Performance parameter table

Specification and model			speed	flow	lift	Supporting power	Allow suction depth	Suction caliber	Outlet diameter	Overall weight(reference)
Category Code	Material code	model	r/min	m^3/h	m	kW	≤M	MM	MM	Kg
1-5	G.PP.BXG	65WFB-E2	2900	7.5 12.5 15	27.5 26 24.5	7.5	5	65	50	280
1-4	G.BXG	65WFB-F	2900	15 25 30	127 125 123	45	5	65	50	485
1-4	G.BXG	65WFB-F1	2900	18 21.5 23.5	108 95 85	45	5	65	50	485
1-4	G.BXG	65WFB-F2	2900	7.5 12.5 15	38 37 36	7.5	5	65	50	270
1-4	G.PP.BXG	65WFB-F3	2900	7 9 12	34 30 26	5.5	5	65	50	260
2-4	G.PP.BXG	80WFB-A	2900	30 50 60 70	28 26 24 20	15	6	80	65	380
2-4	G.BXG	80WFB-AD	1450	15 20 30 38	11.5 11 10 9	4	4	80	65	305
2-4	G.BXG	80WFB-B	2900	40 50 60 65	35 38 33 28	18.5	5	80	65	395
2-4	G.PP.BXG	80WFB-BD	1450	15 25 30 35	15 14 13 11	5.5	5	80	65	340
2-4	G.BXG	80WFB-C	2900	30 50 60	59 55 52	22	5	80	65	460
2-4	G.BXG	80WFB-C1	2900	45 40	38 46	15	5	80	65	400
2-4	G.PP.BXG	80WFB-C2	2900	15 25 30	19 18 17	7.5	5	80	65	320
2-4	G.PP.BXG	80WFB-CD	1450	21 25	14 12	5.5	5	80	65	340
2-4	G.BXG	80WFB-E	2900	30 50 60	84 80 76	37	5	80	65	480

Performance parameter table

Specification and model			speed	flow	lift	Supporting power	Allow suction depth	Suction caliber	Outlet diameter	Overall weight(reference)
Category Code	Material code	model	r/min	m^3/h	m	kW	≤M	MM	MM	Kg
2-4	G.BXG	80WFB-E1	2900	30 40	60 50	18.5	5	80	65	400
2-4	G.PP.BXG	80WFB-E2	2900	15 25 30	27 26 24	11	5	80	65	380
2-4	G.PP.BXG	80WFB-E3	2900	15 20	22 18	5.5	5	80	65	300
2-4	G.BXG	80WFB-F	2900	30 50 60	128 120 110	55	5	80	65	580
2-4	G.BXG	80WFB-F1	2900	26 30 40	103 95 80	45	5	80	65	530
2-4	G.BXG	80WFB-F2	2900	15 25 30	36 32 30	11	5	80	65	380
2-4	G.BXG	80WFB-F3	2900	21 23 26	34 30 26	11	5	80	65	380
2-4	G.PP.BXG	100WFB-A	2900	60 100 110 120	30 26 22 20	18.5	5	100	80	560
2-4	G.PP.BXG	100WFB-AD	1450	30 40 50 60	12 11 10 9	7.5	5	100	80	450
2-4	G.BXG	100WFB-B	2900	60 80 100 120	40 36 32 28	22	5	100	80	580
2-4	G.PP.BXG	100WFB-BD	1450	30 40 50 68	15 14 13 11	11	5	100	80	520
2-4	G.BXG	100WFB-C	2900	45 80 100	55 48 45	37	5	100	80	630
2-4	G.BXG	100WFB-C1	2900	75 85	40 35	30	5	100	80	605
2-4	G.PP.BXG	100WFB-C2	2900	40 50 60	20 19 18	15	5	100	80	520
2-4	G.PP.BXG	100WFB-C3	2900	40 45	16 15	11	5	100	80	500

Performance parameter table

Specification and model			speed	flow	lift	Supporting power	Allow suction depth	Suction caliber	Outlet diameter	Overall weight(reference)
Category Code	Material code	model	r/min	m^3/h	m	kW	≤M	MM	MM	Kg
2-4	G.BXG	100WFB-E	2900	60 80 100	87 80 75	55	5	100	80	720
2-4	G.BXG	100WFB-E1	2900	80 100	60 51	45	5	100	80	680
2-4	G.PP.BXG	100WFB-E2	2900	30 50 55	26 25 24	11	5	100	80	530
2-4	G.PP.BXG	100WFB-E3	2900	58 62	22 18	15	5	100	80	530
2-4	G.BXG	100WFB-F	2900	60 80 100	133 125 120	90	5	100	80	965
2-4	G.BXG	100WFB-F1	2900	80 90 100	108 90 80	75	5	100	80	820
2-4	G.BXG	100WFB-F2	2900	30 50 60	40 38 36	15	5	100	80	550
2-4	G.PP.BXG	100WFB-F3	2900	40 43 46	33 29 26	11	5	100	80	530
2-4	G.BXG	125WFB-A	2900	100 150 180	55 50 45	55	5	125	100	900
2-4	G.BXG	125WFB-A1	2900	170 185	40 30	45	5	125	100	860
2-4	G.PP.BXG	125WFB-A2	2900	70 80 100	20 19 17	15	5	125	100	720
2-4	G.PP.BXG	125WFB-AD	1450	105 110	16 15	15	5	125	100	740
2-4	G.BXG	125WFB-B	2900	120 180 220	86 80 72	110	5	125	100	1150
2-4	G.BXG	125WFB-B1	2900	150 170	65 60	75	5	125	100	1005
2-4	G.PP.BXG	125WFB-B2	2900	80 100 120	26 25 24	22	5	125	100	760
2-4	G.PP.BXG	125WFB-B3	2900	85 90	22 20	18.5	5	125	100	730
2-4	G.BXG	125WFB-C	2900	160 180 200	132 125 120	160	5	125	100	1580

Performance parameter table

Specification and model			speed	flow	lift	Supporting power	Allow suction depth	Suction caliber	Outlet diameter	Overall weight(reference)
Category Code	Material code	model	r/min	m^3/h	m	kW	≤M	MM	MM	Kg
2-4	G.BXG	125WFB-C1	2900	180 190 208	108 93 80	110	5	125	100	1270
2-4	G.BXG	125WFB-C2	2900	80 100 120	40 38 36.5	30	5	125	100	790
2-4	G.PP.BXG	125WFB-C3	2900	92 85 80	23 26 29	22	5	125	100	750
2-4	G.BXG	125WFB-E	2900	70 90 110	52 50 48	37	5	125	100	820
2-4	G.BXG	125WFB-E1	2900	90 95	45 40	30	5	125	100	790
2-4	G.BXG	125WFB-E2	2900	85	36	22	5	125	100	770
2-4	G.BXG	150WFB-A	2900	120 185 200 240	28 26 23.5 22.5	37	5	150	125	990
2-4	G.BXGF	150WFB-BD	1450	156 180 225	40 6 30	45	5	150	125	1060
2-4	G.BXG	150WFB-BD1	1450	220 260	29 25	45	5	150	125	1080
2-4	G.BXG	150WFB-BD2	1450	160 180 195	34 29 26	37	5	150	125	1020
2-4	G.BXG	150WFB-BD3	1450	120 200 240	55 50 45	75	5	150	125	1205
2-4	G.BXG	150WFB-CD	1450	180 190	45 38	55	5	150	125	1100
2-4	G.BXG	150WFB-CD1	1450	165	36	37	5	150	125	1020
2-4	G.BXG	200WFB-AD	1450	250 330 350	26.5 25 23.5	55	5	200	150	1415
2-4	G.BXG	200WFB-AD1	1450	300	22	45	5	200	125	1375
2-4	G.BXG	200WFB-AD2	1450	330	19	37	5	200	125	1335
2-4	G.BXG	200WFB-BD	1450	240 300 350	42 37 33.5	75	5	200	125	1520
2-4	G.BXG	200WFB-BD1	1450	250	28.5	55	5	200	150	1415

Performance parameter table

Specification and model			speed	flow	lift	Supporting power	Allow suction depth	Suction caliber	Outlet diameter	Overall weight(reference)
Category Code	Material code	model	r/min	m^3/h	m	kW	≤M	MM	MM	Kg
2-4	G.BXG	200WFB-BD2	1450	310 380 450 520	25 18 13 10	55	5	200	150	1790
2-4	G.BXG	200WFB-CD	1450	350 380 420	55 50 45	110	5	200	150	1660
2-4	G.BXG	200WFB-CD1	1450	360	45	90	5	200	150	1520
2-4	G.BXG	200WFB-CD2	1450	300 330	40 36	75	5	200	150	1556
2-4	G.BXG	250WFB-AD	1450	290 330 360	26.5 25 23.5	55	5	250	200	1450
2-4	G.BXG	250WFB-AD1	1450	400 430	13 8	45	5	250	200	1660
2-4	G.BXG	250WFB-AD2	1450	340 360 400	35 33 31	75	5	250	200	1660
2-4	G.BXG	250WFB-AD3	1450	500 600 720	28.5 22.5 18	75	5	250	200	1660
2-4	G.BXG	250WFB-BD	1450	350 380 400	45 40 37	90	5	250	200	1800
2-4	G.BXG	250WFB-BD1	1450	300 350 380	50 47 45	90	5	250	200	1800
2-4	G.BXG	250WFB-BD2	1450	200 260 290	57.5 55 52.5	90	5	250	200	1800
2-4	G.BXG	250WFB-BD3	1450	400 628 700	30 24.5 20	90	5	250	200	1800
2-4	G.BXG	300WFB-AD	1450	500 550 600	26.5 25 23.5	90	5	300	250	1880
2-4	G.BXG	300WFB-AD1	1450	370 390 400 430	42 35 33 31	90	5	300	250	1988
2-4	G.BXG	300WFB-AD2	1450	600 650 1000	30 25 18	132	5	300	250	2058

Performance parameter table

Specification and model			speed	flow	lift	Supporting power	Allow suction depth	Suction caliber	Outlet diameter	Overall weight(reference)
Category Code	Material code	model	r/min	m^3/h	m	kW	≤M	MM	MM	Kg
2-4	G.BXG	300WFB-AD3	1450	350 400 450	50 47.5 45	110	5	300	250	2280
2-4	G.BXG	300WFB-BD	1450	300 320 345	57.5 55 52.5	110	5	300	250	2280
2-4	G.BXG	300WFB-BD1	1450	678 780	55 47.5	200	5	300	250	2480
2-4	G.BXG	300WFB-BD2	1450	900 740 590	30 40 50	160	5	300	250	2388
2-4	G.BXG	300WFB-BD3	1450	600 750 850 978	57 45 40 35	200	5	300	250	2400
2-4	G.BXG	300WFB-CD	1450	860	42.5	200	5	300	250	2480
2-4	G.BXG	300WFB-CD1	1450	700 780 890	57.5 52 45	220	5	300	250	2508
2-4	G.BXG	350WFB-AD	1450	550 600 790	26.5 25 23.5	110	5	350	300	2500
2-4	G.BXG	350WFB-AD1	1450	580 690 820	35 33 31	160	5	350	300	2780
2-4	G.BXG	350WFB-AD2	1450	450 500 550	42.5 40 37.5	132	5	350	300	2630
2-4	G.BXG	350WFB-AD3	1450	500 535 590	50 47.5 45	160	5	350	300	2785
2-4	G.BXG	350WFB-BD	1450	306 356 400	57.5 55 52	110	5	350	300	2630
2-4	G.BXG	350WFB-BD1	1450	840 950 1200	55 48 40	250	5	350	300	2785
2-4	G.BXG	350WFB-BD2	1450	886 980 1186	57.5 52.5 45	280	5	350	300	3088
2-4	G.BXG	350WFB-BD3	1450	860 1050 1180	42 35 32	220	5	350	300	2508

Performance parameter table

Specification and model			speed	flow	lift	Supporting power	Allow suction depth	Suction caliber	Outlet diameter	Overall weight(reference)
Category Code	Material code	model	r/min	m^3/h	m	kW	≤M	MM	MM	Kg
2-4	G.BXG	350WFB-CD	1450	1200 1320	35 32	250	5	350	300	2688
2-4	G.BXG	350WFB-CD1	1450	1156 1280	40 35	250	5	350	300	2886
2-4	G.BXG	350WFB-CD2	1450	1128 1050	45 50	280	5	350	300	3080
2-4	G.BXG	350WFB-CD3	1450	1000 1200	57.5 50	315	5	350	300	3285
2-4	G.BXG	350WFB-ED	1450	900 1096	30 25	160	5	350	300	2380
2-4	G.BXG	400WFB-ED1	1450	1140 1370	30 25	220	5	350	300	2600
2-4	G.BXG	400WFB-AD	1450	1850 1520 1450	15 18 20	160	5	400	350	2860
2-4	G.BXG	400WFB-AD1	1450	1680	10	200	5	400	350	2150
2-4	G.BXG	400WFB-AD2	1450	1600	75	375	5	400	350	1800
2-4	G.BXG	400WFB-AD3	1450	2050	55	375	5	400	350	1750
2-4	G.BXG	400WFB-BD	1450	1700 2085	20 15	220	5	400	350	2500
2-4	G.BXG	400WFB-BD1	1450	1600 2000	22.5 18	200	5	400	350	2650
2-4	G.BXG	400WFB-BD2	1450	2226 1880	20 25	250	5	400	350	2880
2-4	G.BXG	400WFB-BD3	1450	1700 2506	30 20	280	5	400	350	2980
2-4	G.BXG	400WFB-CD	1450	2308	8	132	5	400	350	2650
2-4	G.BXG	400WFB-CD1	1450	1880	12	160	5	400	350	2750
2-4	G.BXG	400WFB-CD2	1450	2280	12	200	5	400	350	2860
2-4	G.BXG	400WFB-CD3	1450	1905	18	200	5	400	350	2900
2-4	G.BXG	450WFB-AD	1450 1450	1650 2880	35 20	315	5	450	400	
2-4	G.BXG	450WFB-AD1	1450	2890	5	90	5	450	400	
2-4	G.BXG	450WFB-BD	1450	2825	8	132	5	450	400	
2-4	G.BXG	450WFB-BD1	1450	2825	12	200	5	450	400	
2-4	G.BXG	600WFB-AD	1450	3400	8	160	5	600	500	
2-4	G.BXG	600WFB-BD	1450	4280	8	200	5	600	500	
2-4	G.BXG	600WFB-CD	1450	4020	5	110	5	600	500	
2-4	G.BXG	800WFB-AD	1450	4520	5	132	5	800	600	
2-4	G.BXG	800WFB-BD	1450	5480	5	160	5	800	600	
2-4	G.BXG	800WFB-CD	1450	6850	5	200	5	800	600	

FJX axial flow pump

Overview

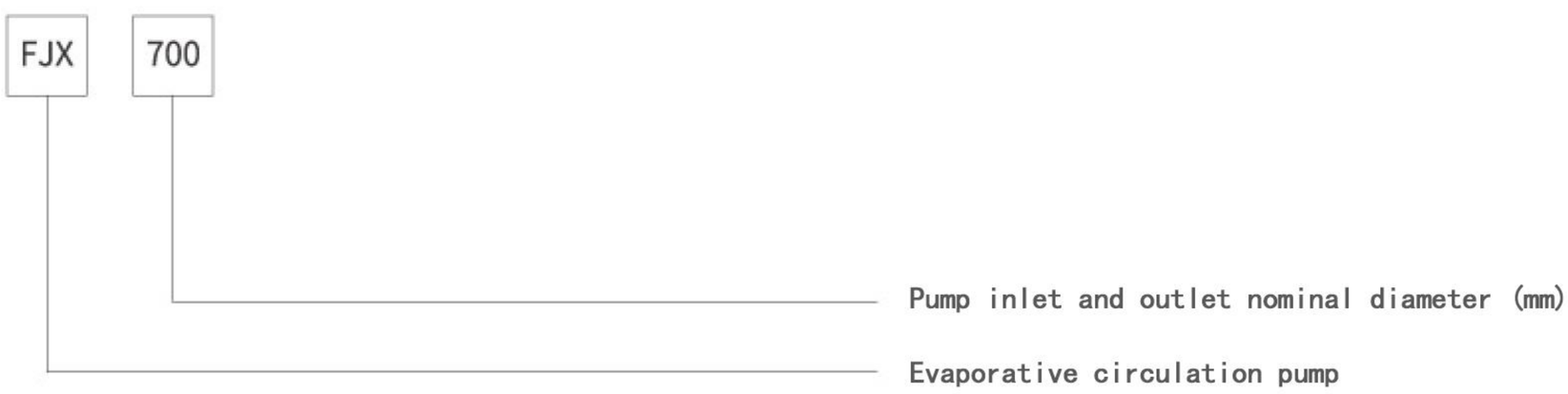
The FJX evaporation crystallization circulating pump is a large flow, low head axial flow pump suitable for evaporation and concentration in industries such as diaphragm caustic soda, phosphate fertilizer, alumina, Qinbai powder, chlorinated calcium, calcium chloride sugar, salt, papermaking, wastewater, etc.

