



创新 永远

振 我 国 邦

无泄漏泵专家 / 专注精细化工

Zero Leakage Pump Experts, Focus on Fine Chemical Industry.



磁力泵 MAGNETIC PUMP



隔膜泵 DIAPHRAGM PUMP



化工泵 CHEMICAL PUMP



管道泵 PIPELINE PUMP

浙江远邦流体科技有限公司

ZHEJIANG YUANBANG FLUID TECHNOLOGY CO.,LTD.

原(浙江永嘉工业泵厂)



简介 / About us

浙江远邦流体科技有限公司 创建于1989年，从事石油、化工和通用流体设备的开发、研制和销售，特别是在磁力传动无泄漏泵和耐腐蚀方面的研制有多年的历史。公司与日本寺田株式会社、韩国现代泵业和国内一流大学、科研院所开展技术合作，引进国内外先进技术和管理模式，产品始终立足于市场的不败之地。

本公司的产品有磁力传动无泄漏耐腐蚀泵、化工泵、通用泵、变频、水泵专用电气控制柜四大类，2000多种规格。

公司以“一切为了客户满意”为质量宗旨，以ISO9000:2000国际质量管理体系为企业的质管标准，不断开拓创新，制造出优质、高效、节能的国际先进产品，服务于人类社会。

YONBOR

FLUID TECHNOLOGY

Magnetic Pump • Diaphragm Pump
Chemical Pump • Pipeline Pump



Founded in 1989, Zhejiang Yuanbang Fluid Technology Co.,Ltd. is engaged in the development, research and sales of petroleum, chemical and universal fluid equipment. In particular, it has a history of many years in the development of magnetic transmission, zero-leakage pump and corrosion resistance. It carries out technical cooperation with Japan Sitian Corp., Korea Xiandai Pump Corp. and first-rate domestic universities and research institutes to introduce into the advanced technologies and management modes both at home and abroad so that its products have been always surviving in the market.

Its products include four major categories with more than 2,000 specifications: magnetic transmission zero-leakage anti-corrosive pump, chemical pump, universal pump, special electric control cabinet for VF and water pump.

Upholding the quality purpose of "all for customer satisfaction" and regarding ISO9000:2000 International Quality Management System as its quality control standard, it has never stopped pioneering and renovating to produce high quality, efficient and energy-saving products internationally advanced to serve the mankind.

品质源于专业

Quality From Specialty

除专门设立研发中心外，公司还斥巨资引进了高档加工设备及精密检测仪器，并采用国际尖端领域的高水平CAD设计开发、制造产品，从而保证了水泵的质量、品种、效率一直处于领先地位。

Besides setting up a special R&D center, Our company has also put huge investment in introducing of top-grade processing equipment and precision inspection instruments. In addition, we adopt the high-level CAD system in the international sophisticated field to design, develop and manufacture products so as to ensure the leading quality, variety and efficiency of water pump.



我们对每一个产品都进行严格的检测。检验员高度负责的用心融于每一个部件中，公司设有现代化的检验和试验中心，加上最先进的检测设备和严格的科学管理，使每一个生产的产品都经得住顾客的精心挑选。我们庄严承诺让每一个产品都达到出厂标准，这正是本公司产品得以畅销的秘诀所在。

Our company carries out the strict inspection for each and every product. The high sense of responsibility of our checkers is integrated into every part. We have set up a modern inspection and testing center which is provided with the most advanced inspection equipment and strict scientific management so that every finished product can withstand the careful selection of customers. We have made a solemn commitment that every product reaches the ex-factory standard. That is the secret why our company products are well-received.

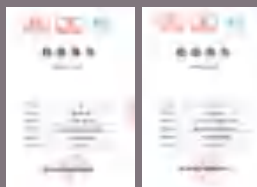
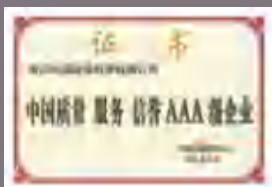
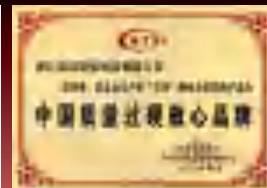
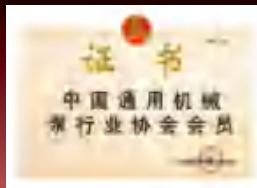
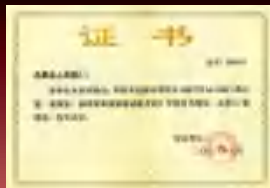


是荣誉，更是起点

It is a start rather than a glory.

荣誉是辛勤和汗水的见证，更是一种超越自我的动力。

Honour is witness of hardworking and sweat than a power of beyond self.



面对荣誉，我们选择从容；面对昨天的成绩，我们选择继承和超越；

面对新的挑战，我们选择开拓与创新。

We face our honors deliberately, we tend to succeed and surpass them facing the achievements yesterday, and we are eager to develop and innovate confronting with the new challenges.



YONBOR
FLUID TECHNOLOGY

Magnetic Pump • Diaphragm Pump
Chemical Pump • Pipeline Pump

概述 GENERAL

磁力泵系列产品是我公司根据国家标准《无轴封回转动力泵技术条件(Ⅱ类)》和 API685等标准而规范设计生产的, 并等同采用国际标准ISO2858《轴向吸入离心泵(16bar级)》其性能达到国外同类产品的先进水平。

磁力泵具有全密封、无泄漏、运行可靠、结构简单、维修方便等优点, 广泛应用于化工、石油、环保工程、制药等部门, 为输送剧毒、易燃、易爆、腐蚀性介质以及其它高纯度、贵重液体提供了最佳选择。

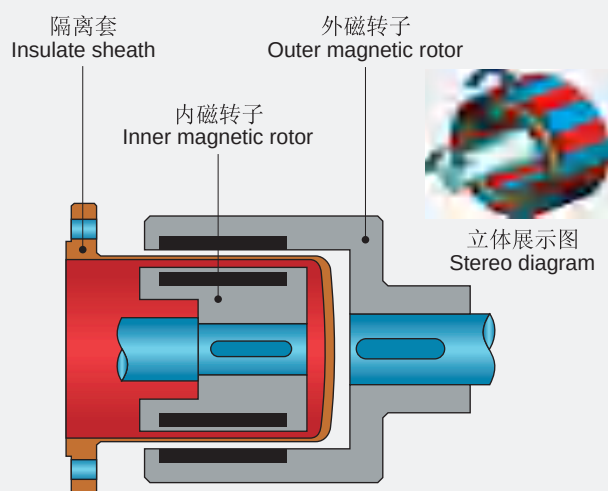
系统工作压力不大于1.6Mpa、粘度不大于100mm²/s(厘沲)不含铁杂质和硬固体颗粒的液体的输送。

Magnetic pumps are our products which according to the international standard "No shaft seal rotate power pump technical condition (II type)" and API685 etc. to design and produce. And it's performance can reach to the international standard of the same type of products, if it adopts to national standard ISO2858 "Axial inhale centrifugal pump(16bar grade)".

Magnetic pumps are omniseal, non-leakage, pollution-free, smooth operate, simple structure, and maintenance convenience etc, they can widely used in chemical, petroleum, food, environmental protection, pharmaceuticals, movie flush, medical and health and the occasion of perfect and strictly-requirement. They supply the best choice for transporting highly toxic, and inflammable, explosive, corrosive products and other high concentrate, and expensive liquide.

Work pressure≤1.6Mpa, viscosity≤100mm²/s(cst), the liquid shoule be not include the iron tramp or hard particle.

结构原理 PRINCIPAL



利用永磁联轴器的工作原理, 无接触传递力矩的新泵型。外磁钢和电动机相联为主动件, 内磁钢和叶轮联接为从动件, 当电机启动后, 通过磁力耦合驱动叶轮同步旋转, 从而达到在密封的状态下输送液体之目的。泵的结构以静密封取代动密封, 主、从动件之间装有静止隔离套, 被输送介质封闭在隔离套内, 因此彻底解决了机械密封一直解决不了的跑、冒、滴、漏之弊病。

New non-touch drive torque type which used permanent-magnet joint's working principal. External magnet and electric motor linked driving parts, inner magnet and impeller linked passive parts. After the motor starting-up, it can reach the purpose of delivering the liquid through magnetic coupling drives the impeller synchronous revolution. Their structure feature use the silent seal instead of transporting seal, between driving parts and the passive parts are stationary insulate sheath which can seal the delivering medium, thus thoroughly solves the running, dropping and the leaking ect.

特点 CHARACTER

- 1、采用国内最优秀水力模型, 降低电能消耗;
- 2、选用高磁性能的永磁材料, 确保足够的磁力矩;
- 3、低涡流隔离套设计, 泵的效率;
- 4、特殊设计的润滑冷却流道, 轴向力的自动平衡, 保证泵的安全运行;
- 5、滑动轴承选用特优材质并配以先进的流体动力润滑结构, 保证泵运转的可靠性和轴承的使用寿命;
- 6、配有断液和过载自动停车装置, 可有效防止磁力泵空转干磨和电机过载等。

1. Adopt the excellenct hydraulic model, save the electric energe;
2. Using the high magnetic permanent magnetism material, ensure the enough force moment;
3. The design of the distance sleeve will Lower eddy, increase the pump efficiency;
4. The sepecila design of lubricata cooling flow passage and automatic balance axial force ensure the pump safely running;
5. Sliding bearing adopt the good matrial and advanced dynamic flow sliding structure, protract the life of the bearing;
6. The pump have the protected device will stop running when overload or without liquid.



产品特点 PRODUCT FEATURES

CQ型泵具有结构简单、外型美观、体积小、噪音低、运转可靠、使用维修方便等优点。磁传动部分采用铁氧体为主要材料，过流部分采用不锈钢，是目前应用最广泛的无泄漏磁力传动离心泵。

CQ series pump, this pump is featured by simple structure, appealing profile, small volume, low noise, reliable running, easy operation and maintenance, and etc. its magnetism-driven part uses ferrite as main material, provided with competitive price, it is the most widely-used leak-tight pump at present.