Structural characteristics

Good anti cavitation performance: suitable for low liquid level evaporators, greatly reducing investment in evaporation plants. It is also suitable for new evaporators equipped with high fluid resistance heating chambers on the pump inlet side (reverse circulation evaporators, double heating chamber series evaporators).
High pump efficiency and wide efficiency zone: By changing the installation angle of the blades and changing the speed, it can meet the user's requirements for flow and head, and ensure that the operating conditions of the pump are within the pump efficiency zone, with significant energy-saving effects.
Slow speed type: The pump runs smoothly; Light wear and long service life of overcurrent components; Low crystal damage, suitable for evaporative crystallization process cantilever rotor: Compared with double support type, the number of shaft seals is reduced by half, the pump weight is light, the overall size is small, and maintenance is convenient. Pump body center support: Compared to the pump body foot support type, the rotor is thermally neutral. Rear door structure: Without disassembling the inlet and outlet flanges of the pump body, the rotor can be extracted, making maintenance convenient and fast. Advanced shaft seal: using containerized machine seal, with a lifespan of 6-12 months; Seal with a new type of liquid blocking packing, with a packing life of 3-6 months. Evaporator without expansion joint: can be used as an elastic pump base or a suspended pump, with reliable thermal compensation and reduced evaporator investment. The whole machine is reliable: the pump shaft has high strength, the bearing capacity is large, the bearing seat has a water-cooled sleeve, the shaft seal has a long service life, and the material performance is good, ensuring the long-term operation of a single pump.

Model Meaning

example: FJX—700



Performance range

Caliber: 350-900mm
Flow rate: 800-10000m³/h
Lift: 2-8m
Working pressure: ≤0.6MPa
Working temperature: ≤250℃

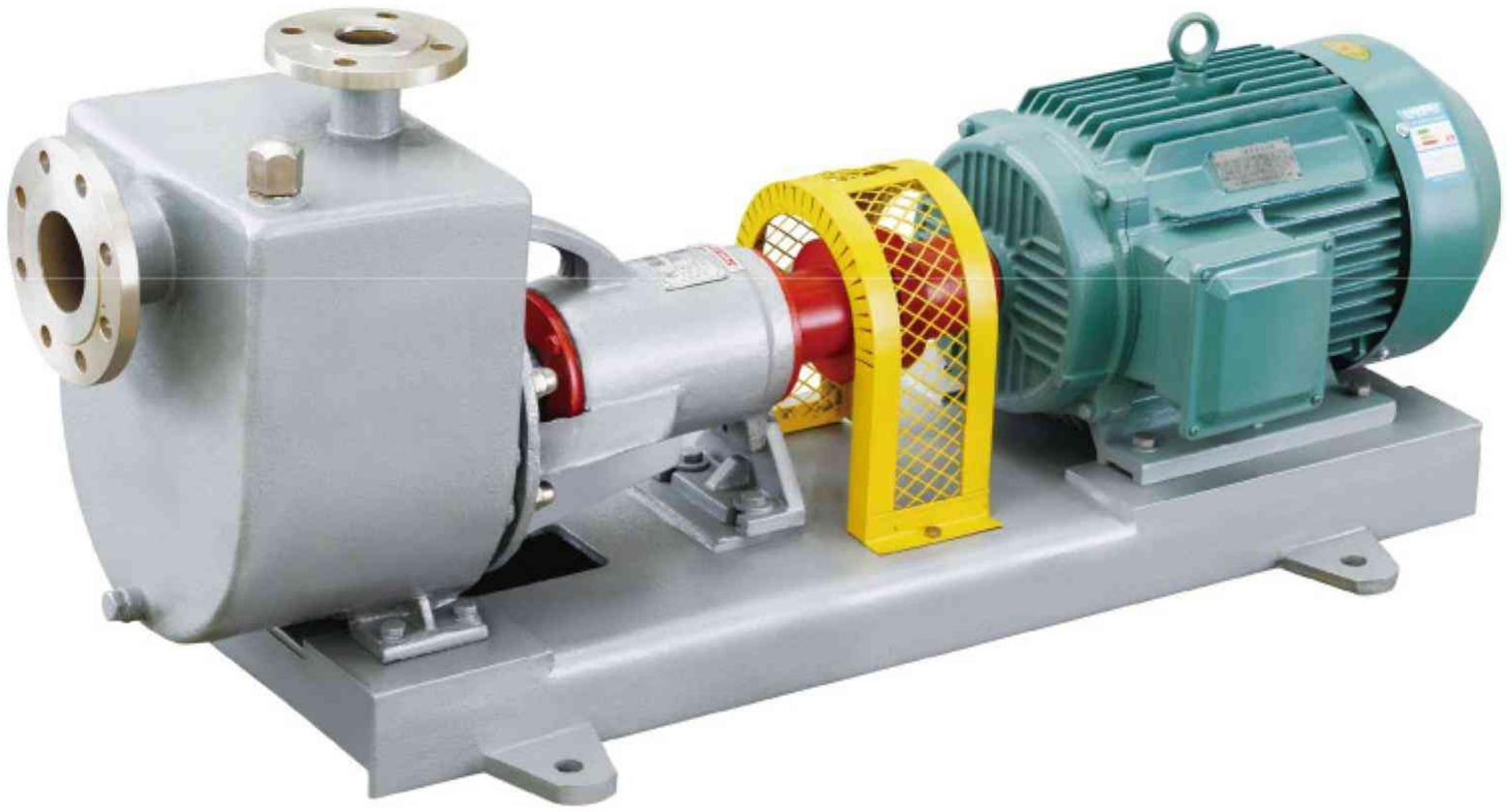
Transmission mode

Direct connection: The pump and motor are directly connected through a flexible coupling (code D)
Belt transmission: Through triangular belt transmission, it is easy to adjust the pump performance by changing the speed (code V)
Reducer: Reduce speed through gearbox, suitable for high-power pumps (code G)

Performance parameter table

model	flow	lift	speed	Allocated power
	m³/h	m	r/min	kW
FJX250	300-400	2.5-4	1450	18.5-22
FJX300	520-650	2.5-4	960	22-30
FJX350	800-1300	6	980	45
FJX400	1200-1800	2.4-5.8	740-1200	22-45
FJX450	2000	4	980	55
FJX500	1500-2400	2.4-6.8	680-980	37-90
FJX550	1800-3000	4-5	980	90-110
FJX600	2000-3600	2.4-6	580-980	45-132
FJX700	3000-5700	2.5-5	470-650	55--185
FJX800	4800-7600	2.5-5	470-580	75-220
FJX900	6600-9000	2.5-5	370-490	75-250
FJX1000	9000-13000	2.5-4	200-420	160-315

ZW type
Self priming pump



Overview

The ZW series non clogging sewage pump is an efficient, energy-saving, and non clogging sewage pump developed by combining advanced technology from similar products at home and abroad. All performance indicators have reached the technical level of similar products abroad. Due to the use of unique open impellers and the use of special hard alloy materials for mechanical sealing dynamic and static rings, the entire sealing system fully adopts foreign technology, featuring non clogging, long sealing life, convenient maintenance, and high efficiency, Highly popular among users.

Structure Introduction

The ZW series non clogging sewage pump is made of carbon steel and stainless steel to meet the different requirements of users, and can be equipped with explosion-proof motors. The structure consists of two parts: an electric motor and a water pump.

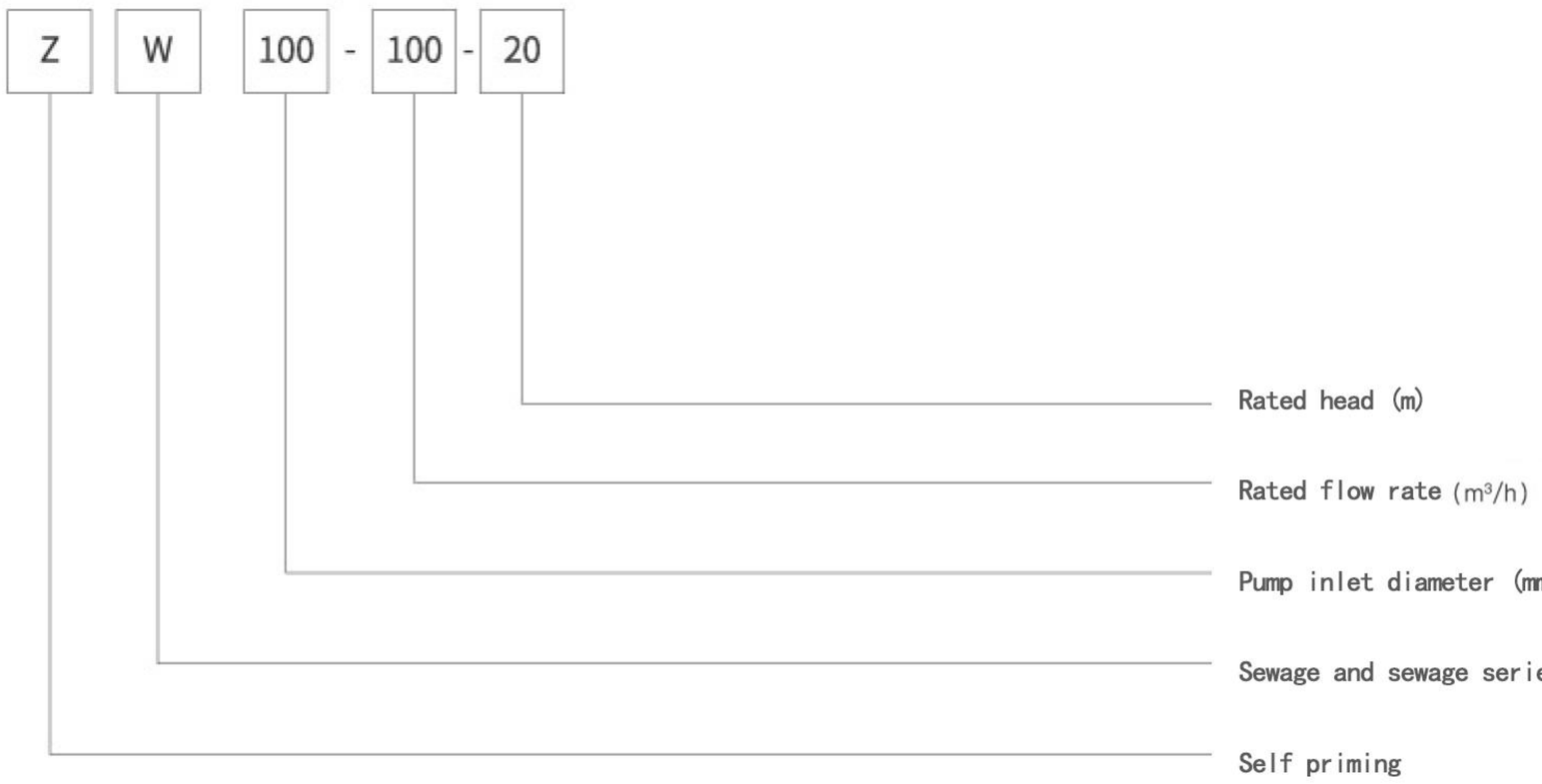
1. The motor adopts an asynchronous motor, which can be selected as a variable frequency or explosion-proof motor.
2. The water pump is located at the other end of the motor. The impeller of the water pump is open and has strong drainage force, which is not easy to block. It pumps dirty liquid containing fiber substances and suspended solid particles, with advanced sealing technology and long service life.

Application scope

The ZW series non clogging sewage pump is mainly suitable for conveying industrial wastewater and urban domestic sewage. Its biggest advantage is that it has strong self suction capacity, and the suction pipeline does not need to be equipped with a bottom valve. It can transport sewage containing large solid particles, fiber materials, and various impurities, with a solid content of less than 35% and is not easily clogged. In addition to being suitable for transporting sewage, it can also be used as a drainage pump, pulp pump, filtration and flushing condensate circulation pump, irrigation pump, etc. It is widely used in mines, construction sites, hospitals, hotels, sewage treatment and other occasions. Suitable for medium temperatures ranging from 0 to 150. This series of non clogging sewage pumps is divided into two types: ordinary type and corrosion-resistant type. The ordinary type material is A3, and the corrosion-resistant type material is 304, 316, 316L, etc. Different materials are available for different occasions.