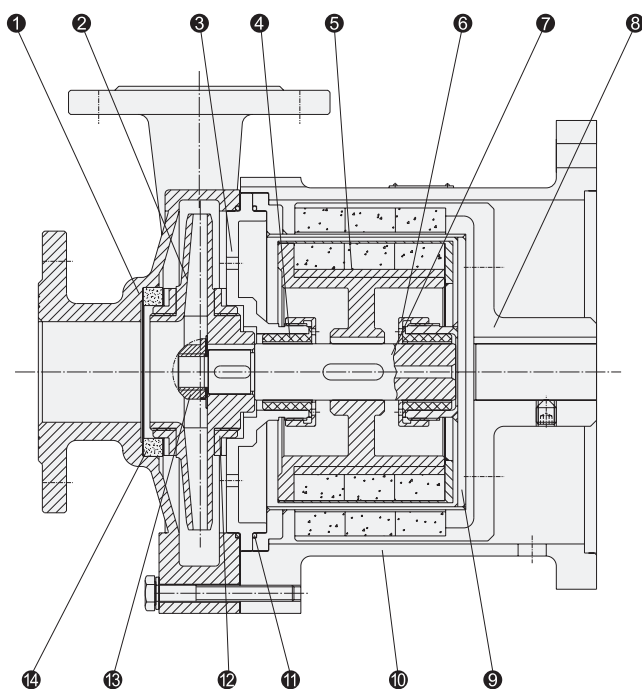
型号意义 MEANING OF THE MODEL



使用参数 OPERATION PARAMETER

- 口径: DN12~DN80mm
- 流量: 1.8~50m³/h
- 扬程: 8~35m
- 转速: 2900r/min
- 工作温度: ≤120℃
- 粘度: ≤100mm²/s
- 压力: ≤1.6MPa
- 电机功率: 0.18~11kW
- Caliber: DN10~DN80mm
- Capacity: 1.8~50m³/h
- Head: 8~35m
- Rotate speed: 2900r/min
- Work temperature: ≤120℃
- Viscosity: ≤100mm²/s
- Pressure: ≤1.6MPa
- Motor power: 0.18~11kW

结构示意图 SKETCH MAP OF STRUCTURE



- | | | |
|----|---------|----------------------|
| 1 | 泵 体 | Pump body |
| 2 | 叶 轮 | Impeller |
| 3 | 隔 板 | Dummy plate |
| 4 | 轴 承 | Bearing |
| 5 | 内转子总成 | Inner rotor assembly |
| 6 | 轴 承 压 盖 | Bearing cover |
| 7 | 泵 轴 | Shaft |
| 8 | 外转子总成 | Outer rotor assembly |
| 9 | 隔 离 套 | Insulate sheath |
| 10 | 联 接 架 | Connect frame |
| 11 | ○ 型 圈 | O ring |
| 12 | 动 环 | Rotor ring |
| 13 | 叶 轮 螺 母 | Impeller nut |
| 14 | 静 环 | Stator ring |

性能参数 PERFORMANCE PARAMETER

型号 Model	口径 Caliber (mm)		流量 Flow (m³/h)	扬程 Head (m)	汽蚀余量 (NPSH)r (m)	电机功率 Motor Power (kW)	转速 Rotary Speed (r/min)	电压 Voltage (V)
	进口 Inlet	出口 Outlet						
16CQ-8	16	12	1.8	8	6	0.18	2900	220/380
20CQ-12	20	12	3	12	6	0.37	2900	220/380
25CQ-15	25	20	5.4	15	6	1.1	2900	380
32CQ-15	32	25	6.6	15	6	1.1	2900	380
32CQ-25	32	25	4.8	25	5.5	1.1	2900	380
40CQ-20	40	32	10.8	20	4	2.2	2900	380
40CQ-32	40	32	12	32	4	4	2900	380
50CQ-25	50	40	14.4	25	4	4	2900	380
50CQ-40	50	40	13.2	40	4	4	2900	380
50CQ-50	50	32	7.8	50	4	5.5	2900	380
65CQ-25	65	50	16.8	25	4	5.5	2900	380
65CQ-35	65	50	27	35	4	7.5	2900	380
80CQ-20	80	65	50	20	4	7.5	2900	380
80CQ-35	80	65	50	35	4	11	2900	380



产品特点 PRODUCT FEATURES

CQF型产品以增强聚丙烯为主要材料，泵的过流零部件均为注塑成型，能耐大多数的有机和无机酸、碱和盐类溶液，也适于在室外大气中暴露，对应力腐蚀破裂的抗蚀性良好。

CQF product is mainly made of reinforced PP and all flow-through pump parts adopt injection mould with resistance to most organic and inorganic acid, alkali and salty solutions, applicable for being exposed outdoor with fine anticorrosive performance of stress corrosion cracking.

型号意义 MEANING OF THE MODEL

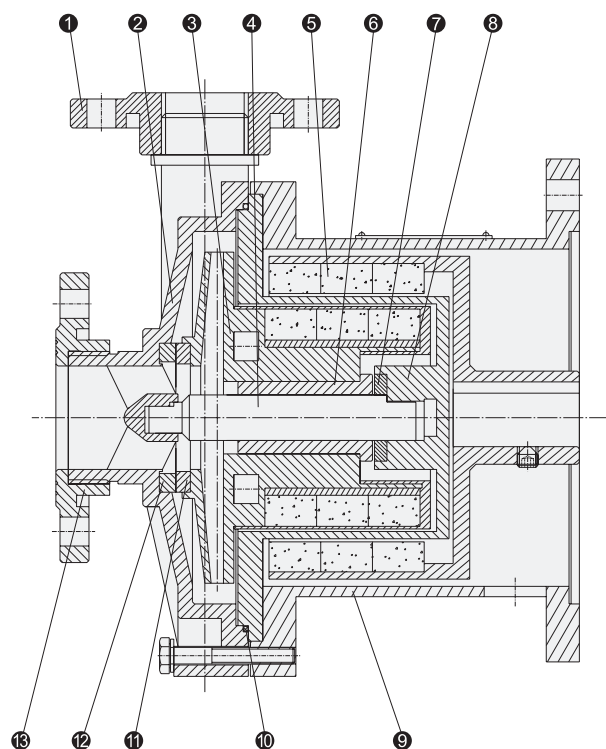


使用参数 OPERATION PARAMETER

- 口径: DN8~DN65mm
- 流量: 0.9~25m³/h
- 扬程: 3~32m
- 转速: 2900r/min
- 工作温度: ≤60℃
- 粘度: ≤100mm²/s
- 压力: ≤0.6MPa
- 电机功率: 0.025~7.5kW

- **Caliber:** DN8~DN65mm
- **Capacity:** 0.9~25m³/h
- **Head:** 3~32m
- **Rotate speed:** 2900r/min
- **Work temperature:** ≤60℃
- **Viscosity:** ≤100mm²/s
- **Pressure:** ≤0.6MPa
- **Motor power:** 0.025~7.5kW

结构示意图 SKETCH MAP OF STRUCTURE



- | | | |
|----|----------|---------------------------------|
| 1 | 出口法兰 | Outler flange |
| 2 | 泵壳 | Casing |
| 3 | 叶轮/内转子总成 | Impeller / Inner rotor assembly |
| 4 | 泵轴 | Shaft |
| 5 | 外转子总成 | Outer rotor assembly |
| 6 | 轴承 | Bearing |
| 7 | 止推环 | Thrust ring |
| 8 | 隔离套 | Insulate sheath |
| 9 | 联接架 | Connect frame |
| 10 | 密封圈 | Seal ring |
| 11 | 动环 | Rotor ring |
| 12 | 静环 | Stator ring |
| 13 | 进口法兰 | Inlet flange |

性能参数 PERFORMANCE PARAMETER

型号 Model	口径 Caliber (mm)		流量 Flow (m³/h)	扬程 Head (m)	汽蚀余量 (NPSH)r (m)	电机功率 Motor Power (kW)	转速 Rotary Speed (r/min)	电压 Voltage (V)
	进口 Inlet	出口 Outlet						
10CQF-3	10	8	0.9	3	7.8	0.025	2900	220
14CQF-5	14	10	1.2	5	7	0.12	2900	220/380
16CQF-8	16	10	1.8	8	6	0.18	2900	220/380
20CQF-12	20	15	3	12	6	0.37	2900	220/380
25CQF-15	25	20	5.4	15	5	1.1	2900	380
32CQF-15	32	25	6.6	15	6	1.1	2900	380
32CQF-25	32	25	4.8	25	5.5	1.1	2900	380
40CQF-20	40	32	10.8	20	3.5	2.2	2900	380
50CQF-25	50	40	12.5	25	3.5	3	2900	380
50CQF-32	50	40	12.5	32	3.5	4	2900	380
65CQF-32	65	50	25	32	3.5	7.5	2900	380



产品特点 PRODUCT FEATURES

自吸泵顾名思义，就是泵启动前只需在泵腔内注水，经短时间运转，靠泵本身的作用，把水吸上来，投入正常运转。ZCQ自吸式磁力泵不但具有自吸功能，而且为磁力驱动结构，具有全密封、耐腐蚀、无泄漏的特点，是自动化远距离控制和流动使用的理想泵。

Self priming pump is the pump before the start only in the pump cavity injection, after a short time of operation, the effect on pump itself, absorb water up, put into normal operation. ZCQ self-priming magnetic pump is not only provided with self-priming function, but also of magnetism-driven structure. Featured by full seal and leak-tightness, it is an optimal pump for automated distant control and for floating uses.

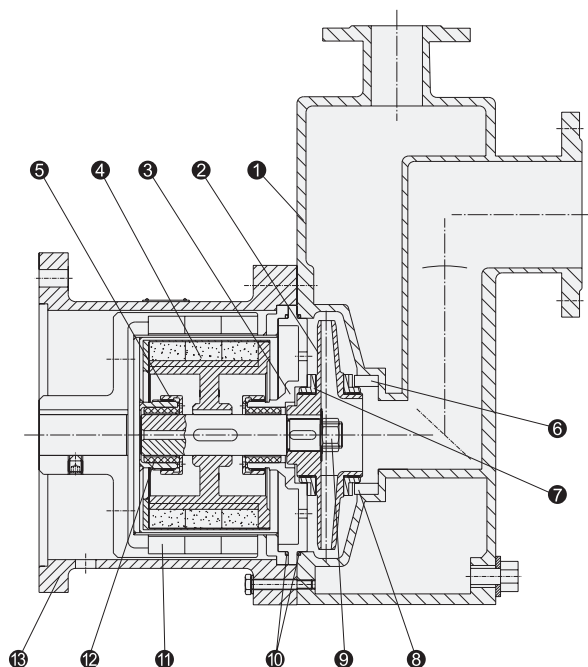
型号意义 MEANING OF THE MODEL



使用参数 OPERATION PARAMETER

- 口径: DN12~DN100mm
- 流量: 3~100m³/h
- 扬程: 12~50m
- 转速: 2900r/min
- 工作温度: ≤120℃
- 粘度: ≤100mm²/s
- 压力: ≤1.6MPa
- 电机功率: 0.37~30kW
- Caliber: DN12~DN100mm
- Capacity: 3~100m³/h
- Head: 12~50m
- Rotate speed: 2900r/min
- Work temperature: ≤120℃
- Viscosity: ≤100mm²/s
- Pressure: ≤1.6MPa
- Motor power: 0.37~30kW

结构示意图 SKETCH MAP OF STRUCTURE



1	泵壳	Casing
2	叶轮	Impeller
3	隔板	Dummy plate
4	内转子总成	Inner rotor assembly
5	轴承压盖	Bearing cover
6	静环	Stator ring
7	动环	Rotor ring
8	口环	Mouth ring
9	叶轮螺母	Impeller nut
10	O型圈	O ring
11	外转子总成	Outer rotor assembly
12	轴承	Bearing
13	联接架	Connect frame

性能参数 PERFORMANCE PARAMETER

型号 Model	口径 Caliber (mm)		流量 Flow (m³/h)	扬程 Head (m)	汽蚀余量 (NPSH)r (m)	电机功率 Motor Power (kW)	转速 Rotary Speed (r/min)	电压 Voltage (V)
	进口 Inlet	出口 Outlet						
ZCQ20-12-110	20	12	3	12	6	0.37	2900	220/380
ZCQ25-20-115	25	20	5.4	15	6	1.1	2900	380
ZCQ32-25-115	32	25	4.8	15	6	1.1	2900	380
ZCQ32-25-145	32	25	4.8	25	5.5	1.1	2900	380
ZCQ40-32-132	40	32	10.8	20	4	2.2	2900	380
ZCQ40-32-160	40	32	12	32	4	4	2900	380
ZCQ50-40-145	50	40	14.4	25	4	4	2900	380
ZCQ50-40-160	50	40	13.2	32	4	4	2900	380
ZCQ50-32-200	50	32	7.8	50	4	5.5	2900	380
ZCQ65-50-145	65	50	16.8	25	4	5.5	2900	380
ZCQ65-50-160	65	50	27	32	4	7.5	2900	380
ZCQ80-65-125	80	65	50	20	4	7.5	2900	380
ZCQ80-65-160	80	65	50	32	4	15	2900	380
ZCQ80-50-200	80	50	50	50	4	18.5	2900	380
ZCQ100-80-160	100	80	100	32	4	22	2900	380
ZCQ100-65-200	100	65	100	50	4	30	2900	380



产品特点 PRODUCT FEATURES

该泵过流部份采用全不锈钢材料，对有机酸，有机化合物，碱、中性溶液和多种气体都有良好的耐腐蚀性，双螺旋槽碳石墨轴承和硬质合金轴套的磨合，具有较强的耐磨性，保证了产品的寿命，是无泄漏输送腐蚀性介质的理想泵。

The wet parts of this pump are made of full stainless steel material to perform outstanding corrosion resistance to organic acid, organic compound, alkali, neutral solution and a great many of gases, double helix carbon graphite bearing and hard alloy bearing are provided with good abrasion-resisting property to ensure the service life of product, it is an optimal pump for handling corrosive mediums without leakage.

型号意义 MEANING OF THE MODEL

CQB 50 - 32 - 160

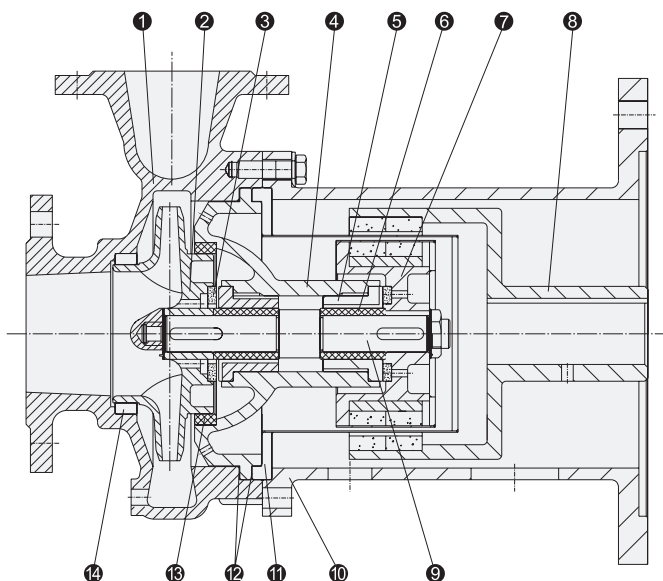
— 叶轮直径 Impeller diameter (mm)
— 出口直径 Outlet diameter (mm)
— 进口直径 Inlet diameter (mm)
— 磁力泵 Magnetic pump

使用参数 OPERATION PARAMETER

- 口径: DN20~DN125mm
- 流量: 3.2~200m³/h
- 扬程: 12.5~80m
- 转速: 2900r/min
- 工作温度: ≤120℃
- 粘度: ≤100mm²/s
- 压力: ≤1.6MPa
- 电机功率: 1.1~90kW

- Caliber: DN20~DN125mm
- Capacity: 3.2~200m³/h
- Head: 12.5~80m
- Rotate speed: 2900r/min
- Work temperature: ≤120℃
- Viscosity: ≤100mm²/s
- Pressure: ≤1.6MPa
- Motor power: 1.1~90kW

结构示意图 SKETCH MAP OF STRUCTURE



- | | | |
|----|-------|----------------------|
| 1 | 泵壳 | Casing |
| 2 | 叶轮 | Impeller |
| 3 | 止推环 | Thrust ring |
| 4 | 轴承体 | Bearing body |
| 5 | 轴承 | Bearing |
| 6 | 轴套 | Shaft sleeve |
| 7 | 内转子总成 | Inner rotor assembly |
| 8 | 外转子总成 | Outer rotor assembly |
| 9 | 泵轴 | Shaft |
| 10 | 联接架 | Connect frame |
| 11 | 隔离套 | Insulate sheath |
| 12 | 密封圈 | Seal ring |
| 13 | 后口环 | Back mouth ring |
| 14 | 前口环 | Front mouth ring |

性能参数 PERFORMANCE PARAMETER

型号 Model	口径 Caliber (mm)		流量 Flow (m³/h)	扬程 Head (m)	汽蚀余量 (NPSH)r (m)	电机功率 Motor Power (kW)	转速 Rotary Speed (r/min)	电压 Voltage (V)	
	进口 Inlet	出口 Outlet							
CQB32-20-105	32	20	3.2	12.5	4.5	1.1	2900	380	
CQB32-20-125				20	4.5	1.5	2900	380	
CQB32-20-160				32	4.5	2.2	2900	380	
CQB40-25-125	40	25	6.3	20	4.5	2.2	2900	380	
CQB40-25-160				32	4.5	3	2900	380	
CQB40-25-200				50	4.5	5.5	2900	380	
CQB50-32-125	50	32	12.5	20	4	3	2900	380	
CQB50-32-160				32	4	4	2900	380	
CQB50-32-200				50	4	7.5	2900	380	
CQB50-32-250				80	4	15	2900	380	
CQB65-50-125	65	50	25	20	4	5.5	2900	380	
CQB65-50-160				32	4	7.5	2900	380	
CQB65-40-200		40		50	4	15	2900	380	
CQB65-40-250				80	4	22	2900	380	
CQB80-65-125	80	65	50	20	3.5	7.5	2900	380	
CQB80-65-160				32	3.5	15	2900	380	
CQB80-50-200		50		50	3.5	18.5	2900	380	
CQB80-50-250				80	3.5	37	2900	380	
CQB100-80-125	100	80	100	20	3.2	15	2900	380	
CQB100-80-160				32	3.2	22	2900	380	
CQB100-65-200		65		50	3.2	37	2900	380	
CQB100-65-250				80	3.2	55	2900	380	
CQB125-100-200	125	100	200	50	3.2	75	2900	380	
CQB125-100-250				80	3.2	90	2900	380	

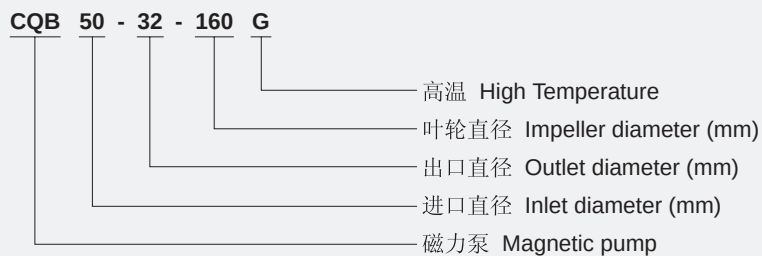


产品特点 PRODUCT FEATURES

CQB-G型高温保温泵采用多重循环冷却结构，保证了原动力和磁传动的可靠性和稳定性，同时采用柱销联轴器减少了泵的噪音和震动，便拆式和柱销联轴器同时使用，使泵的结构增长，更有利于泵的散热。同时，也十分方便用户的维修或更换零件，在泵的外转子部分还设计了散热风叶，确保磁钢的稳定性。本系列泵适用于输送高温介质，温度 $\leq 300^{\circ}\text{C}$ 。

CQB-G uses multiple circulating cooling structure to ensure the dependability and stability of prime mover and magnetic drive. Meanwhile, pin coupling is used to reduce the noise and vibration of pump. The detachable type and pin coupling makes the structure of pump longer, which is good for heat dissipation. Moreover, to make repair and replacement of spare parts much easier, a heat dissipation fan blade is designed on the outer rotor of pump to ensure the stability of magnet steel. This series of pumps are applicable for high temperature mediums, with service temperature $\leq 300^{\circ}\text{C}$.