Model Meaning

example: ZW 100–100–20



Performance parameter table

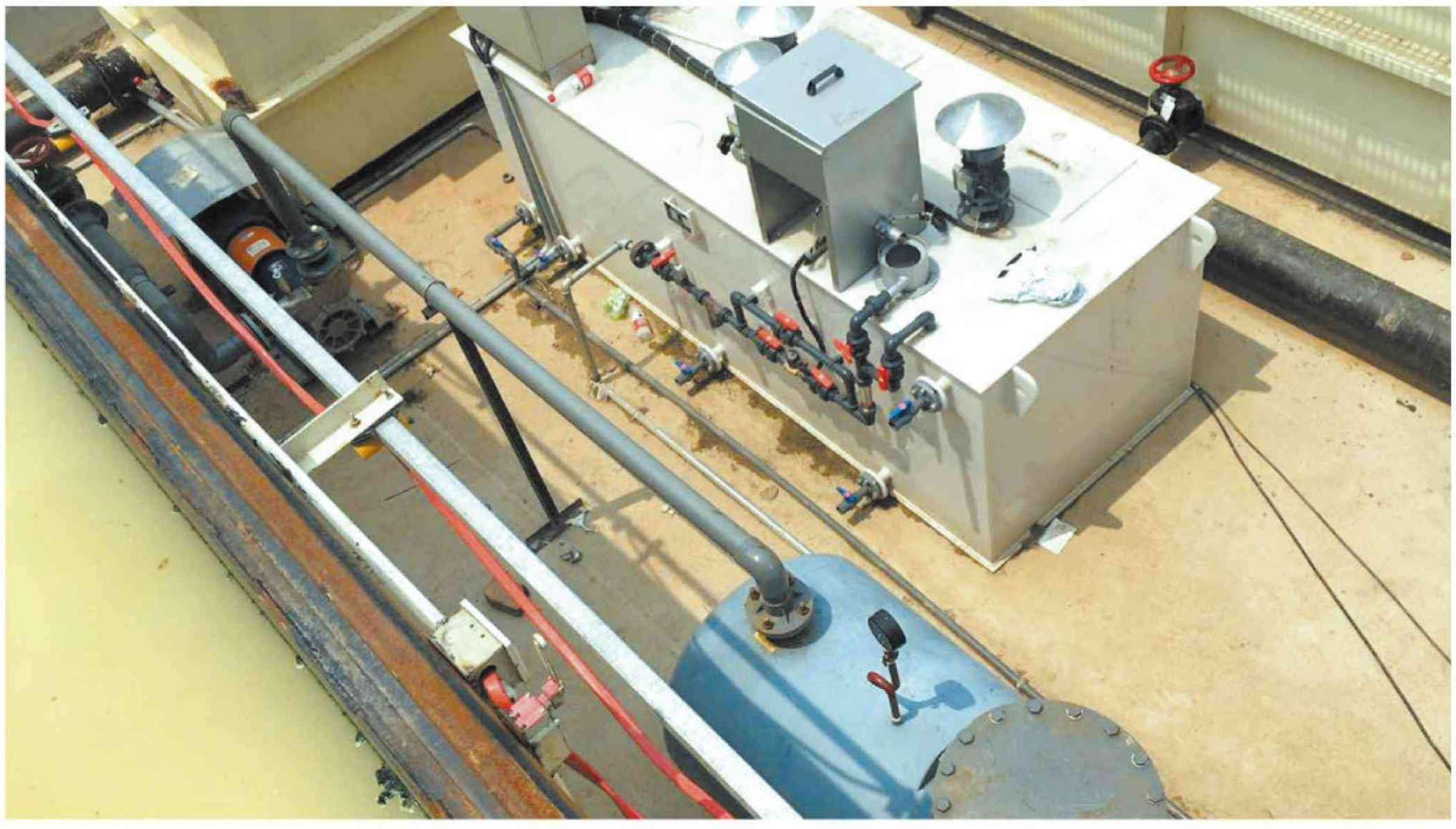
Rated speed of pump n=2900r/min			
Pump model	flow	lift	Equipped with electromechanical equipment
	m³/h	m	kW
ZW25–3.2–20	3.2	20	1.1
ZW25–3.2–32	3.2	32	2.2
ZW25–3.2–50	3.2	50	5.5
ZW25–3.2–80	3.2	80	7.5
ZW40–6.3–20	6.3	20	1.5
ZW40–6.3–32	6.3	32	3
ZW40–6.3–50	6.3	50	5.5
ZW40–6.3–80	6.3	80	11
ZW50–12.5–20	12.5	20	3
ZW50–12.5–32	12.5	32	4
ZW50–12.5–50	12.5	50	7.5
ZW50–12.5–80	12.5	80	15
ZW65–25–20	25	20	4
ZW65–25–32	25	32	7.5
ZW65–25–50	25	50	11
ZW65–25–80	25	80	22
ZW80–50–20	50	20	7.5
ZW80–50–32	50	32	11
ZW80–50–50	50	50	18.5

Performance parameter table n=1450r/min			
Pump model	flow	lift	Equipped with electromechanical equipment
	m³/h	m	kW
ZW25–1.6–5	1.6	5	1.1
ZW25–1.6–8	1.6	8	1.5
ZW25–1.6–12.5	1.6	12.5	2.2
ZW25–1.6–20	1.6	20	3
ZW40–3.2–5	3.2	5	1.1
ZW40–3.2–8	3.2	8	1.5
ZW40–3.2–12.5	3.2	12.5	2.2
ZW40–3.2–20	3.2	20	3
ZW50–6.3–5	6.3	5	1.1
ZW50–6.3–8	6.3	8	1.5
ZW50–6.3–12.5	6.3	12.5	3
ZW50–6.3–20	6.3	20	4
ZW65–12.5–5	12.5	5	1.5
ZW65–12.5–8	12.5	8	2.2
ZW65–12.5–12.5	12.5	12.5	3
ZW65–12.5–20	12.5	20	4
ZW80–25–5	25	5	1.5
ZW80–25–8	25	8	2.2
ZW80–25–12.5	25	12.5	2.2

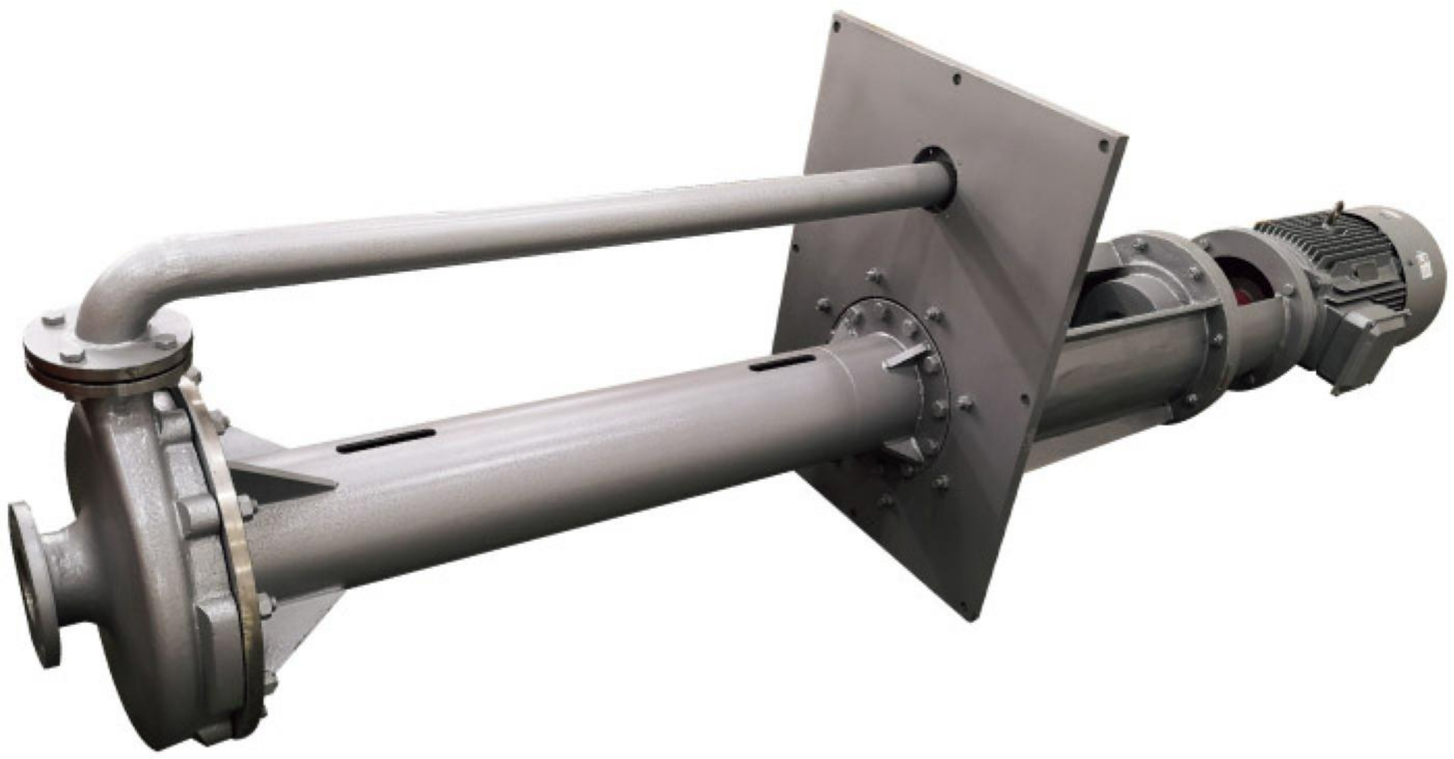
Performance parameter table

Rated speed of pump n=2900r/min			
Pump model	flow	lift	Equipped with electromechanical equipment
	m^3/h	m	kW
ZW80-50-80	50	80	45
ZW100-100-20	100	20	15
ZW100-100-32	100	32	22
ZW100-100-50	100	50	37
ZW100-100-80	100	80	55
ZW125-200-50	200	50	55
ZW125-200-80	200	80	75

Performance parameter table n=1450r/min			
Pump model	flow	lift	Equipped with electromechanical equipment
	m^3/h	m	kW
ZW80-25-20	25	20	4
ZW80-25-32	25	32	7.5
ZW80-25-50	25	50	15
ZW100-50-5	50	5	1.5
ZW100-50-8	50	8	2.2
ZW100-50-12.5	50	12.5	4
ZW100-50-20	50	20	5.5
ZW100-50-32	50	32	11
ZW100-50-50	50	50	30
ZW125-100-12.5	100	50	7.5
ZW125-100-20	100	20	11
ZW125-100-32	100	32	18.5
ZW125-100-50	100	50	37
ZW150-200-20	200	20	18.5
ZW150-200-32	200	32	37
ZW150-200-50	200	50	75
ZW200-400-20	400	20	55
ZW200-400-32	400	32	75
ZW200-400-50	400	50	110



LJYA type
Submerged pump



Overview

The LJYA cantilever vertical underwater slurry pump is developed by our company in combination with similar advanced products at home and abroad. It is suitable for conveying abrasive liquids containing less than 35%, particles smaller than 2mm, temperatures between 0-105C, and corrosiveness. Especially suitable for conveying media such as phosphoric acid and phosphate slurry in the phosphate fertilizer industry. According to the different conveying media, the materials for the flow passage components of the pump include 1Cr18Ni9Ti, 304, 304L, 316, 316L, Cr30A, CD4MCu, and other materials for users to choose from.
The underwater depth of this series of pumps is 0.6-1.5 meters.

performance parameter

Flow
5-400m³/h

Lift
5-80m

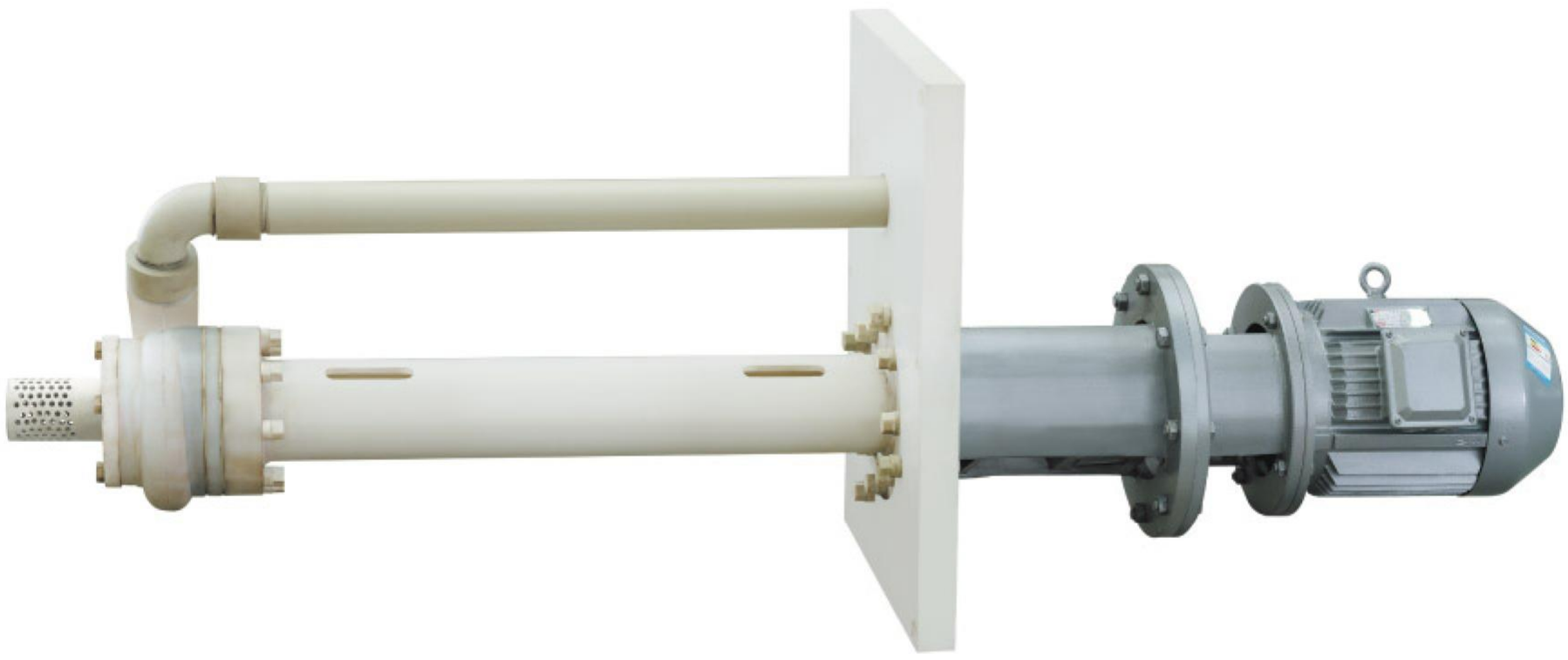
Model Meaning

example: 50 LJYA-25 A

Performance parameter table

Rated speed of pump n=1450r/min				Rated speed of pump n=1450r/min			
Pump model	flow	lift	Motor power	Pump model	flow	lift	Motor power
	m^3/h	m	kW		m^3/h	m	kW
25LJYA-5	1.6	5	1.1	80LJYA-20	25	20	5.5
25LJYA-8	1.6	8	1.5	80LJYA-32	25	32	11
25LJYA-12.5	1.6	12.5	2.2	80LJYA-50	25	50	18.5
25LJYA-20	1.6	20	2.2	100LJYA-5	50	5	3
40LJYA-5	3.2	5	1.5	100LJYA-8	50	8	4
40LJYA-8	3.2	8	1.5	100LJYA-12.5	50	12.5	5.5
40LJYA-12.5	3.2	12.5	2.2	100LJYA-20	50	20	7.5
40LJYA-20	3.2	20	3	100LJYA-32	50	32	15
50LJYA-5	6.3	5	1.5	100LJYA-50	50	50	30
50LJYA-8	6.3	8	2.2	125LJYA-12.5	100	12.5	11
50LJYA-12.5	6.3	12.5	2.2	125LJYA-20	100	20	15
50LJYA-20	6.3	20	3	125LJYA-32	100	32	22
65LJYA-5	12.5	5	1.5	125LJYA-50	100	50	37
65LJYA-8	12.5	8	2.2	150LJYA-20	200	20	22
65LJYA-12.5	12.5	12.5	3	150LJYA-32	200	32	37
65LJYA-20	12.5	20	4	150LJYA-50	200	50	55
65LJYA-32	12.5	32	7.5	150LJYA-65	200	65	75
80LJYA-5	25	5	2.2	200LJYA-20	400	20	37
80LJYA-8	25	8	3	200LJYA-32	400	32	55
80LJYA-12.5	25	12.5	4	200LJYA-50	400	50	90

FYS fluoroplastic submerged pump



Overview

The FYS series fluoroplastic vertical submerged pump is a single stage single suction long shaft submerged pump developed and produced by our company in combination with similar products at home and abroad. The pump is suitable for conveying corrosive media with temperatures ranging from 0C to+80C, without solid particles or abrasives. All parts of the FYS series submerged pump that come into contact with the medium are wrapped in fluoroplastic, and the lower sheath is made of high-quality silicon carbide, which has the advantage of strong corrosion resistance. When starting the FYS series corrosion-resistant vertical submerged pump, the liquid level must be 180mm above the centerline of the impeller.

performance parameter

Flow
1.6-100m³/h

Lift
5-50m

Model Meaning

example: 50 FYS-25

50 FY S - 25

- 25 — Rated head (m)
- S — Fluoroplastic material
- FY — Vertical submerged pump code
- 50 — Pump inlet diameter (mm)

Performance parameter table

model	flow	lift	Equipped with motor	speed
	m³/h	m	kW	n
25FYS-10	1.5	10	1.5	2900
25FYS-18	3.6	18	2.2	2900
40FYS-15	5	15	2.2	2900
40FYS-25	10	20	3	2900
50FYS-25	15	25	4	2900
50FYS-30	15	30	5.5	2900
50FYS-50	12.5	50	7.5	2900
65FYS-25	25	25	5.5	2900
65FYS-32	29	32	5.5	2900
65FYS-50	25	50	11	2900
80FYS-20	50	20	5.5	2900
80FYS-30	50	30	7.5	2900
80FYS-50	50	50	15	2900
100FYS-20	100	20	15	2900
100FYS-30	100	30	18.5	2900
100FYS-40	100	40	22	2900

FY type
Submerged pump

Overview

The FY (HY) series vertical submerged pump is a single stage, single suction, long shaft submerged centrifugal pump developed and produced by our company in combination with similar products at home and abroad. This pump does not have a sealing structure, which solves the maintenance problem caused by seal wear. It is suitable for conveying general corrosive media with temperatures ranging from 0 to 105C and no solid particles or abrasives. The pump has high efficiency and no leakage, and is widely used in industries such as petroleum, chemical, metallurgy, environmental protection, pharmaceuticals, sewage treatment, etc. If the conveying medium contains a small amount of solid particles, we can choose the LJYA series cantilever submerged pump produced by our company or use a semi open impeller. According to the different media conveyed, the materials used for the liquid contact part of the FY (HY) series vertical submerged pump can be made of 304, 316L, 904, dual phase steel, cast steel, cast iron, and other materials.