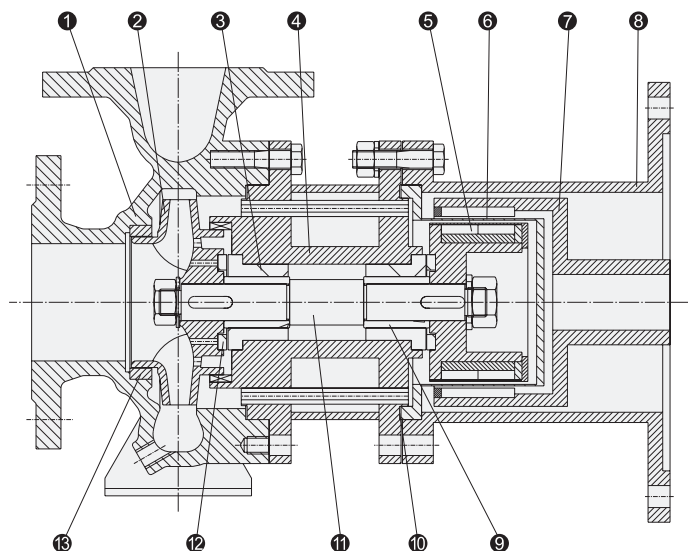
型号意义 MEANING OF THE MODEL



使用参数 OPERATION PARAMETER

- 口径: DN20~DN100mm
- 流量: 3.2~100m³/h
- 扬程: 20~80m
- 转速: 2900r/min
- 工作温度: $\leq 300^{\circ}\text{C}$
- 粘度: $\leq 100\text{mm}^2/\text{s}$
- 压力: $\leq 1.6\text{MPa}$
- 电机功率: 1.5~55kW
- Caliber: DN20~DN100mm
- Capacity: 3.2~100m³/h
- Head: 20~80m
- Rotate speed: 2900r/min
- Work temperature: $\leq 300^{\circ}\text{C}$
- Viscosity: $\leq 100\text{mm}^2/\text{s}$
- Pressure: $\leq 1.6\text{MPa}$
- Motor power: 1.5~55kW

结构示意图 SKETCH MAP OF STRUCTURE



1	泵壳	Casing
2	叶轮	Impeller
3	轴承	Bearing
4	轴承体	Bearing body
5	内转子总成	Inner rotor assembly
6	隔离套	Insulate sheath
7	外转总成子	Outer rotor assembly
8	联接架	Connect frame
9	轴套	Shaft sleeve
10	密封圈	Seal ring
11	泵轴	Shaft
12	止推环	Thrust ring
13	口环	Mouth ring

性能参数 PERFORMANCE PARAMETER

型号 Model	口径 Caliber (mm)		流量 Flow (m³/h)	扬程 Head (m)	汽蚀余量 (NPSH)r (m)	电机功率 Motor Power (kW)	转速 Rotary Speed (r/min)	电压 Voltage (V)
	进口 Inlet	出口 Outlet						
CQB32-20-125G	32	20	3.2	20	4.5	1.5	2900	380
CQB32-20-160G				32	4.5	2.2	2900	380
CQB40-25-125G	40	25	6.3	20	4.5	2.2	2900	380
CQB40-25-160G				32	4.5	3	2900	380
CQB40-25-200G				50	4.5	5.5	2900	380
CQB50-32-125G	50	32	12.5	20	4	3	2900	380
CQB50-32-160G				32	4	4	2900	380
CQB50-32-200G				50	4	7.5	2900	380
CQB50-32-250G				80	4	15	2900	380
CQB65-50-125G	65	50	25	20	4	5.5	2900	380
CQB65-50-160G				32	4	7.5	2900	380
CQB65-40-200G		40		50	4	15	2900	380
CQB65-40-250G				80	4	22	2900	380
CQB80-65-125G	80	65	50	20	3.5	7.5	2900	380
CQB80-65-160G				32	3.5	15	2900	380
CQB80-50-200G		50		50	3.5	22	2900	380
CQB80-50-250G				80	3.5	37	2900	380
CQB100-80-125G	100	80	100	20	3.2	15	2900	380
CQB100-80-160G				32	3.2	22	2900	380
CQB100-65-200G		65		50	3.2	37	2900	380
CQB100-65-250G				80	3.2	55	2900	380



产品特点 PRODUCT FEATURES

CQG型是在ISG型立式管道泵的基础上设计而成的新型立式结构磁力泵，它秉承ISG泵的优点，又与磁力传动的完美结合，达到了无泄漏输送液体的要求。可直接安装在管道的任何部位，对管道中的介质进行加压，可直接替换原来的ISG泵，安装尺寸与ISG泵完全相同，方便用户更换。

CQG is a late-model vertical magnetic pump designed on the base of ISG vertical pipeline mounted pump. Embodying the advantages of ISG pump, this type is provided with magnetic drive for leak-tight delivery of liquid. Can be directly mounted to any position on the pipeline, and carries out pressurization to the medium inside pipeline. It can directly replace ISG pump, with installation dimensions completely same as ISG pumps for the convenience of making replacement.

型号意义 MEANING OF THE MODEL

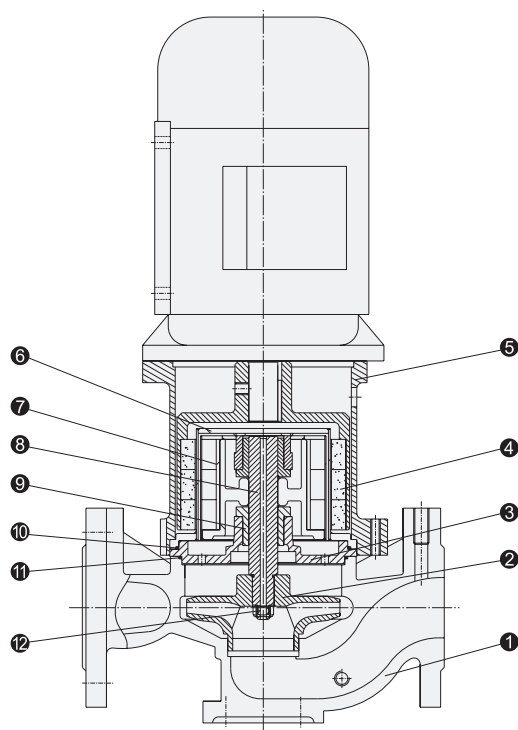
CQG 50 - 160

—— 叶轮名义直径 Impeller diameter (mm)
—— 进出口直径 Inlet & Outlet diameter (mm)
—— 立式管道磁力泵 Vertical pipeline magnetic pump

使用参数 OPERATION PARAMETER

- | | |
|--------------------|---------------------------|
| • 口径: DN25~DN125mm | • Caliber: DN25~DN125mm |
| • 流量: 4~160m³/h | • Capacity: 4~160m³/h |
| • 扬程: 12.5~80m | • Head: 12.5~80m |
| • 转速: 2900r/min | • Rotate speed: 2900r/min |
| • 工作温度: ≤120℃ | • Work temperature: ≤120℃ |
| • 粘度: ≤100mm²/s | • Viscosity: ≤100mm²/s |
| • 压力: ≤1.6MPa | • Pressure: ≤1.6MPa |
| • 电机功率: 0.75~75kW | • Motor power: 0.75~75kW |

结构示意图 SKETCH MAP OF STRUCTURE



- | | | |
|----|-------|----------------------|
| 1 | 泵壳 | Casing |
| 2 | 叶轮 | Impeller |
| 3 | 隔板 | Dummy plate |
| 4 | 外转子总成 | Outer rotor assembly |
| 5 | 联接架 | Connect frame |
| 6 | 隔离套 | Insulate sheath |
| 7 | 内转子总成 | Inner rotor assembly |
| 8 | 泵轴 | Shaft |
| 9 | 轴承 | Bearing |
| 10 | 后密封圈 | Back seal ring |
| 11 | 前密封圈 | Front seal ring |
| 12 | 叶轮螺母 | Impeller nut |

性能参数 PERFORMANCE PARAMETER

型号 Model	流量 Flow (m³/h)	扬程 Head (m)	效率 Efficiency (%)	功率 Power (kW)	汽蚀余量 (NPSH)r (m)	型号 Model	流量 Flow (m³/h)	扬程 Head (m)	效率 Efficiency (%)	功率 Power (kW)	汽蚀余量 (NPSH)r (m)
CQG25-110	4	15	27	0.75	2.3	CQG65-160	25	32	48	5.5	2.5
CQG25-125	4	20	21	1.1	2.3	CQG65-200	25	50	43	11	2.5
CQG25-160	4	32	17	2.2	2.3	CQG65-250	25	80	35	18.5	2.5
CQG32-100	4.5	12.5	29	0.75	2	CQG80-100	50	12.5	58	4	3
CQG32-125	4.5	20	29	1.1	2.3	CQG80-125	50	20	57.5	7.5	3
CQG32-160	4.5	32	29	2.2	2.3	CQG80-160	50	32	56	11	3
CQG32-200	4.5	50	17	4	2	CQG80-200	50	50	52	18.5	3
CQG40-125	6.3	20	31	1.5	2.3	CQG80-250	50	80	44	30	3
CQG40-160	6.3	32	25	3	2.3	CQG100-100	100	12.5	61	7.5	4.5
CQG40-200	6.3	50	18	5.5	2.3	CQG100-125	100	20	61	15	4.5
CQG40-250	6.3	80	13	11	2.3	CQG100-160	100	32	61	18.5	4.5
CQG50-100	12.5	12.5	47	1.5	2.3	CQG100-200	100	50	59	30	4
CQG50-125	12.5	20	43	2.2	2.3	CQG100-250	100	80	54	45	4
CQG50-160	12.5	32	37	4	2.3	CQG125-125	160	20	65	18.5	4
CQG50-200	12.5	50	31	7.5	2.3	CQG125-160	160	32	63	30	4
CQG50-250	12.5	80	23	15	2.3	CQG125-200	160	50	62	45	5.5
CQG65-100	25	12.5	54	2.2	2.5	CQG125-250	160	80	60	75	5
CQG65-125	25	20	53	3	2.5						



产品特点 PRODUCT FEATURES

CQB-F型衬氟磁力泵的过流部件均采用“聚偏二氟塑料合金(PVDF)和超高分子量聚乙烯(UHMWPE)”制造。在常温下, PVDF对卤素、卤代烃、强氧化剂、沸酸、碱等多种有机溶剂都有良好耐蚀性; UHMWPE对非氧化性酸(稀硫酸、硝酸及浓度较大的盐酸、磷酸、氢氟酸、甲酸、乙酸)、氨和胺及各种碱、盐溶液都有良好的耐蚀性, 两种材料都不耐强氧化性酸的腐蚀。氟合金泵的外壳为金属材料, 有足够的强度承受管道以及外界的机械冲击。传动功率3kW以下的采用全氟结构。

All flow-through parts of CQB-F fluorine lining magnetic pump are made of PVF2 and UHMWPE. Under normal temp., PVF2 has a fine corrosion resistance to many organic solvents like halogen, halogenated hydrocarbon, strong oxidant, boiling acid and alkali; UHMWPE has a fine corrosion resistance to inoxidable acid (dilute sulfuric acid, nitric acid and large concentration hydrochloric acid, phosphorus acid, hydrofluoric acid, formic acid and acetic acid), ammonia, amine and various alkali and salty solutions. Both materials can't resist the corrosion of strong oxidable acid. The fluorine alloy pump has a metal shell with enough tenacity to afford the mechanical impact from the pipeline and outside. Those with transmission power below 3KW adopt full fluorine structure.