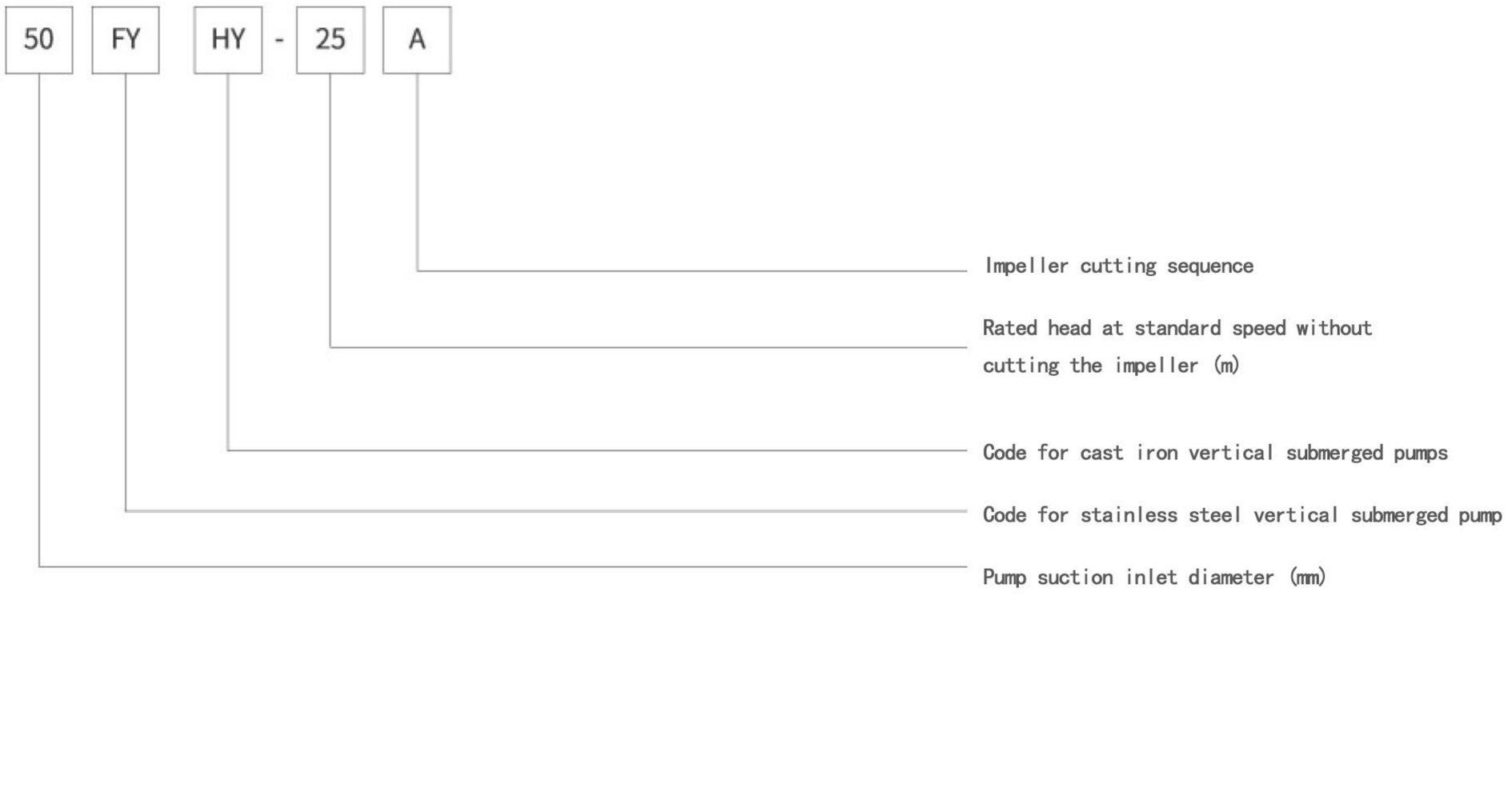
performance parameter

Flow
1.6-400m³/h

Lift
5-80m

Model Meaning

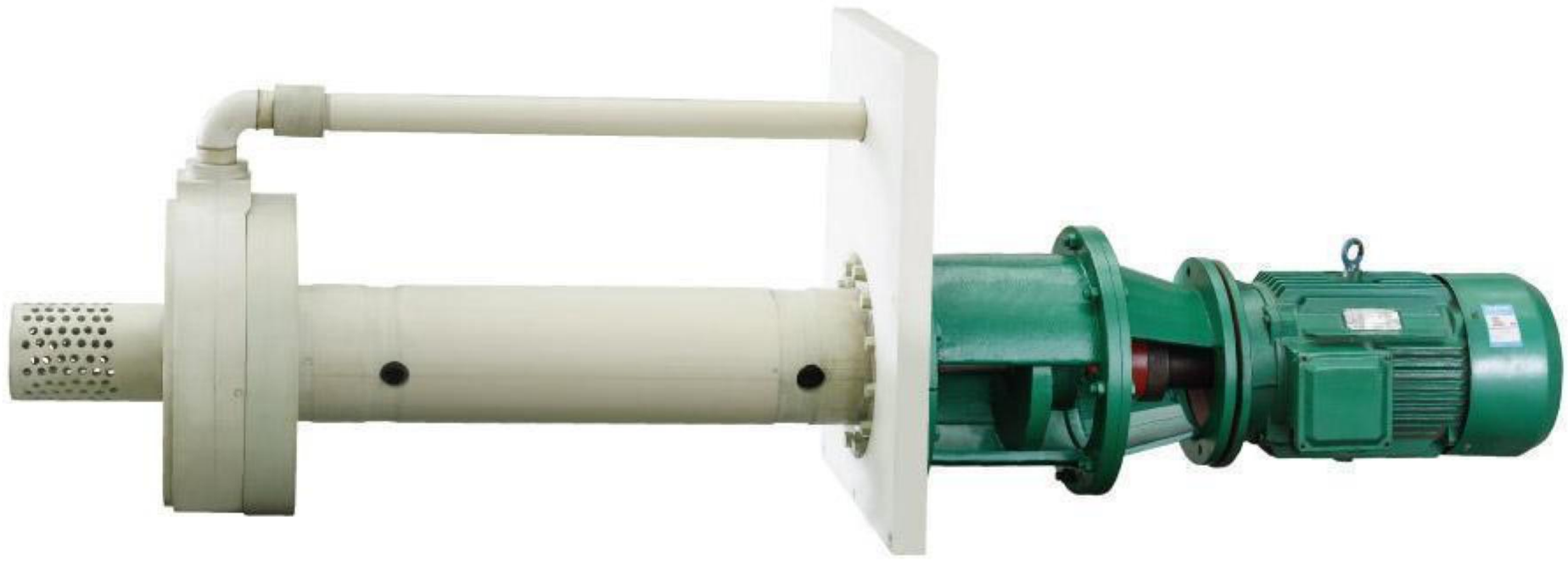
example: 50FY(HY)-25A



Performance parameter table

Rated speed of pump n=2950r/min				Rated speed of pump n=1450r/min		
Pump model	flow	lift	Motor power	flow	lift	Motor power
	m^3/h	m	kW	m^3/h	m	kW
25FY (HY) -25	3.6	25	2.2	1.6	6	0.75
25FY (HY) -41	3.6	41	4	1.6	10	1.5
25FY (HY) -50	3.2	50	5.5	1.6	12.5	1.5
25FY (HY) -80	3.2	80	7.5	1.6	20	2.2
40FY (HY) -16	7.2	16	2.2	3.6	4	1.1
40FY (HY) -26	7.2	26	3	3.6	5	1.1
40FY (HY) -40	7.2	40	4	3.6	10	1.5
40FY (HY) -50	6.3	50	5.5	3.2	12.5	1.5
40FY (HY) -80	6.3	80	11	3.2	20	2.2
50FY (HY) -25	14.4	25	4	7.2	6	1.5
50FY (HY) -40	14.4	40	7.5	7.2	10	2.2
50FY (HY) -50	12.5	50	7.5	6.3	12.5	2.2
50FY (HY) -80	12.5	80	15	6.3	20	3
65FY (HY) -25	28.8	25	5.5	14	6	1.5
65FY (HY) -40	28.8	40	11	14	10	3
65FY (HY) -50	25	50	11	12.5	12.5	3
65FY (HY) -80	25	80	18.5	12.5	20	3
80FY (HY) -15	54	15	5.5	27	4	0.75
80FY (HY) -24	54	24	11	27	6	1.1
80FY (HY) -38	54	38	15	27	9	1.5
80FY (HY) -50	50	50	22	25	12.5	2.2
80FY (HY) -80	50	80	30	25	20	4
100FY (HY) -23	100	23	11	50	5	2.2
100FY (HY) -37	100	37	15	50	9	3
100FY (HY) -50	100	50	30	50	12.5	4
100FY (HY) -80	100	80	45	50	20	7.5
125FY (HY) -50	200	50	45	100	12	7.5
125FY (HY) -80	200	80	75	100	20	15
125FY (HY) -32				100	32	18.5
125FY (HY) -50				100	50	30
150FY (HY) -20				200	20	30
150FY (HY) -32				200	32	45
150FY (HY) -50				200	50	55
200FY (HY) -20				400	20	45
200FY (HY) -32				400	32	75
200FY (HY) -50				400	50	90

Submerged pump



Overview

The BLKI series vertical corrosion-resistant and wear-resistant submerged pump is a non-metallic material single stage single suction long shaft submerged pump developed by our company in combination with similar products at home and abroad. The pump is suitable for conveying highly corrosive media containing solid particles and abrasives at temperatures ranging from 0 ° C to+100C. All parts of the BLKL series corrosion-resistant and wear-resistant submerged pump that come into contact with the medium are made of materials such as F46, PFA, PPH, and other materials through high-temperature and high-pressure one-time molding. The lower sheath material is made of pressureless sintered silicon carbide, which has the advantages of reasonable structure, convenient maintenance, and long service life. It can fully compare with similar imported equipment Comparable in preparation.

Performance parameter range

Flow
1.6-400m³/h

Lift
5-80m

Submerged length
L≤1.5m

Model Meaning

example: BLKL 50-32-160

Performance parameter table

Rated speed of pump n=1450r/min					Rated speed of pump n=1450r/min				
Pump model	flow	lift	efficiency	Motor power	Pump model	flow	lift	efficiency	Motor power
	m^3/h	m	%	kW		m^3/h	m	%	kW
BLKL40-32-125	3.2	5	22	1.5	BLKL100-80-125	50	5	73	2.2
BLKL40-32-160	3.2	8	19	2.2	BLKL100-80-160	50	8	72	4
BLKL40-32-200	3.2	12.5	17	3	BLKL100-65-200	50	12.5	68	5.5
BLKL40-32-250	3.2	20	15	4	BLKL100-65-250	50	20	65	7.5
BLKL50-32-125	6.3	5	42	1.5	BLKL100-65-315	50	32	58	15
BLKL50-32-160	6.3	8	38	2.2	BLKL100-65-400	50	50	68	30
BLKL50-32-200	6.3	12.5	33	3	BLKL125-100-200	100	12.5	72	11
BLKL50-32-250	6.3	20	27	4	BLKL125-100-250	100	20	72	15
BLKL65-50-125	12.5	5	52	1.5	BLKL125-100-315	100	32	68	22
BLKL65-50-160	12.5	8	48	2.2	BLKL125-100-400	100	50	60	37
BLKL65-40-200	12.5	12.5	45	3	BLKL150-125-250	200	20	77	22
BLKL65-40-250	12.5	20	39	4	BLKL150-100-315	200	32	75	37
BLKL65-40-315	12.5	32	33	7.5	BLKL150-100-400	200	50	70	75
BLKL80-65-125	25	5	64	1.5	BLKL 200-150-250	400	20	81	45
BLKL80-65-160	25	8	62	2.2	BLKL 200-150-315	400	32	79	75
BLKL80-50-200	25	12.5	57	3	BLKL.200-150-400	400	50	78	110
BLKL80-50-250	25	20	53	5.5					
BLKL80-50-315	25	32	43	11					
BLKL80-50-400	25	50	53	18.5					

Desulfurization submerged pump

Overview

YTL series submerged desulfurization pump is a vertical desulfurization submerged pump carefully developed by our company based on the characteristics of industrial flue gas desulfurization and absorbing advanced technology from similar products at home and abroad; Mainly used for conveying various slurries with a solid content not exceeding 35%.

Performance parameter range

Flow	Lift	Working pressure	Temperature
1.6-400m³/h	5-80m	1.6MPa	-20-100℃

Model Meaning

example: YTL50-160

STRUCTURE DESCRIPTION

The YTL series submerged desulfurization pump is a cantilever centrifugal pump when the underwater length of the pump is less than 1.5 meters. The underwater part has no bearings, seals, or any vulnerable parts, and is maintenance free. This structural pump mainly consists of pump body, impeller, pump cover, support pipe, pump frame, shaft, and other components.
The YTL series submerged desulfurization pump is a vertical long shaft submerged centrifugal pump with wear-resistant and corrosion-resistant sliding bearings in the submerged part when the submerged length of the pump is greater than 1.5 meters; This structural pump is composed of pump body, impeller, pump cover, lower wear-resistant sliding bearing, intermediate grinding sliding bearing, support pipe, pump frame, shaft and other components (requiring external flushing device).

Performance parameter table

Rated speed of pump n=1450r/min				Rated speed of pump n=1450r/min			
Pump model	flow	lift	Motor power	Pump model	flow	lift	Motor power
	m^3/h	m	kW		m^3/h	m	kW
YTL25-125	1.6	5	1.1	YTL80-250	25	20	5.5
YTL25-160	1.6	8	1.5	YTL80-315	25	32	11
YTL25-200	1.6	12.5	2.2	YTL80-400	25	50	18.5
YTL25-250	1.6	20	2.2	YTL100-125	50	5	3
YTL40-125	3.2	5	1.5	YTL100-160	50	8	4
YTL40-160	3.2	8	1.5	YTL100-200	50	12.5	5.5
YTL40-200	3.2	12.5	2.2	YTL100-250	50	20	7.5
YTL40-250	3.2	20	3	YTL100-315	50	32	15
YTL50-125	6.3	5	1.5	YTL100-400	50	50	30
YTL50-160	6.3	8	2.2	YTL125-200	100	12.5	11
YTL50-200	6.3	12.5	2.2	YTL125-250	100	20	15
YTL50-250	6.3	20	3	YTL125-315	100	32	22
YTL65-125	12.5	5	1.5	YTL125-400	100	50	37
YTL65-160	12.5	8	2.2	YTL150-250	200	20	22
YTL65-200	12.5	12.5	3	YTL150-315	200	32	37
YTL65-250	12.5	20	4	YTL150-400	200	50	55
YTL65-315	12.5	32	7.5	YTL150-450	200	65	75
YTL80-125	25	5	2.2	YTL200-250	400	20	37
YTL80-160	25	8	3	YTL200-315	400	32	55
YTL80-200	25	12.5	4	YTL200-400	400	50	90

FZB type self priming pump

Overview

1. The FZB/FZB-L fluoroplastic self priming pump is suitable for conveying media with physical properties similar to water at temperatures ranging from -5C to 80C: acids, alkalis, salts, oxidants, and other corrosive media (fast hard crystals or media containing solid particles are prohibited). The flow components are made of polyfluoroethylene propylene resin (F46) or polyethylene resin (PE) through molding and processing. It combines the advantages of various non-metallic materials and has excellent corrosion resistance, And it has the advantages of high mechanical strength, less aging, and no toxin decomposition. It is an ideal equipment for transporting various strong, weak acid, and corrosive media.
2. The FZB/FZB-L fluoroplastic self priming pump is a new type of fluoroplastic alloy corrosion-resistant series product designed according to the requirements of users in the chemical industry. The pump adopts an external mixing self priming structure, and the pump body needs to be filled with medium solution before the first start. In the future, frequent starts do not need to be filled with water or vacuum, making it easy to operate. This product is widely used in industries such as chemical, petroleum, pharmaceutical, pesticide, paint, smelting, papermaking, electroplating, food, etc. The sealing adopts mechanical sealing, which is an ideal anti-corrosion conveying equipment for building a civilized factory to prevent leakage, leakage, and dripping.

Performance range and model description (FZB and FZB-L series fluoroplastic self priming pumps)

Flow
3.6-50m³/h

Lift
10-30m

Model Meaning

example: 80FZB-25L

Performance parameter table

model	flow	lift	Motor power	speed	Shaft power	efficiency
	m^3/h	m	kW	r/min	kW	%
25FZB-18 25FZB-18L	3.6	18	2.2	2900	29	2
40FZB-25 40FZB-25L	8	25	3		52	4
40FZB-30 40FZB-30L	8	30	3		49	5
50FZB-25 50FZB-25L	12	25	4		50	5
50FZB-30 50FZB-30L	12	30	4		49	5
65FZB-32 65FZB-32L	25	32	5.5		60	5
80FZB-25 80FZB-25L	50	25	7.5		60	5
80FZB-30 80FZB-30L	50	30	7.5		61	5

FSB type
Fluorine pump

Overview

1. FSB and FSB-L fluoroplastic pumps are suitable for transporting media with physical properties similar to water at temperatures ranging from -5C to+80C: acids, alkalis, salts, oxidizing agents, and other corrosive media (fast hard crystals or media containing solid particles are prohibited from being transported). The flow passage components of FSB fluoroplastic pump are made of polytetrafluoroethylene propylene resin F46 or polyethylene resin (PE) through molding and processing. It combines the advantages of various non-metallic materials, has strong corrosion resistance, high mechanical strength, is not easy to age, and is non-toxic to decompose. It is an ideal equipment for transporting various strong, weak acid, and corrosive media.
2. Design description of pumps: FSB and FSB-L models are new corrosion-resistant series pump products carefully designed by our company using special pump processing technology. These products have the advantages of reasonable design, compact structure, reliable performance, convenient use and maintenance, and energy conservation.
3. The manufacturing and acceptance specifications for FSB and FSB-L fluoroplastic pumps strictly adhere to relevant standards, ensuring the quality of the series of products. This product is widely used in industries such as chemical, petroleum, pharmaceutical, pesticide, dye, paint, smelting, papermaking, electroplating, food, etc. The seal adopts mechanical sealing, and years of use have proven that the modified product is an ideal anti-corrosion conveying equipment for preventing leakage, leakage, dripping, and leakage in the construction of a civilized factory.

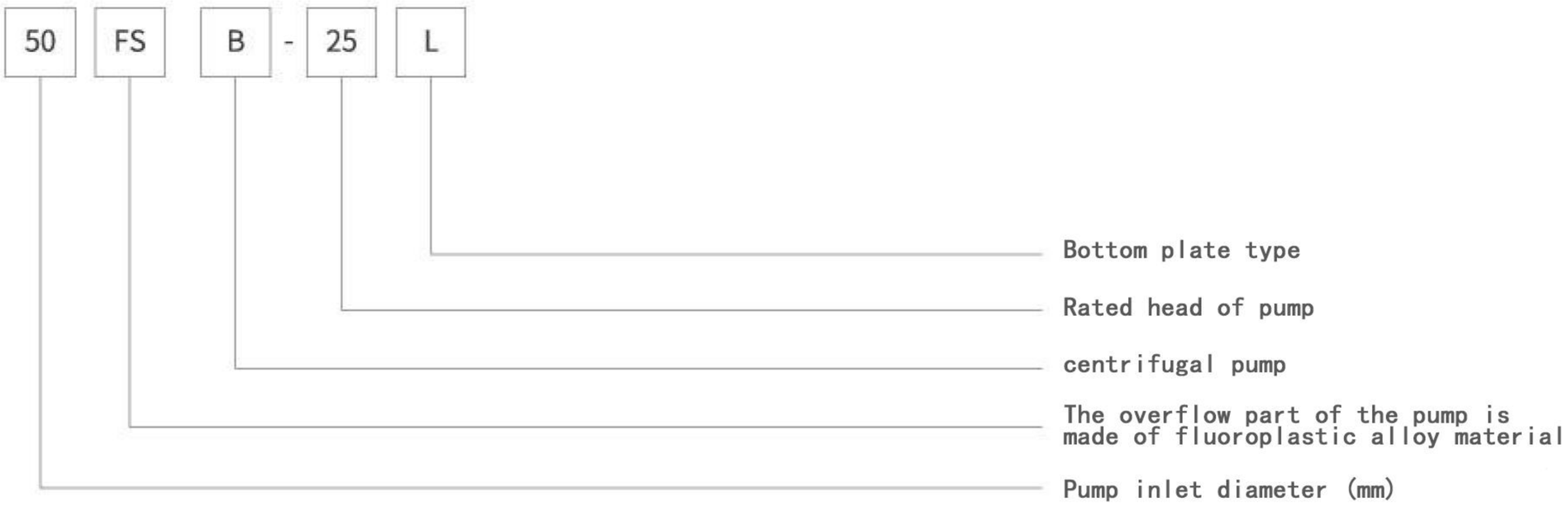
Performance range and model description (FSB and FSB-L series corrosion-resistant pumps)

Flow
1.5-100m³/h

Lift
10-50m

Model Meaning

example: 50FSB-25L



Performance parameter table

model	flow	lift	Motor power	speed	Shaft power	efficiency
	m^3/h	m	kW	r/min	kW	%
25FSB-10 25FSB-10L	1.5	10	1.5	2900	0.13	29
25FSB-18 25FSB-18L	3.6	18	2.2		0.59	27
40FSB-15 40FSB-15L	5	15	2.2		0.40	40
40FSB-25 40FSB-25L	10	25	3		1.16	42
50FSB-25 50FSB-25L	15	25	4		1.86	49
50FSB-30 50FSB-30L		30	5.5		1.90	44
50FSB--50 50FSB--50L	12.5	50	7.5		4.25	40
65FSB-32 65FSB-32L	29	32	5.5		3.61	57
65FSB-50 65FSB-50L	25	50	11		7.45	53
80FSB-20 80FSB-20L	50	20	5.5		3.8	72
80FSB-30 80FSB-30L		30	7.5		6.82	62
80FSB-50 80FSB-50L		50	15		11.3	60
100FSB-20 100FSB-20L	100	20	15		8.69	71
100FSB-30 100FSB-30L		30	18.5		11.5	70
100FSB-40 100FSB-40L		40	22		19.7	69

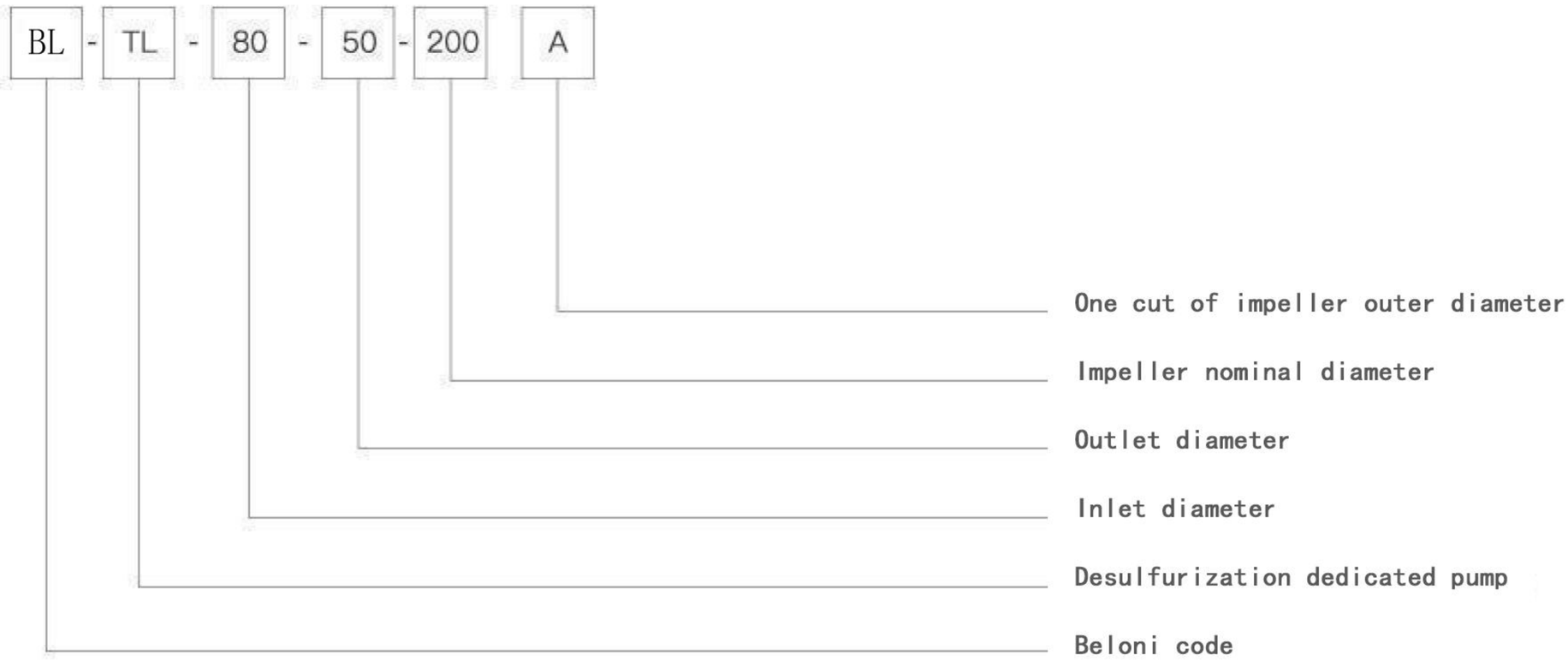
Desulfurization pump

Overview

The BLTL series desulfurization pump is a single stage single suction clamp combined centrifugal pump developed by our company through the introduction and digestion of advanced foreign technology, combined with actual domestic needs. It is an ideal specialized equipment for power plants or various enterprises to meet environmental standards for flue gas desulfurization.
All flow components of the desulfurization pump are made of high-strength, wear-resistant, and corrosion-resistant non-metallic materials (mainly ultra-high molecular weight polyethylene), which are molded at high temperature and pressure in one go. The outer shell is made of high-quality A3 steel with compression resistance and impact resistance through investment casting. The mechanical seal is refined from special grade pressureless sintered silicon carbide with the best wear and corrosion resistance performance. The entire sealing box structure is designed uniquely, scientifically and reasonably, Similar products are unparalleled, with good sealing effect. The service life is generally 3-5 times that of similar products.
This pump is widely suitable for conveying high chloride ion content media with a temperature below 80C and a solid content (not limited to hard and soft particles) of no more than 35%. Especially suitable for desulfurization and denitrification projects using ammonia and double alkali processes.