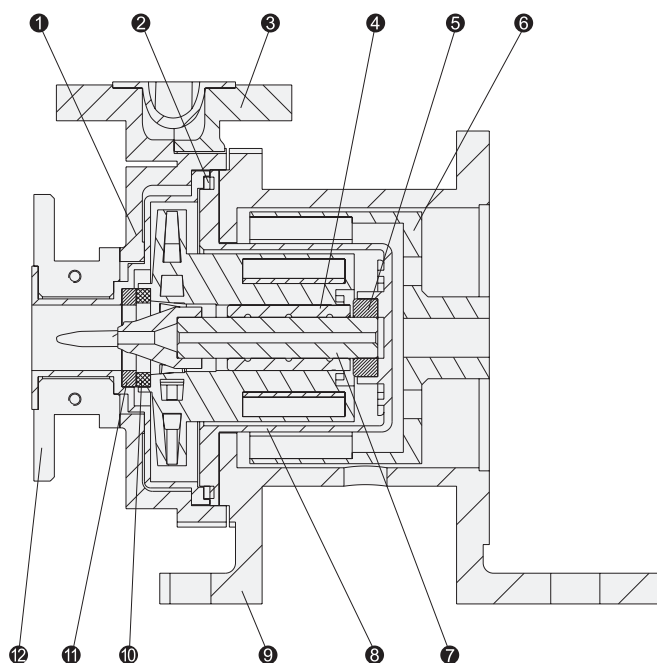
型号意义 MEANING OF THE MODEL



使用参数 OPERATION PARAMETER

- 口径: DN10~DN80mm
- 流量: 1.8~50m³/h
- 扬程: 8~32m
- 转速: 2900r/min
- 工作温度: ≤100℃
- 粘度: ≤100mm²/s
- 压力: ≤1.0MPa
- 电机功率: 0.12~11kW
- **Caliber:** DN10~DN80mm
- **Capacity:** 1.8~50m³/h
- **Head:** 8~32m
- **Rotate speed:** 2900r/min
- **Work temperature:** ≤100℃
- **Viscosity:** ≤100mm²/s
- **Pressure:** ≤1.0MPa
- **Motor power:** 0.12~11kW

结构示意图 SKETCH MAP OF STRUCTURE



- | | | |
|----|-------|----------------------|
| 1 | 泵壳 | Casing |
| 2 | 密封圈 | Seal ring |
| 3 | 出口法兰 | Outlet flange |
| 4 | 滑动轴承 | Sliding bearing |
| 5 | 止推环 | Thrust ring |
| 6 | 外转子总成 | Outer rotor assembly |
| 7 | 泵轴 | Shaft |
| 8 | 隔离套 | Insulate sheath |
| 9 | 联接架 | Connect frame |
| 10 | 动环 | Rotor ring |
| 11 | 静环 | Stator ring |
| 12 | 进口法兰 | Inlet flange |

性能参数 PERFORMANCE PARAMETER

型号 Model	口径 Caliber (mm)		流量 Flow (m³/h)	扬程 Head (m)	电机功率 Motor Power (kW)	转速 Rotary Speed (r/min)	电压 Voltage (V)
	进口 Inlet	出口 Outlet					
CQB15-10-85F	15	10	1.8	8	0.12	2900	220
CQB20-15-105F	20	15	3	12	0.37	2900	220
CQB15-10-85F	15	10	1.8	8	0.12	2900	380
CQB20-15-105F	20	15	3	12	0.37	2900	380
CQB32-25-125F	32	25	3.2	20	0.75	2900	380
CQB40-32-115F	40	32	6.3	15	0.75	2900	380
CQB40-32-145F				25	1.5	2900	380
CQB50-40-125F	50	40	12.5	20	1.5	2900	380
CQB50-40-160F				32	3	2900	380
CQB65-50-125F	65	50	25	20	4	2900	380
CQB65-50-160F				32	5.5	2900	380
CQB80-65-125F	80	65	50	20	7.5	2900	380
CQB80-65-160F				32	11	2900	380

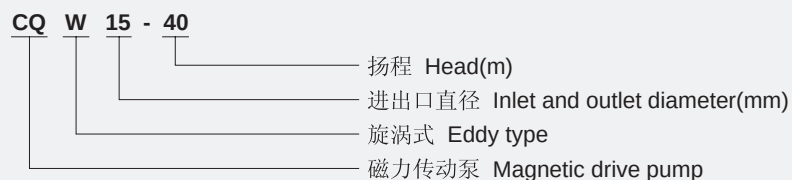


产品特点 PRODUCT FEATURES

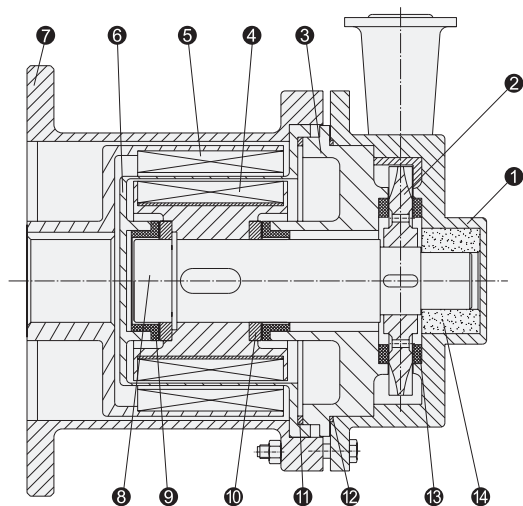
CQW型磁力传动旋涡泵同时具有磁力泵和旋涡泵的特点。磁力旋涡泵属于新一代旋涡泵，结构简单、体积小、重量轻。主要用于化工、医药等工业流程中输送小流量、高扬程的场合更能发挥其独特的作用。

CQW magnetic drive eddy pump has both magnetic and eddy pump characteristics, simple structure, small size, light weight, can be used in chemical industrial, medicament, It have small flow and high head character.

型号意义 MEANING OF THE MODEL



结构示意图 SKETCH MAP OF STRUCTURE



1	泵壳	Casing
2	叶轮	Impeller
3	隔板	Dummy plate
4	内转子总成	Inner rotor assembly
5	外转子总成	Outer rotor assembly
6	隔离套	Insulate sheath
7	联接架	Connect frame
8	泵轴	Shaft
9	轴承(一对)	Bearing
10	止推环(一对)	Thrust ring
11	后密封圈	Back seal ring
12	前密封圈	Front seal ring
13	静环	Stator ring
14	前轴承	Front bearing

使用参数 OPERATION PARAMETER

- 口径: DN15~DN50mm
 - 流量: 0.7~7m³/h
 - 扬程: 20~150m
 - 转速: 2900r/min
 - 工作温度: ≤120℃
 - 粘度: ≤100mm²/s
 - 压力: ≤1.6MPa
 - 电机功率: 0.55~22kW
- **Caliber:** DN15~DN50mm
 - **Capacity:** 0.7~7m³/h
 - **Head:** 20~150m
 - **Rotate speed:** 2900r/min
 - **Work temperature:** ≤120℃
 - **Viscosity:** ≤100mm²/s
 - **Pressure:** ≤1.6MPa
 - **Motor power:** 0.55~22kW

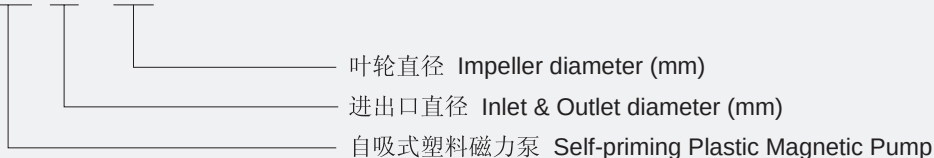
性能参数 PERFORMANCE PARAMETER

型号 Model	流量 Flow		扬程 Head (m)	电机功率 Motor Power (kW)	转速 Rotary Speed (r/min)	重量 Weight (kg)
	(m³/h)	(L/s)				
CQW15-20	0.7	0.2	20	0.55	2900	27
CQW15-40			40	1.1		31
CQW15-65			65	1.5		35
CQW15-85			85	2.2		40
CQW20-20	1.4	0.4	20	0.75	2900	32
CQW20-40			40	1.1		35
CQW20-50			50	2.2		35
CQW20-85			85	4		60
CQW20-105			105	5.5		75
CQW25-30	2.1	0.6	30	1.5	2900	40
CQW25-50			50	3		50
CQW25-75			75	4		60
CQW25-95			95	5.5		76
CQW25-120			120	7.5		100
CQW32-30	2.88	0.8	30	2.2	2900	38
CQW32-50			50	3		52
CQW32-65			65	4		60
CQW32-80			80	5.5		95
CQW32-110			110	7.5		110
CQW40-40	5	1.4	40	4	2900	80
CQW40-60			60	5.5		95
CQW40-75			75	7.5		95
CQW40-105			105	11		150
CQW40-120			120	15		160
CQW40-150			150	18.5		200
CQW50-40	7	1.94	40	5.5	2900	90
CQW50-65			65	7.5		110
CQW50-75			75	7.5		110
CQW50-105			105	15		180
CQW50-120			120	18.5		185
CQW50-150			150	22		220