Model Meaning

example: BL-TL-80-50-200A



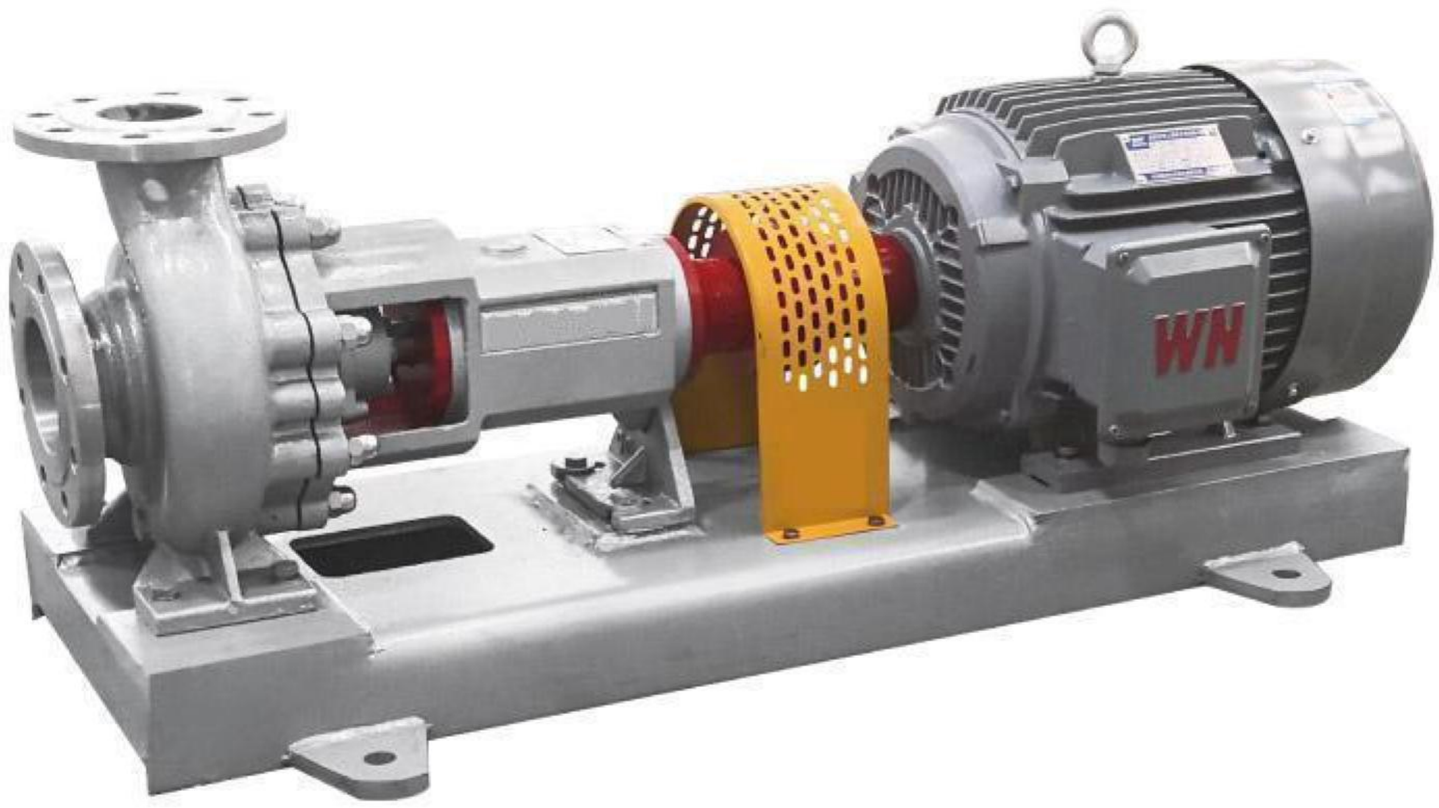
Performance parameter table

model	flow	lift	Motor power	efficiency	speed	flow	lift	Motor power	efficiency	speed
	m^3/h	m	kW	%	r/min	m^3/h	m	kW	%	r/min
BLTL32-25-160	3.2	32	3	39	2950	1.6	8	1.1	35	1450
BLTL40-32-125	6.3	20	2.2	52	2950	3.2	5	0.75	46	1450
BLTL40-32-160	6.3	32	4	47	2950	3.2	8	1.1	42	1450
BLTL40-32-200	6.3	50	7.5	38	2950	3.2	12.5	1.5	38	1450
BLTL40-32-250	6.3	80	15	32	2950	3.2	20	2.2	35	1450
BLTL50-32-200	12.5	50	11	24	2950	6.3	12.5	1.5	18	1450
BLTL50-32-250	12.5	80	15	23	2950	6.3	20	2.2	20	1450
BLTL65-50-125	25	20	5.5	46	2950	12.5	5	0.75	40	1450
BLTL65-50-160	25	32	7.5	42	2950	12.5	8	1.5	36	1450
BLTL65-40-200	25	50	15	37	2950	12.5	12.5	2.2	31	1450
BLTL65-40-250	25	80	18.5	31	2950	12.5	20	4	27	1450
BLTL65-40-315	25	125	37	27	2950	12.5	32	7.5	25	1450
BLTL80-65-125	50	20	7.5	57	2950	25	5	1.5	54	1450
BLTL80-65-160	50	32	11	51	2950	25	8	2.2	46	1450
BLTL80-50-200	50	50	18.5	47	2950	25	12.5	3	42	1450
BLTL80-50-250	50	80	37	42	2950	25	20	5.5	38	1450
BLTL80-50-315						25	32	11	30	1450
BLTL80-50-400						25	50	15	24	1450
BLTL100-80-125	100	20	15	61	2950	50	5	2.2	57	1450
BLTL100-80-160	100	32	18.5	57	2950	50	8	4	53	1450

Performance parameter table

model	flow	lift	Motor power	efficiency	speed	flow	lift	Motor power	efficiency	speed
	m^3/h	m	kW	%	r/min	m^3/h	m	kW	%	r/min
BLTL100-65-200	100	50	30	56	2950	50	12.5	5.5	52	1450
BLTL100-65-250	100	80	55	54	2950	50	20	7.5	49	1450
BLTL100-65-315						50	32	15	43	1450
BLTL100-65-400						50	50	30	29	1450
BLTL125-100-200	200	50	55	61	2950	100	12.5	11	57	1450
BLTL125-100-250	200	80	90	59	2950	100	20	15	56	1450
BLTL125-100-315						100	32	22	52	1450
BLTL125-100-400						100	50	37	49	1450
BLTL150-125-250						200	20	22	61	1450
BLTL150-125-315						200	32	37	59	1450
BLTL150-125-400						200	50	55	57	1450
BLTL200-150-250						400	20	45	65	1450
BLTL200-150-315						400	32	75	63	1450
BLTL200-150-400						400	50	110	62	1450
BLTL200-150-450						400	60	132	58	1450
BLTL250-200-400						600	40	132	85	1450
BLTL300-250-400						1200	40	280	85	1450

IH type Chemical pump



Overview

The IH type single stage single suction cantilever chemical centrifugal pump is an energy-saving and upgraded product that replaces the F type corrosion-resistant centrifugal pump. This product is widely used in industrial sectors such as chemical, petroleum, metallurgy, papermaking, food, pharmaceuticals, synthetic fibers, etc. It is used to transport corrosive liquids with viscosity similar to water.

The temperature of the medium conveyed by IH chemical pumps is generally between -20C and 105C. If necessary, appropriate cooling measures can be taken to transport higher temperature liquids.

Performance parameter range

流量Q
1.6-400m³/h

扬程H
5-125m

设计压力
Working pressure
1.6MPa

Model Meaning

example: IH50-32-160A-304

IH 50 - 32 - 160 A - 304

- IH: International Standard Chemical Pump
- 50: The diameter of the pump suction port is 50mm
- 32: The diameter of the pump outlet is 32mm
- 160: The nominal diameter of the impeller is 160mm
- A: Impeller outer diameter cutting code
- 304: Material of pump parts in contact with liquid For ZGOCr18Ni9Ti

Performance parameter table

Rated speed of pump n=2950r/min						Rated speed of pump n=1450r/min				
Pump model	flow	lift	Motor power	efficiency	Required steam turbidity margin	flow	lift	Motor power	efficiency	Required steam turbidity margin
	m^3/h	m	kW	%	m	m^3/h	m	kW	%	m
IH25-25-125	3.2	20	1.1	35	5.0	1.6	5	0.55	30	2.5
IH25-25-160	3.2	32	2.2	30	3.5	1.6	8	0.55	25	1.8
IH25-25-200	3.2	50	4	27	4.0	1.6	12.5	0.75	22	2.0
IH25-25-250	3.2	80	5.5	17	4.5	1.6	20	1.5	13	2.2
IH40-32-125	6.3	20	2.2	52	4.0	3.2	5	0.55	47	2.0
IH40-32-160	6.3	32	3	36	3.5	3.2	8	0.75	31	1.8
IH40-32-200	6.3	50	5.5	34	3.5	3.2	12.5	0.75	29	1.8
IH40-32-250	6.3	80	7.5	26	4.5	3.2	20	1.5	21	2.2
IH50-32-125	12.5	20	3	51	2.0	6.3	5	0.55	45	1.0
IH50-32-160	12.5	32	4	46	2.0	6.3	8	0.75	40	1.0
IH50-32-200	12.5	50	7.5	39	2.0	6.3	12.5	1.1	33	1.0
IH50-32-250	12.5	80	15	33	2.0	6.3	20	2.2	27	1.0
IH65-50-125	25	20	3	62	2.0	12.5	5	0.55	55	1.2
IH65-50-160	25	32	5.5	57	2.0	12.5	8	1.1	51	1.2
IH65-40-200	25	50	11	52	2.0	12.5	12.5	1.5	46	1.2
IH65-40-250	25	80	18.5	46	2.0	12.5	20	3	39	1.2
IH65-40-315	25	125	30	39	2.0	12.5	32	5.5	33	1.2
IH80-65-125	50	20	5.5	69	3.0	25	5	1.1	64	1.4
IH80-65-160	50	32	11	67	2.3	25	8	1.5	62	1.4
IH80-50-200	50	50	15	63	2.5	25	12.5	2.2	57	1.4
IH80-50-250	50	80	30	57	2.0	25	20	4	53	1.4
IH80-50-315	50	125	45	48	2.5	25	32	7.5	43	1.4
IH100-80-125	100	20	11	77	4.5	50	5	1.5	74	1.7
IH100-80-160	100	32	15	73	4.3	50	8	3	69	1.7
IH100-65-200	100	50	30	72	3.9	50	12.5	4	68	1.7
IH100-65-250	100	80	55	68	3.6	50	20	5.5	65	1.7
IH100-65-315	100	125	75	62	3.2	50	32	11	58	1.7
IH125-100-200	200	50	45	77	4.5	100	12.5	7.5	73	2.9
IH125-100-250	200	80	75	75	4.5	100	20	11	72	2.3
IH125-100-315						100	32	18.5	68	2.5
IH125-100-400						100	50	30	60	2.5
IH150-125-250						200	20	18.5	77	2.8
IH150-125-315						200	32	30	75	2.8
IH150-125-400						200	50	45	70	2.5
IH200-150-250						400	20	37	81	2.8
IH200-150-315						400	32	55	79	3.5
IH200-150-400						400	50	90	78	3.5

IHG type pipeline pump

Overview

The IHG (ISG) series single stage single suction pipeline centrifugal pump is a combination of our company's technical personnel and domestic water pump experts who have selected excellent hydraulic models in China. It adopts the performance parameters of the IS type centrifugal pump and is cleverly designed on the basis of ordinary vertical pumps. At the same time, based on different operating temperatures, media, etc., the IG type is derived from suitable hot water, corrosion resistant, and water circulation pipeline pumps (IRG, IHG, ISG, etc.). This series of products has the characteristics of high efficiency, energy conservation, low noise, and reliable performance. And explosion-proof motors can be equipped according to user needs, and the products are designed and manufactured according to the ISO2858 standard.

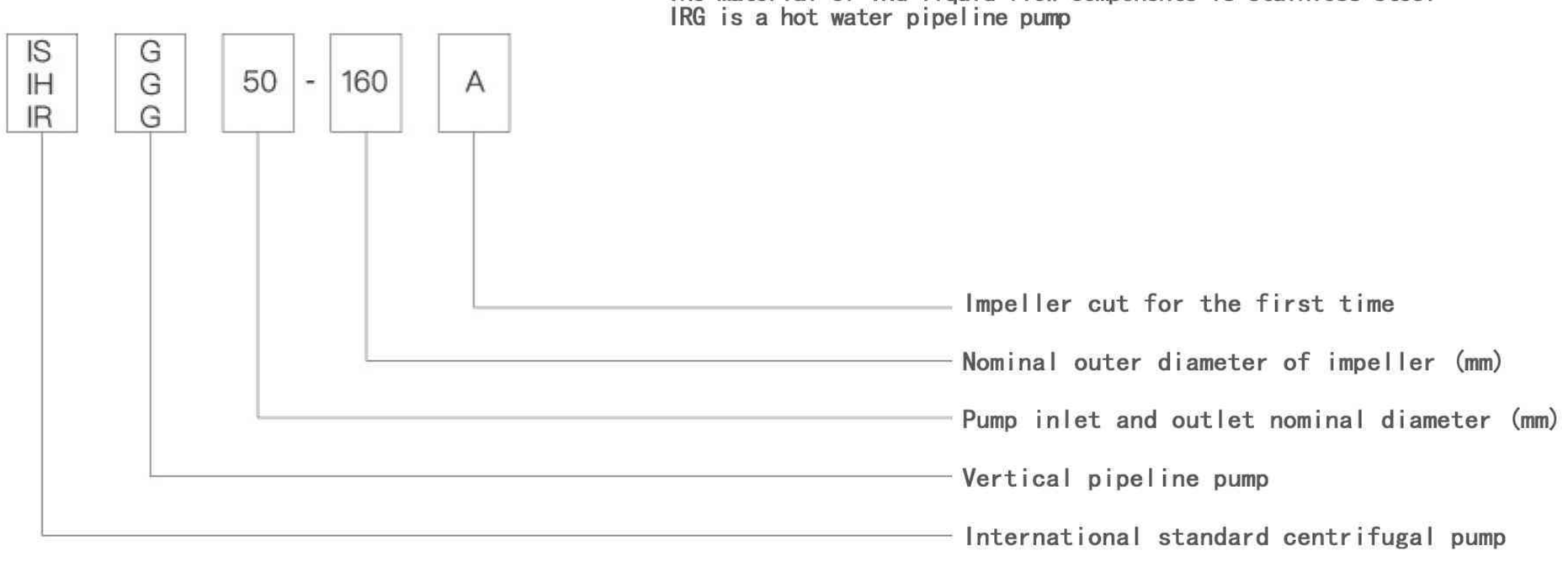
Overview

1. The pump is a vertical structure with the same inlet and outlet diameters and is located on the same centerline. It can be installed in the pipeline like a valve, with a compact and beautiful appearance, small footprint, and low installation investment. If the motor is equipped with a protective cover, it can be placed outdoors for use.
2. The shaft seal adopts mechanical seal. Sealing surface material: The static ring is made of integral alloy or silicon carbide, and the dynamic ring is made of graphite, with a service life of generally more than one year.
3. Easy installation and maintenance, without the need to dismantle the pipeline system, all rotor components can be extracted by removing the pump bracket nuts.
4. The series and parallel operation of pumps can be adopted according to the usage requirements, such as flow rate and head.
5. The pump can be installed vertically or horizontally according to the requirements of pipeline layout.

Model Meaning

example: IHG(ISG、IRG) 50-160 A

The material of ISG liquid flow components is cast iron or carbon steel
The material of IHG liquid flow components is stainless steel
IRG is a hot water pipeline pump



Performance parameter table

Pump model	flow	lift	Motor power	Rated speed	efficiency	Required NPSH
	m^3/h	m	kW	r/min	%	m
IHG(ISG)25–125	3	20	1.5		36	2
IHG(ISG)25–160	3	32	2.2		32	2
IHG(ISG)40–125	6.3	20	2.2		46	2
IHG(ISG)40–160	6.3	32	3		40	2
IHG(ISG)40–200	6.3	50	5.5		33	2
IHG(ISG)40–250	6.3	80	11		27	2
IHG(ISG)50–125	12.5	20	2.2		60	2
IHG(ISG)50–160	12.5	32	4		54	2
IHG(ISG)50–200	12.5	50	7.5		48	2
IHG(ISG)50–250	12.5	80	15		44	2
IHG(ISG)65–125	25	20	4		69	2
IHG(ISG)65–160	25	32	5.5		65	2
IHG(ISG) 65–200	25	50	11		60	2
IHG(ISG)65–250	25	80	18.5		50	2
IHG(ISG)65–315	25	125	30	2950	40	2.5
IHG(ISG)80–125	50	20	5.5		75	3.2
IHG(ISG)80–160	50	32	11		73	3
IHG(ISG)80–200	50	50	15		69	3
IHG(ISG)80–250	50	80	30		63	3
IHG(ISG)80–315	50	125	55		60	3
IHG(ISG)100–125	100	20	11		76	4.5
IHG(ISG)100–160	100	32	18.5		75	4.2
IHG(ISG)100–200	100	50	30		74	4.2
IHG(ISG)100–250	100	80	45		72	4
IHG(ISG)100–315	100	125	75		65	4
IHG(ISG)125–125	160	20	30		76	4
IHG(ISG)125–160	160	32	30		75	4
IHG(ISG)125–200	200	50	55		77	4
IHG(ISG)125–250	200	80	90		75	5
IHG(ISG)125–315	100	32	22		62	5
IHG(ISG)125–400	100	50	37		62	5
IHG(ISG)150–250	200	20	22		81	4.5
IHG(ISG)150–315	200	32	37		79	4.5
IHG(ISG)150–400	200	50	55		75	4.5
IHG(ISG)200–250	400	20	45	1450	83	4.5
IHG(ISG)200–315	400	32	75		82	4.5
IHG(ISG)200–400	400	50	90		81	4.5
IHG(ISG)250–250	550	20	75		82	5
IHG(ISG)250–315	550	32	90		80	5.5
IHG(ISG)300–250	720	20	90		83	6
IHG(ISG)300–315	720	32	110		82	6

IHW type
Chemical pump

Overview

The IHW (ISW) single stage single suction cantilever chemical centrifugal pump is an energy-saving and upgraded product that replaces the F-type corrosion-resistant centrifugal pump. This product is widely used in industrial sectors such as chemical, petroleum, metallurgy, papermaking, food, pharmaceuticals, synthetic fibers, etc. It is used to transport corrosive liquids with viscosity similar to water. The temperature of the medium conveyed by IHW (ISW) chemical pumps is generally -20C~105C. If necessary, appropriate cooling measures can be taken to transport liquids at higher temperatures.

Performance range (design point)

Flow
1.6-400m³/h

Lift
5-125m

Design pressure
1.6MPa

Model Meaning

example: IHW 50-32-160A-304

IH W 50 - 32 - 160 A - 304

- 304 — The material of the liquid contact parts of the pump is ZGOCr18Ni9Ti
- A — Impeller outer diameter cutting code
- 160 — The nominal diameter of the impeller is 160mm
- 32 — The diameter of the pump outlet is DN32 (mm)
- 50 — The diameter of the pump suction port is DN50 (mm)
- W — Direct connected
- IH — International Standard Chemical Pump

Performance parameter table

Rated speed of pump n=2950r/min						Rated speed of pump n=1450r/min				
Pump model	flow	lift	Motor power	Efficiency	must have a NPSH	flow	lift	Motor power	Efficiency	must have a NPSH
	m^3/h	m	kW	%	m	m^3/h	m	kW	%	m
IHW(ISW)25-25-125	3.2	20	1.1	35	5.0					
IHW(ISW)25-25-160	3.2	32	2.2	30	3.5					
IHW(ISW)25-25-200	3.2	50	4	27	4.0					
IHW(ISW)25-25-250	3.2	80	5.5	17	4.5					
IHW(ISW)40-32-125	6.3	20	2.2	52	4.0					
IHW(ISW)40-32-160	6.3	32	3	36	3.5					
IHW(ISW)40-32-200	6.3	50	5.5	34	3.5					
IHW(ISW)40-32-250	6.3	80	7.5	26	4.5					
IHW(ISW)50-32-125	12.5	20	3	51	2.0	6.3	5	0.55	45	1.0
IHW(ISW)50-32-160	12.5	32	4	46	2.0	6.3	8	0.75	40	1.0
IHW(ISW)50-32-200	12.5	50	7.5	39	2.0	6.3	12.5	1.1	33	1.0
IHW(ISW)50-32-250	12.5	80	15	33	2.0	6.3	20	2.2	27	1.0
IHW(ISW)65-50-125	25	20	3	62	2.0	12.5	5	0.55	55	1.2
IHW(ISW)65-50-160	25	32	5.5	57	2.0	12.5	8	1.1	51	1.2
IHW(ISW)65-40-200	25	50	11	52	2.0	12.5	12.5	1.5	46	1.2
IHW(ISW)65-40-250	25	80	18.5	46	2.0	12.5	20	3	39	1.2
IHW(ISW)65-40-315	25	125	30	39	2.0	12.5	32	5.5	33	1.2
IHW(ISW)80-65-125	50	20	5.5	69	3.0	25	5	1.1	64	1.4
IHW(ISW)80-65-160	50	32	11	67	2.3	25	8	1.5	62	1.4
IHW(ISW)80-50-200	50	50	15	63	2.5	25	12.5	2.2	57	1.4
IHW(ISW)80-50-250	50	80	30	57	2.0	25	20	4	53	1.4
IHW(ISW)80-50-315	50	125	45	48	2.5	25	32	7.5	43	1.4
IHW(ISW)100-80-125	100	20	11	77	4.5	50	5	1.5	74	1.7
IHW(ISW)100-80-160	100	32	15	73	4.3	50	8	3	69	1.7
IHW(ISW)100-65-200	100	50	30	72	3.9	50	12.5	4	68	1.7
IHW(ISW)100-65-250	100	80	55	68	3.6	50	20	5.5	65	1.7
IHW(ISW)100-65-315	100	125	75	62	3.2	50	32	11	58	1.7
IHW(ISW)125-100-200	200	50	45	77	4.5	100	12.5	7.5	73	2.9
IHW(ISW)125-100-250	200	80	75	75	4.5	100	20	11	72	2.3
IHW(ISW)125-100-315						100	32	18.5	68	2.5
IHW(ISW)125-100-400						100	50	30	60	2.5
IHW(ISW)150-125-250						200	20	18.5	77	2.8
IHW(ISW)150-125-315						200	32	30	75	2.8
IHW(ISW)150-125-400						200	50	45	70	2.5
IHW(ISW)200-150-250						400	20	37	81	2.8
IHW(ISW)200-150-315						400	32	55	79	3.5
IHW(ISW)200-150-400						400	50	90	78	3.5

IS type centrifugal pump

Overview

The IS type axial suction single stage centrifugal pump is suitable for industrial and urban water supply and drainage as well as agricultural irrigation. It delivers clean water with a temperature not exceeding 80C or other liquids with physical and chemical properties similar to clean water.

Performance range (design point)

Flow
1.6–400m³/h

Lift
5–125m

Design pressure
1.6MPa

Model Meaning

example: IS 80–50–200 A

IS 80 - 50 - 200 A

- A — Impeller outer diameter cutting code
- 200 — The nominal diameter of the impeller is 160mm
- 50 — The diameter of the pump outlet is DN32 (mm)
- 80 — The diameter of the pump suction port is DN50 (mm)
- IS — Standard single stage centrifugal pump

Performance parameter table

Rated speed of pump n=2950r/min						Rated speed of pumpn=1450r/min				
Pump model	flow	lift	Motor power	Efficiency	must have a NPSH	flow	lift	Motor power	Efficiency	must have a NPSH
	m^3/h	m	kW	%	m	m^3/h	m	kW	%	m
IS50-32-125	12.5	20	2.2	61	2.0	6.3	5	0.55	54	1.0
IS50-32-160	12.5	32	3	54	2.0	6.3	8	0.75	48	1.0
IS50-32-200	12.5	50	5.5	48	2.0	6.3	12.5	0.75	42	1.0
IS50-32-250	12.5	80	11	38	2.0	6.3	20	1.5	32	1.0
IS65-50-125	25	20	3	69	2.0	12.5	5	0.55	64	1.2
IS65-50-160	25	32	5.5	65	2.0	12.5	8	0.75	60	1.2
IS65-40-200	25	50	7.5	60	2.0	12.5	12.5	1.1	55	1.2
IS65-40-250	25	80	15	50	2.0	12.5	20	2.2	46	1.2
IS65-40-315	25	125	30	40	2.0	12.5	32	4	37	1.2
IS80-65-125	50	20	5.5	75	3.0	25	5	0.75	71	1.4
IS80-65-160	50	32	7.5	73	2.3	25	8	1.5	69	1.4
IS80-50-200	50	50	15	69	2.5	25	12.5	2.2	65	1.4
IS80-50-250	50	80	22	63	2.0	25	20	3	60	1.4
IS80-50-315	50	125	37	54	2.5	25	32	5.5	52	1.4
IS100-80-125	100	20	11	78	4.5	50	5	1.5	75	1.7
IS100-80-160	100	32	15	78	4.3	50	8	2.2	75	1.7
IS100-65-200	100	50	22	76	3.9	50	12.5	4	75	1.7
IS100-65-250	100	80	37	72	3.6	50	20	5.5	68	1.7
IS100-65-315	100	125	75	66	3.2	50	32	11	63	1.7
IS125-100-200	200	50	45	81	4.5	100	12.5	7.5	76	2.9
IS125-100-250	200	80	75	78	4.5	100	20	11	76	2.3
IS125-100-315						100	32	15	73	2.5
IS125-100-400						100	50	30	65	2.5
IS150-125-250						200	20	18.5	81	2.8
IS150-125-315						200	32	30	79	2.8
IS150-125-400						200	50	45	73	2.5
IS200-150-250						400	20	37	82	2.8
IS200-150-315						400	32	55	82	3.5
IS200-150-400						400	50	90	81	3.8

MATERIAL TABLE

Serial number	Grade	Common reference brand	application
1	HT200	C.I.	80℃Clear water below
2	QT500	QT	Clean water pump casing≤
3	ZG230-450	ZG25	Clear water, oil
4	42CrMo	4140	Pump shaft
5	12Cr13	410	Food and oil products
6	20Cr13	420	Pump shaft
7	06Cr19Ni10	304	Alkali solution, acidic water
8	022Cr19Ni10	304L	Alkali solution, acidic water
9	06Cr25Ni20	310S	caustic soda
10	06Cr17Ni12Mo2Ti	316Ti	Dilute sulfuric acid, phosphoric acid, organic acid, etc
11	022Cr17Ni12Mo2	316L	Dilute nitric acid, phosphoric acid, organic acid, etc
12	06 Cr18Ni11Ti	321	Alkali solution, acidic water, organic acid
13	015Cr21Ni26SiMo5Cu2	904L	Various concentrations of sulfuric acid below 70 ℃
14	00Ni65Cu28	Monel	Hydrofluoric acid, silicofluoric acid, high-temperature caustic soda
15	TA2	Ti	Soda mother liquor, seawater
16	00Cr14Ni14Si4	C4	Nitric acid, especially concentrated nitric acid
17	0Cr26Ni5Mo2Cu3	CD4MCu	Containing solid dilute sulfuric acid and phosphoric acid, wear-resistant and corrosion-resistant
18	F30%CrMo	Cr30	Phosphoric acid extraction slurry, corrosion-resistant and wear-resistant
19	022Cr22Ni5Mo3N	2205	Seawater, desulfurization slurry
20	022Cr25Ni7Mo4N	2507	Seawater, medium with high chlorideion content, desulfurization slurry
21	00Ni65Mo28Fe5V	Hastelloy B	Full concentration hydrochloric acid
22	0Cr21Ni32Mo2Cu3	20# Alloy	High temperature sulfuric acid with a temperature ≤ 130 ℃ and a concentration of 40%
23	Polytetrafluoroethylene	PTFE	Acid and alkali resistant, high temperature resistant, and resistant to various organic solvents
24	Polyfluoroethylene propylene	F46	Various acids, bases, salts, oxidizing media, solvents
25	Ultra high molecular weight polyethylene	UHMWPE	Acids, alkalis, and salts containing solid suspended solids below 80 ℃

Non clogging vortex pump

Overview

The XLB pump is the latest patented product independently researched and developed by our company. The utility model patent number is 212021231643050. The impeller of the pump retracts in the pump chamber behind the pressure water chamber. When the impeller rotates, a through flow and a circulating flow are formed in the vaneless chamber in front of the impeller. The through flow enters the pump chamber through the flow passage between the impeller blades and flows out, while the circulating flow circulates in the vaneless chamber. Due to the low-pressure area in the middle of the circulating flow, solid particles fall into this area and flow out under the driving force of swirling flow. Therefore, most solid substances can directly flow out of the bladeless chamber without passing through the impeller. Due to the use of a complete swirling manifold, the gap between the impeller and the pump casing is the same as the discharge diameter. Therefore, this pump has excellent non blocking performance for materials such as pulp, sludge, and fibers. The pump has high efficiency, low vibration, smooth operation, and good anti cavitation performance. It can transport slurry, sludge, entanglement, and high concentration gas containing slurry, and the maximum particles contained in the liquid shall not be greater than the diameter of the discharge. The medium temperature is between 15 ℃ and 150 ℃, and the maximum operating pressure is 16MPa.

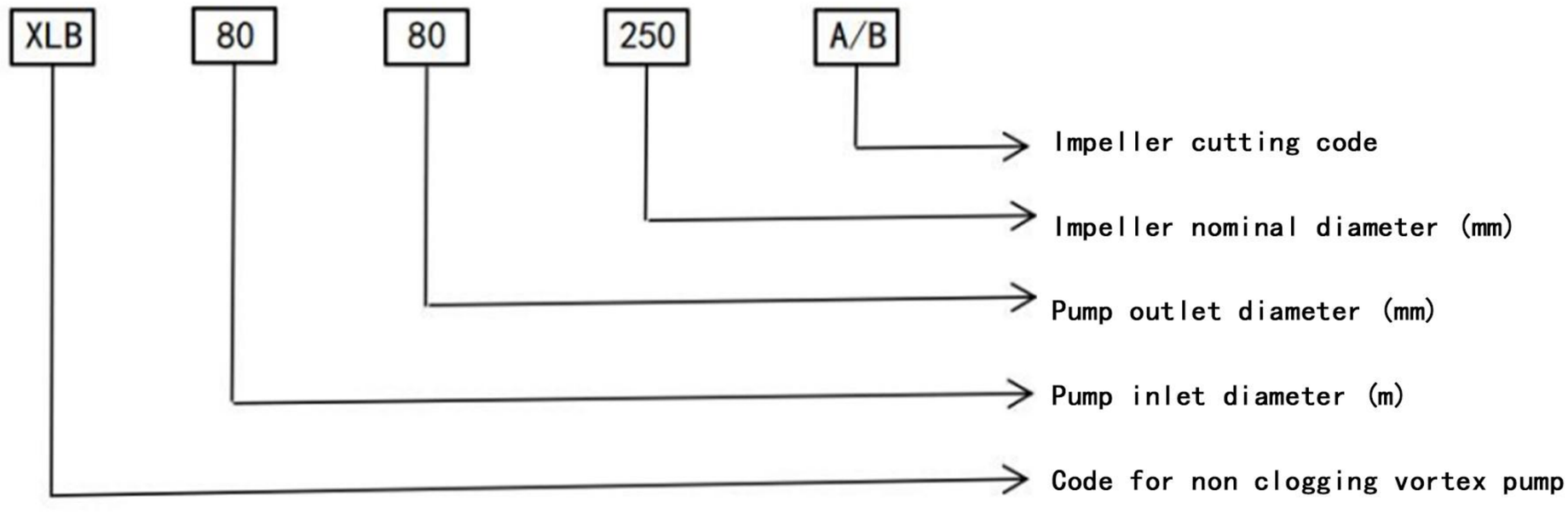
Application scope

Metallurgical beneficiation: acid washing process beneficiation
Automotive industry: coating paints, emulsions, grinding cutting fluids and corundum slurry, emulsifiable oils and fine iron filings, coating sludge, solvent/water-soluble primers, coagulated sludge, phosphate sludge.
Food: Beets, beet roots, leaves, and water plants; 95C lime milk, fish meal, starch, lime (milk) residue from sedimentation tank, diatomaceous earth, and unscreened sugar juice.
Environmental protection: Kitchen waste, livestock manure.
Construction industry: Aerated concrete slurry, water solutions such as sand, gravel, stone and marble dust, phenolic oil solution, textile
industry: natural and artificial fibers, coarse textile dyes, fiber wastewater, wool washing.
Mining industry: sand, gravel, landslides, cleaning of lakes and ports.
Fiber industry: fiber cement slurry, asbestos, leather fiber, glass fiber, textile fiber, nitrocellulose.
Power station: dust, dust net mud

Chemical industry: crystal suspended solids, fiber slurries, latex, polystyrene aqueous solution, 50% soda solution, hot brine, laundry detergent slurry, zinc ore slurry, suspension coatings, bicarbonate slurry, catalytic sludge, etc
Iron and steel industry: scale, slurry, coke and coal water mixture, suspended borax.
Shipbuilding industry: sewage pumps, cabin drainage pumps, fish waste petrochemical industry: sewage, catalytic slurry, oil containing petroleum carbonate, drilling sludge, raw material coke tar.
Paper industry: Uncleaned waste paper, straw pulp, rag pulp, hot ground pulp, 80% porcelain, sugarcane bagasse, and tailings pulper residue.
Wastewater treatment: unfiltered wastewater, untreated sludge, treated sludge, grid channel pumps, slaughterhouse wastewater, all municipal and industrial wastewater, granular activated carbon.