**产品特点 PRODUCT FEATURES**

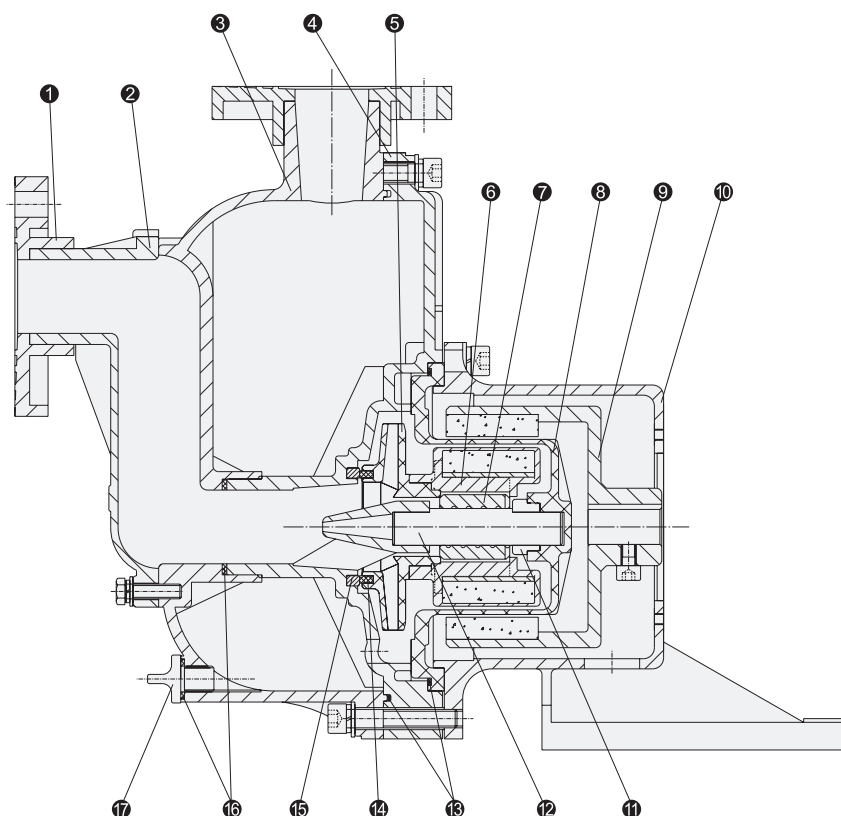
ZBF型产品符合JB/T 7742-1995《小型磁力传动离心泵》标准，为全国磁力泵联合设计的优化产品。结合国外的先进技术，采用外混式结构的自吸塑料磁力泵。该泵以增强聚丙烯为主要材料，自吸时间短、寿命长，是自动化远程控制和流动输送强腐蚀液体的无泄漏泵。

ZBF product complies with JB/T 7742-1995 Standard for Small Magnetic Transmission Centrifugal Pump and is an optimum product for the integrated design of magnetic pump all over the country. Selfpriming plastic magnetic pump adopts an outer recirculation structure combining foreign advanced technology. It is mainly made of reinforced PP with short time of self-priming and long life, a kind of zero-leakage pump for automation long distance control and fluid transmission of strongly corrosive liquid.

型号意义 MEANING OF THE MODEL**ZBF 50 - 160****使用参数 OPERATION PARAMETER**

- 口径: DN32~DN50mm
- 流量: 6.5~12.5m³/h
- 扬程: 10~32m
- 转速: 2900r/min
- 工作温度: ≤60℃
- 粘度: ≤100mm²/s
- 压力: ≤1.6MPa
- 电机功率: 0.75~4kW
- **Caliber:** DN32~DN50mm
- **Capacity:** 6.5~12.5m³/h
- **Head:** 10~32m
- **Rotate speed:** 2900r/min
- **Work temperature:** ≤60℃
- **Viscosity:** ≤100mm²/s
- **Pressure:** ≤1.6MPa
- **Motor power:** 0.75~4kW

结构示意图 SKETCH MAP OF STRUCTURE



1	法 兰 Flange	5	叶 轮 Impeller	9	外转子总成 Outer rotor	13	○型圈 O ring	17	排水螺栓 Drain bolt
2	进口管 Inlet pipe	6	内转子总成 Inner rotor	10	联接架 Connect frame	14	动 环 Rotor ring		
3	泵 盖 Pump cover	7	轴 承 Bearing	11	止推环 Thrust ring	15	静 环 Stator ring		
4	泵 壳 Casing	8	隔离套 Insulate sheath	12	泵 轴 Shaft	16	密封圈 Seal ring		

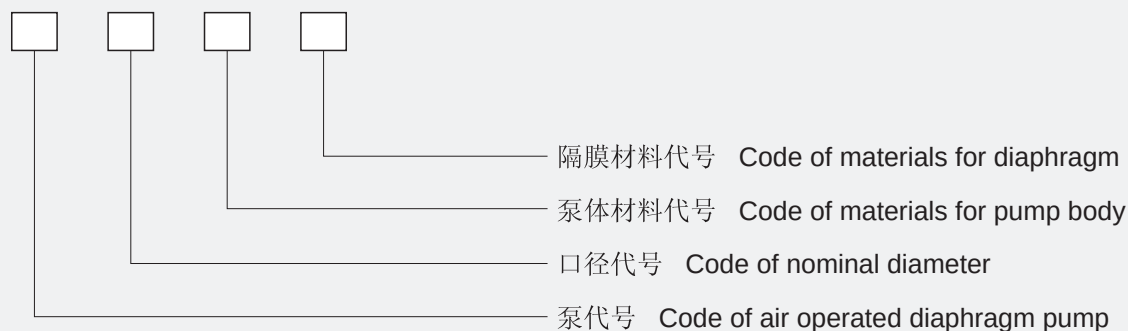
性能参数 PERFORMANCE PARAMETER

型号 Model	口径 Caliber (mm)		流量 Flow (m³/h)	扬程 Head (m)	吸程 Suction Lift (m)	电机功率 Motor Power (kW)	转速 Rotary Speed (r/min)	电压 Voltage (V)	频率 Frequency (V)
	进口 Inlet	出口 Outlet							
ZBF32-105	32	32	6.5	10	5	0.75	2900	380	50
ZBF32-115				16	5	1.1	2900	380	50
ZBF32-125				20	5	1.5	2900	380	50
ZBF40-105	40	40	10	10	5	1.1	2900	380	50
ZBF40-115				16	5	1.5	2900	380	50
ZBF40-125				20	5	2.2	2900	380	50
ZBF50-125	50	50	12.5	20	5	3	2900	380	50
ZBF50-160				32	5	4	2900	380	50

隔膜泵型号编制方法 ESTABLISHMENT METHOD OF PUMP MODEL

泵型号由四个单元组成按下列顺序编制

The pump model is composed of four units and is established according to the following sequence



泵代号 Code of air operated diaphragm pump: QBY1, QBY2, QBK1, QBK2, DBY

口径代号 Code of nominal diameter: 10(3/4), 15(1/2), 25(1), 40(1 1/2), 50(2), 65(2 1/2), 80(3), 100(4)

泵体材料代号 CODE OF MATERIALS FOR PUMP BODY

泵体材料 Material of pump body	代号 Code	泵体材料 Material of pump body	代号 Code
铝合金 Aluminum alloy	L	不锈钢 Stainless steel	B
铸铁 Cast iron	Z	衬胶 Rubber lining	ZCJ
工程塑料 Engineering plastic	S		

隔膜材料代号 CODE OF MATERIALS FOR DIAPHRAGM

隔膜材料 Material of diaphragm	代号 Code	隔膜材料 Material of diaphragm	代号 Code
丁腈橡胶 Buna-N	NBR	氯丁橡胶 Neoprene	CR
氟橡胶 Viton	F	四氟橡胶 Teflon	F46
乙丙橡胶 Ethylene-propylene rubber	EPDM		

订货须知 ORDER NOTICE

本公司QBY、QBK系列气动隔膜泵有两大系列，其中QBY1、QBK1出口在中间，QBY2、QBK2出口在侧边，订货时要予以说明。同时还要告之使用环境、温度、介质、流量、扬程、压力、泵体材料、隔膜材料。

We have two main series of QBY, QBK product, one is QBY1, QBK1 which with center connection, the other is QBY2, QBK2 with side connection. Please specify environment, temperature, medium, flow rate, head, pressure, materials of pump body and diaphragm when order.

产品特点 PRODUCT FEATURES

QBY 气动隔膜泵既能抽送流动的液体，又能输送一些不易流动的介质，具有自吸泵、潜水泵、屏蔽泵、泥浆泵和杂质泵等输送机械的许多优点。

1、不需灌引水，吸程高达5m，扬程达70m，出口压力 $\geq 6\text{bar}$ 。

2、流动宽敞，通过性能好，允许通过最大颗粒直径达10mm。抽送泥浆、杂质时，对泵磨损甚微。

3、扬程、流量可通过气阀开度实现无级调节（气压调节在1~7bar之间）。

4、该泵无旋转部件，没有轴封，隔膜把抽送的介质与泵的运动部件、工件介质完全隔开，所输送的介质不会向外泄漏。所以抽送有毒、易挥发或腐蚀性介质时，不会造成环境污染和危害人身安全。

5、不必用电，在易燃、易爆场所使用安全可靠。

6、可以浸没在介质中工作。

7、使用方便、工作可靠、开停只需简单地打开和关闭气体阀门。即使由于意外情况而长时间无介质运行或突然停机泵也不会因此而损坏，一旦超负荷，泵会自动停机，具有自我保护性能，当负荷恢复正常后，又能自动启动运行。

8、结构简单、易损件少，该泵结构简单，安装、维修方便，泵输送的介质不会接触到配气阀，连杆等运动部件，不象其他类型的泵因转子、活塞、齿轮、叶片等部件的磨损而使性能逐步下降。

9、可输送较粘的液体（粘度在1万厘泊以下）。

10、本泵无须用油润滑，即使空转，对泵也无任何影响，这是该泵最大特点。

QBY air operated diaphragm pumps not only can exhaust the flow liquid, but also can convey some uneasy flowed medium, with the merits the merits of self-pumping pump, diving pump, shield pump, slurry pump and impurity pump etc.

1. It's unnecessary to pour the drawing water, the suction lift reaches 5m height, the delivery lift reaches 70m length and the export pressure $\geq 6\text{bar}$.

2. Wide flow and good performance. The diameter allowed to pass the max grain reaches 10mm. The damage is very less to the pump while exhausting the slurry and impurity.

3. The delivery lift and flow can pass the pneumatic valve open to realize the step less adjustment (the pneumatic pressure adjustment is between 1-7bar).

4. This pump has no rotary parts and no bearing seals. The diaphragm will completely separate the exhausted medium and pump running parts, working medium. The conveyed medium can't be leaked outside. Thus it will not cause the environmental pollution and human body safety dangerous while exhausting the toxin and flammable or corrosive medium.

5. No electricity. It's safe and reliable while using in the flammable and explore places.

6. It can be soaked in medium.

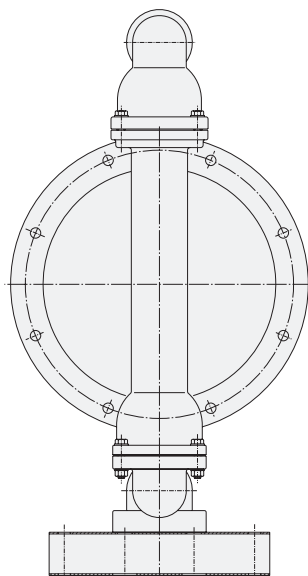
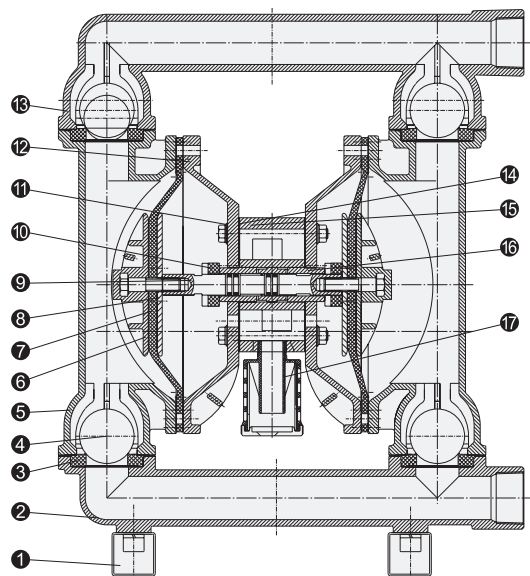
7. It's convenient to use and reliable to work. Only open or close the gas valve body while starting or stopping. Even if no medium operation or pausing suddenly for long time because of accident matters, the pump will not be damaged caused by this. Once over-loading, the pump will automatically stop and possesses the self protection function. When the load recovers normally, it also can start automatically.

8. Simple structure and less wearing parts. This pump is simple in structure, installation and maintenance. The medium conveyed by the pump will not touch the matched pneumatic valve and coupling lever etc. Not like other kinds pumps, the performance will drop down gradually because of the damages of rotor, gear and vane etc.

9. It can transmit the adhesive liquid (the viscosity is below 10000 centipoises).

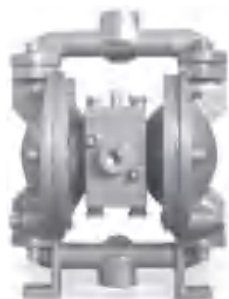
10. This pump needn't the oil lubricant. Even if idling, it has any influence to the pump. This is a characteristic of this pump.

结构示意图 SKETCH MAP OF STRUCTURE



1	底座	Base
2	下盖	Under cover
3	球座	Ball socket
4	球芯	Ball core
5	立柱	Column
6	外压板	Outer plate
7	隔膜	Septum
8	内压板	Inner plate
9	支承圈/矩形圈/中间轴	Support ring / rectangular ring / intermediate shaft
10	定位圈	Positioning ring
11	纸垫	Paper pad
12	隔膜排	Diaphragm row
13	上盖	Upper cover
14	中间体垫	Intermediate pad
15	中间泵体	Middle pump body
16	铜套	Copper sleeve
17	消声器	Muffler

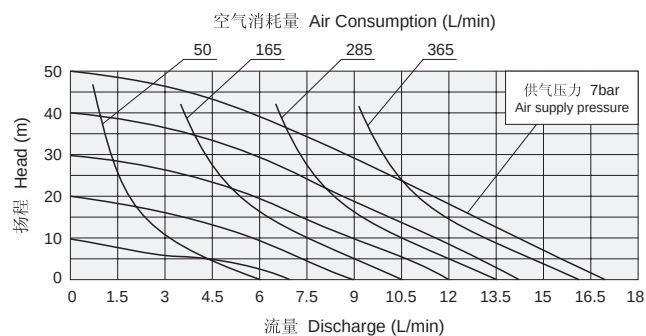
性能曲线 PERFORMANCE GRAPH



QBY1-10



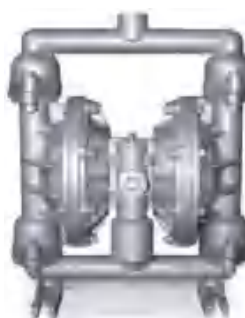
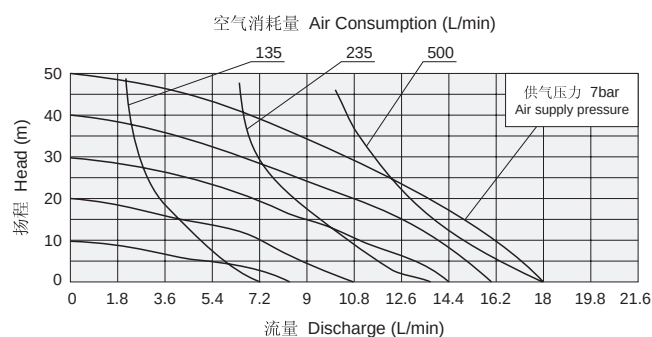
QBY2-10



QBY1-15



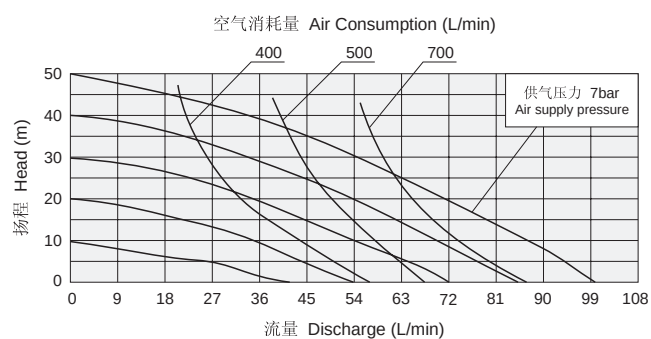
QBY2-15



QBY1-25



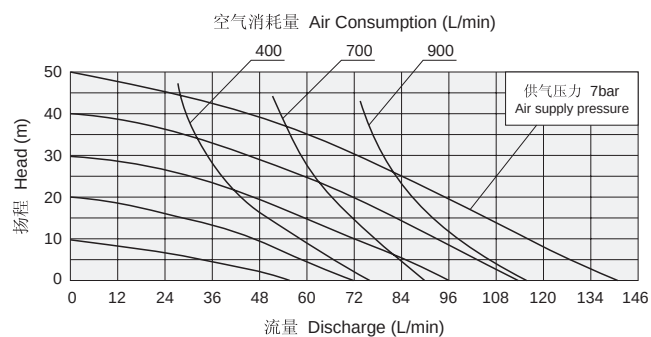
QBY2-25



QBY1-40



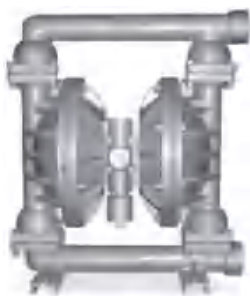
QBY2-40



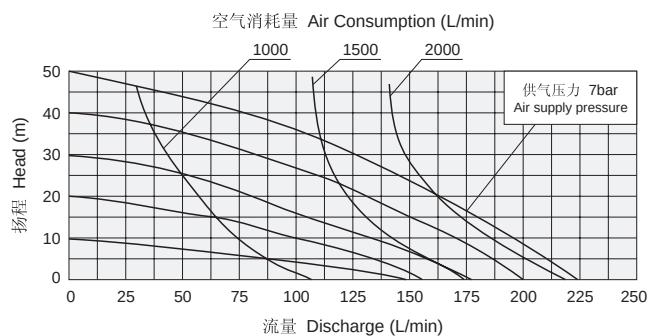
性能曲线 PERFORMANCE GRAPH



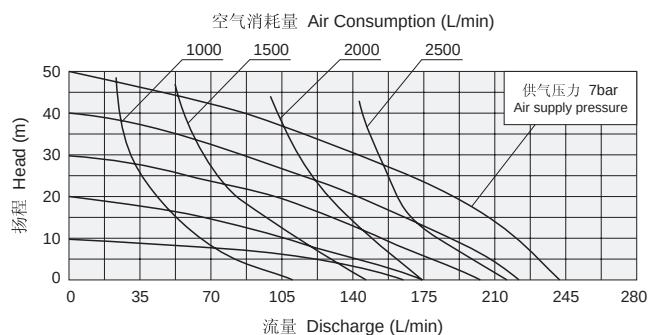
QBY1-50



QBY2-50



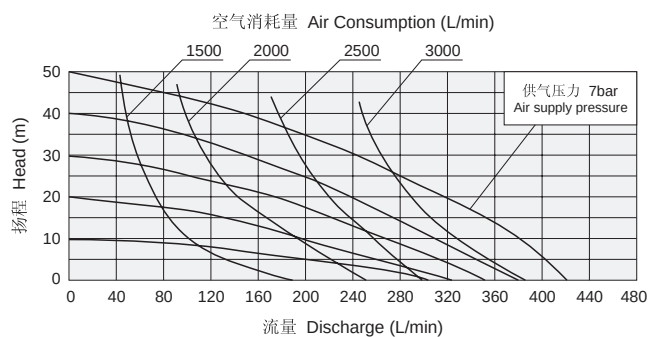
QBY1-65



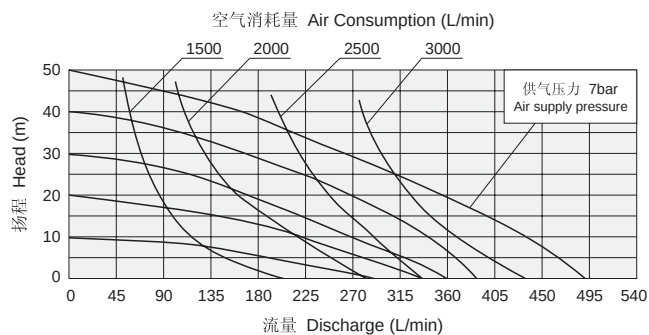
QBY1-80



QBY2-80



QBY1-100



规格一览表 GENERAL SPECIFICATION

型号 Model	入口 Suction		出口 Discharge		连接方式 Type of connection				泵体材质 Material of pump body				
	inc	mm	inc	mm	NPT	BSPT	ANSI 法兰 Flanged	DIN 法兰 Flanged	铸铁 Cast iron Z	铝合金 Aluminum alloy L	不锈钢 Stainless steel B	塑料 Engineering plastic S	衬胶 Rubber lining ZCJ
QBY1-10	3/8	10	3/8	10	●	●	—	—	●	●	●	—	—
QBY1-15	1/2	15	1/2	15	●	●	—	—	●	●	●	—	—
QBY1-25	1	25	1	25	●	●	—	—	●	●	●	—	●
QBY1-40	1½	40	1½	40	●	●	—	—	●	●	●	—	●
QBY1-50	2	50	2	50	—	—	●	●	●	●	●	—	●
QBY1-65	2½	65	2½	65	—	—	●	●	●	●	●	—	●
QBY1-80	3	80	3	80	—	—	●	●	●	●	●	—	●
QBY1-100	4	100	4	100	—	—	●	●	●	●	●	—	●
QBY2-10	3/8	10	3/8	10	●	●	—	—	●	●	●	●	—
QBY2-15	1/2	15	1/2	15	●	●	—	—	●	●	●	●	—
QBY2-25	1	25	1	25	●	●	—	—	●	●	●	●	—
QBY2-40	1½	40	1½	40	●	●	—	—	●	●	●	●	—
QBY2-50	2	50	2	50	●	●	●	●	●	●	●	●	—
QBY2-80	3	80	3	80	●	●	●	●	●	●	●	—	—