Model Meaning

Example: XLB 80-80-250 A/B



Metering pump

Overview

Metering pumps are also known as quantitative pumps or proportional pumps. A metering pump is a special volumetric pump that can meet various strict process requirements, with a flow rate that can be steplessly adjusted within the range of 0-100%, and is used to transport liquids (especially corrosive liquids).
A metering pump is a type of fluid conveying machinery, characterized by its ability to maintain a constant flow rate independent of discharge pressure. The use of a metering pump can simultaneously complete the functions of conveying, metering, and regulation, thereby simplifying the production process. By using multiple metering pumps, several media can be accurately proportioned into the process flow for mixing.

Application scope

Due to its outstanding advantages, metering pumps have been widely used in various industrial fields such as petrochemical, pharmaceutical, and food.

Slurry Pump

Overview

GLZ and GLYZ (ZM) slurry pumps are a single stage, single suction cantilever horizontal centrifugal pump designed to absorb the advantages of similar products both domestically and internationally. The pump is easy to install, disassemble, and maintain.
Pump head: The GLZ and GLYZ (ZM) slurry pumps have a dual pump casing structure, which includes the front and rear pump casings and front guard plates. Rear guard. Composed of sheath and shaft sleeve. The overflow part is made of JM3, and the front and rear pump casings are made of gray cast iron or ductile iron. The outlet position of the pump can be installed and used by rotating eight different angles at intervals of 45 ℃ according to needs, and can be installed according to user requirements. The front and rear cover plates of the impeller have back blades to reduce leakage and improve pump life and efficiency.
Shaft seal: There are two types of shaft seals, the auxiliary impeller shaft seal and the packing shaft seal. The auxiliary impeller shaft seal has the advantages of not diluting slurry, long sealing service life, and good sealing effect. The packing seal structure is simple and easy to maintain.
Transmission is divided into: GLZ and GLYZ (ZM) slurry pumps can be directly driven. The bearing seat and bearing body components have high structural strength, large pump shaft diameter, good rigidity, short cantilever, and will not bend or vibrate under harsh working conditions. The bearing adopts heavy-duty single row tapered roller bearings. Capable of withstanding axial and radial loads of the pump. The bearings are lubricated with grease. There are bearing glands at both ends of the bearing body and sealing rings inside, which can effectively prevent the entry of mineral slurry and the leakage of lubricating grease. Ensure safe operation of bearings. According to user requirements, the bearing transmission part can be split and lubricated with thin oil to reduce shaft temperature.

CWB type magnetic vortex pump

Overview

The CWB magnetic vortex pump adopts a magnetic transmission structure with no shaft seal, ensuring that the pump delivers liquid without any leakage. Through the use of multiple customers, it has been proven that this pump not only has the characteristics of small flow and high head of the vortex pump, but also has the advantage of no leakage in the magnetic pump.

It can transport flammable, explosive, toxic and other dangerous liquids, precious liquids, etc. Many users have responded by using Huier magnetic vortex pumps, solving the difficulties they had previously encountered with shielded pumps under high head and low flow conditions. Moreover, it is equipped with low power, energy saving, simple and convenient operation and maintenance, small footprint, low operation and maintenance costs, and can completely replace small flow screen pumps.

Performance Parameters

Pump Type	m^3/h Capacity (Q)	m Head (H)	r/min Speed (n)	KW Power (N)	% Efficiency (η)
CWB20–20–2	0.32	30	2900	1.1	11
	0.85	20		0.75	17
	1.1	15		0.75	21
CWB20–65–2	0.32	80	2900	3	6
	0.85	65		3	9
	1.5	50		2.2	14
CWB25–25–2	0.8	40	2900	1.1	16
	1.44	25		1.1	18
	1.8	18		0.75	16
CWB25–40–2	0.8	60	2900	1.5	13
	1.4	40		1.5	17
	1.8	32		1.1	20
CWB25–70–2	0.6	100	2900	4	9
	1.5	70		3	13
	2.2	50		3	17
CWB25–110–2	0.7	140	2900	5.5	8
	1.35	110		5.5	13
	1.8	85		4	16
CWB32–30–2	1.7	52	2900	2.2	19
	2.8	30		1.5	23
	3.6	20		1.5	20
CWB32–75–2	1.5	115	2900	5.5	12
	2.8	75		5.5	18
	3.6	53		4	18
CWB32–120–2	1	150	2900	7.5	10
	2	120		7.5	18
	2.8	80		5.5	26
CWB40–40–2	3.6	60	2900	5.5	16
	5.4	40		4	24
	6.5	25		3	24
CWB40–90–2	3	130	2900	11	15
	5.4	90		11	21
	7.5	60		7.5	22
CWB40–120–2	3.6	150	2900	15	16
	5.4	120		15	21
	7.5	90		11	28
CWB40–150–2	3.6	180	2900	18.5	18
	5	150		15	20
	6.2	120		15	24
CWB50–45–2	6	66	2900	7.5	20
	9	45		7.5	24
	10.8	28		5.5	22
CWB50–90–2	7	115	2900	18.5	16
	10	90		15	22
	15	50		11	30

WB type vortex pump

Overview

The WB vortex pump is small in size, high in pressure, highly miniaturized in equipment, stable in small flow area, free of pulsation and vibration, and can control the flow at will. It can transfer the liquid mixed with fine impurities, withstand the intermittent operation of water hammer, and operate under pressure with high strength. It is suitable for various solvents, gasoline, light oil, oily liquid, fuel, waste oil spray (environmental protection equipment), alkaline liquid, aquarium Transfer and circulation of hydrocarbon solvents and grinding liquid, spray, washing, etc. The temperature ranges from -20 ℃ to+250 ℃.

Performance Parameters

Pump Type	m^3/h Capacity (Q)	m Head (H)	r/min Speed (n)	KW Power (N)	% Efficiency (η)
WB20-20-2	0.32	30	2900	0.75	14
	0.85	20			22
	1.1	15			21
WB20-65-2	0.36	80	2900	2.2	7
	0.72	65			15
	1.5	50			16
WB25-25-2	0.8	40	2900	1.1	17
	1.44	25		0.75	25
	1.8	18			26
WB25-40-2	0.8	60	2900	1.5	9
	1.44	40		1.5	21.5
	1.8	32		1.1	22.5
WB25-70-2	0.8	110	2900	3	13
	1.44	72		2.2	22
	1.8	52		2.2	23
WB25-110-2	0.72	140	2900	4	10
	1.34	110		4	16
	1.8	85		3	19
WB32-30-2	1.73	52	2900	2.2	23
	2.88	30		1.5	31
	3.6	20		1.5	32
WB32-75-2	1.73	115	2900	5.5	23
	2.88	75		4	30
	3.6	53		3	30
WB32-120-2	1	150	2900	7.5	11
	1.8	120		5.5	20
	2.88	80		4	28
WB40-40-2	3.6	60	2900	4	22
	5.4	40		3	29
	6.48	26		3	34
WB40-90-2	3.6	132	2900	11	23
	5.4	90		7.5	31
	6.48	63		7.5	34
WB40-120-2	3.6	150	2900	11	18
	5.4	120		11	23
	6.48	90		11	29
WB40-150-2	3.6	190	2900	15	18.9
	5.4	150		15	25
	6.48	110		11	31
WB50-45-2	6.12	66	2900	5.5	19
	9	45		5.5	20
	10.8	28		5.5	16.5
WB50-90-2	7	115	2900	15	20
	10	90		11	29
	15	50		7.5	35

Chemical gas-liquid mixing pump

Overview

The chemical gas-liquid mixing pump has a wide range of applications, is corrosion-resistant with low cavitation (low NPSH) margin, and has stable performance without leakage. Widely used in various difficult and complex fluid conditions such as nuclear power plants, petroleum refining, chemical engineering, etc. Transporting cooling liquid, condensate, chemical high-pressure high and low temperature liquid, high-pressure liquefied gas, high melting point fluid, solvent, light oil, fuel oil, alkaline liquid, high-temperature hot water, etc. for nuclear power plants. Any gas-liquid mixture can also undergo various reactions.

Performance Parameters

Pump Type	m^3/h Capacity (Q)	m Head (H)	r/min Speed (n)	KW Power (N)	% Efficiency (η)
QYB20-20-2	0.32	30	2900	0.75	14
	0.85	20			22
	1.1	15			21
QYB20-65-2	0.36	80	2900	2.2	7
	0.72	65			15
	1.5	50			16
QYB25-25-2	0.8	40	2900	1.1	12
	1.44	25		0.75	14
	1.8	18			14
QYB25-40-2	0.8	60	2900	1.5	8
	1.44	40		1.5	15
	1.8	32		1.1	16
QYB25-70-2	0.8	110	2900	3	9
	1.44	72		2.2	14
	1.8	52		2.2	16
QYB25-110-2	0.72	140	2900	4	8
	1.34	110		4	13.5
	1.8	85		3	17
QYB32-30-2	1.73	52	2900	2.2	11.5
	2.88	30		1.5	13
	3.6	20		1.5	14.5
QYB32-75-2	1.73	115	2900	5.5	9.5
	2.88	75		4	13
	3.6	53		3	15
QYB32-120-2	1	150	2900	7.5	10.5
	1.8	120		5.5	20
	2.88	80		4	30
QYB40-40-2	3.6	60	2900	4	22
	5.4	40		3	30.5
	6.48	26		3	35
QYB40-90-2	3.6	132	2900	11	17
	5.4	90		7.5	25
	6.48	63		7.5	31
QYB40-120-2	3.6	150	2900	11	18
	5.4	120		11	23
	6.48	90		11	29
QYB40-150-2	3.6	190	2900	15	16
	5.4	150		15	21
	6.48	110		11	28
QYB50-45-2	6.12	66	2900	5.5	32
	9	45		5.5	36
	10.8	28		5.5	36
QYB50-90-2	7	115	2900	15	20
	10	90		15	29
	14.4	50		11	35
QYB65-130-2	10	160	2900	22	26
	12	130		18.5	30
	13	95		15	35
QYB50-40-2	7.5	200	2900	37	14.5
	12	150		30	22
	14.5	100		22	23.5
QYB65-40-2	30	120	2900	45	29
	28	160		55	28
QYB50-40-4	9	55	1450	7.5	24.3
	12	40		5.5	32
QYB65-40-4	16	90	1450	15	34
	20	70		15	40
	25	40		11	45
QYB80-40-4	33	75	1450	30	30
	43	50		22	35.5
	45	40		18.5	36

Horizontal split multi-stage pump

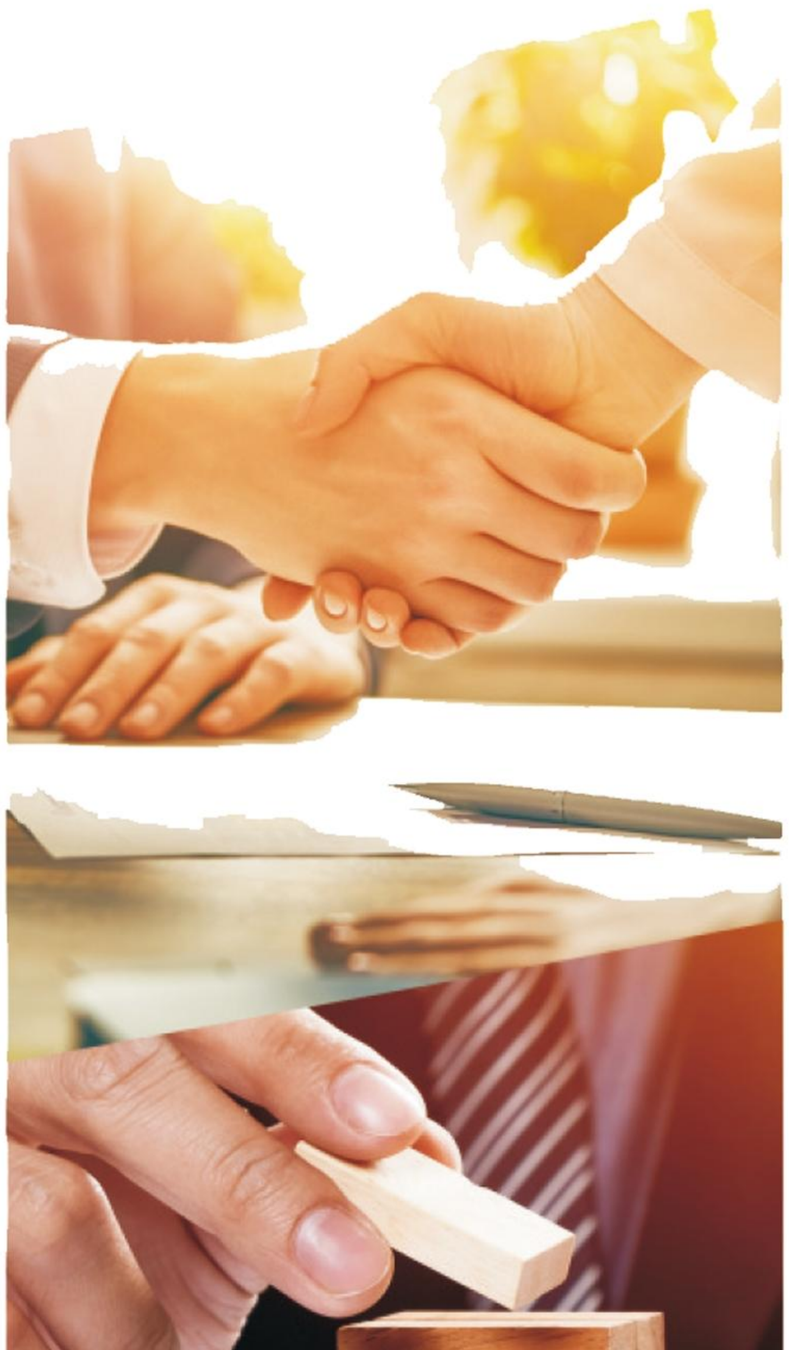
Overview

The JBC series pumps are designed according to the AP1610 10th edition "Centrifugal Pumps for the Petroleum, Heavy Chemical, and Natural Gas Industries" standard. The pump body is a volute shaped structure, supported by the centerline, and the impeller is arranged symmetrically. The axial force is automatically balanced, and there are no complex balance mechanisms such as balance discs and balance drums; The inlet and outlet are arranged below the shell, and can be disassembled and installed without moving the inlet and outlet pipelines.

Axially split pump

Overview

The JBA series pump is a single stage double suction centrifugal pump with a horizontal pump body and a horizontally split impeller, which meets the API610 standard for installation.



Customer first win-win cooperation