主要技术参数 MAIN SPECIFICATIONS

型号 Model	最大流量 Max Flow Rate (L/min)	出口压力 (最大) Discharge Pressure (Bar)	吸程 Sucked Lift (m)	最大允许 颗粒直径 Max Grain Diameter (mm)	最大空气 消耗量 Max Air Consumption (L/min)	隔膜材质 Material of Diaphragm				
						丁腈橡胶 Buna-N	氯丁橡胶 Neoprene	乙丙橡胶 EPDM	氟橡胶 Viton	四氟 Teflon
QBY1-10	16	6.9	5	1	300	●	●	●	●	●
QBY1-15	20	6.9	5	1	300	●	●	●	●	●
QBY1-25	100	6.9	5	2.5	600	●	●	●	●	●
QBY1-40	140	6.9	5	4.5	600	●	●	●	●	●
QBY1-50	240	6.9	5	8	900	●	●	●	●	●
QBY1-65	280	6.9	5	8	900	●	●	●	●	●
QBY1-80	400	6.9	5	10	1500	●	●	●	●	●
QBY1-100	480	6.9	5	10	1500	●	●	●	●	●
QBY2-10	16	6.9	5	1	300	●	●	●	●	●
QBY2-15	20	6.9	5	1	300	●	●	●	●	●
QBY2-25	100	6.9	5	2.5	600	●	●	●	●	●
QBY2-40	140	6.9	5	4.5	600	●	●	●	●	●
QBY2-50	240	6.9	5	8	900	●	●	●	●	●
QBY2-80	400	6.9	5	10	1500	●	●	●	●	●

产品特点 PRODUCT FEATURES

QBK 气动隔膜泵是我公司开发的第三代气动隔膜泵，具有使用寿命长，不会停顿等优点，它既能抽送流动的液体，又能输送一些不易流动的介质，具有自吸泵、潜水泵、屏蔽泵、泥浆泵和杂质泵等输送机械的许多优点。

- 1、不需灌引水。吸程高达5m。扬程达70m。出口压力 $\geq 6\text{bar}$ 。
- 2、流动宽敞，通过性能好。允许通过最大颗粒直径达10mm。抽送泥浆、杂质时，对泵磨损甚微。
- 3、扬程、流量可通过气阀开度实现无级调节(气压调节在1~7bar之间)。
- 4、该泵无旋转部件，没有轴封，隔膜把抽送的介质与泵的运动部件、工件介质完全隔开，所输送的介质不会向外泄漏。所以抽送有毒、易挥发或腐蚀性介质时，不会造成环境污染和危害人身安全。
- 5、不必用电。在易燃、易爆场所使用安全可靠。
- 6、可以浸没在介质中工作。
- 7、使用方便、工作可靠、开停只需简单地打开和关闭气体阀门。即使由于意外情况而长时间无介质运行或突然停机泵也不会因此而损坏。一旦超负荷，泵会自动停机，具有自我保护性能，当负荷恢复正常后，又能自动启动运行。
- 8、结构简单、易损件少，该泵结构简单，安装、维修方便，泵输送的介质不会接触到配气阀，连杆等运动部件，不象其他类型的泵因转子、活塞、齿轮、叶片等部件的磨损而使性能逐步下降。
- 9、可输送较粘的液体(粘度在1万厘泊以下)。
- 10、本泵无须用油润滑，即使空转。对泵也无任何影响，这是该泵最大特点。

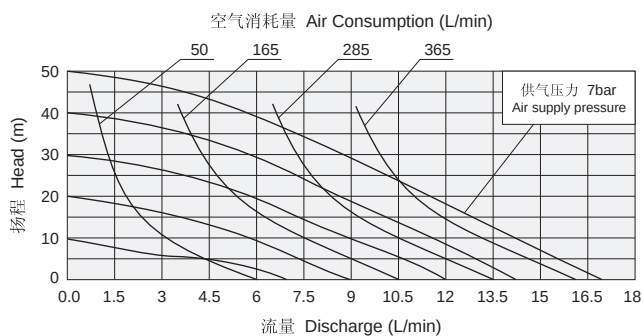
QBK is new developed air operated diaphragm series of our company which the third generation, it has the virtue of long service life and nonstop operation, not only it can convey some uneasy flowed medium, with the merits the merits of self-pumping pump, diving pump, shield pump, slurry pump and impurity pump etc.

1. It's unnecessary to pour the drawing water, the suction lift reaches 5m height, the delivery lift reaches 70m length and the export pressure $\geq 6\text{bar}$.
2. Wide flow and good performance. The diameter allowed to pass the max grain reaches 10mm. The damage is very less to the pump while exhausting the slurry and impurity.
3. The delivery lift and flow can pass the pneumatic valve open to realize the step less adjustment(the pneumatic pressure adjustment is between 1-7bar).
4. This pump has no rotary parts and no bearing seals. The diaphragm will completely separate the exhausted medium and pump running parts, working medium. The conveyed medium can't be leaked outside. Thus it will not cause the environmental pollution and human body safety dangerous while exhausting the toxin and flammable or corrosive medium.
5. No electricity. It's safe and reliable while using in the flammable and explore places.
6. It can be soaked in medium.
7. It's convenient to use and reliable to work. Only open or close the gas valve body while starting or stopping. Even if no medium operation or pausing suddenly for long time because of accident matters, the pump will not be damaged caused by this. Once over-loading, the pump will automatically stop and possesses the self protection function. When the load recovers normally, it also can start automatically.
8. Simple structure and less wearing parts. This pump is simple in structure, installation and maintenance. The medium conveyed by the pump will not touch the matched pneumatic valve and coupling lever etc. Not like other kinds pumps, the performance will drop down gradually because of the damages of rotor, gear and vane etc.
9. It can transmit the adhesive liquid (the viscosity is below 10000 centipoises).
10. This pump needn't the oil lubricant. Even if idling, it has any influence to the pump. This is a characteristic of this pump.

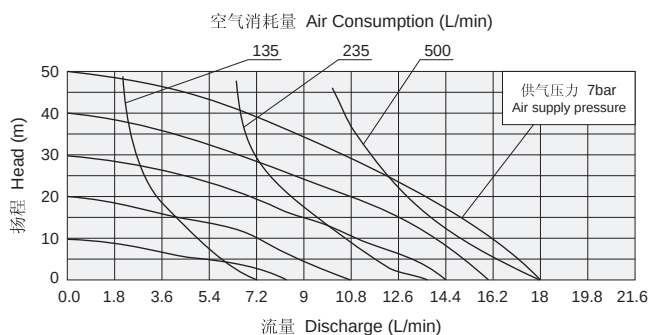
性能曲线 PERFORMANCE GRAPH



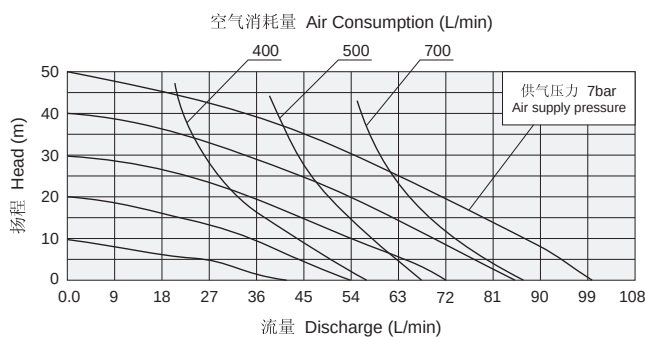
QBK-8



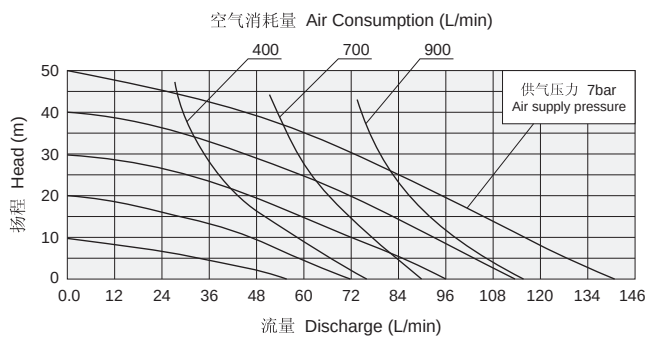
QBK-10/15



QBK-25



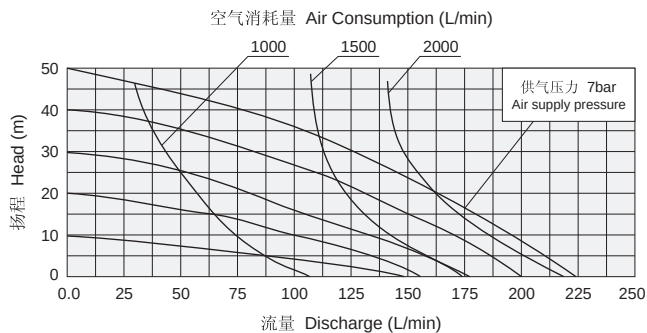
QBK-40



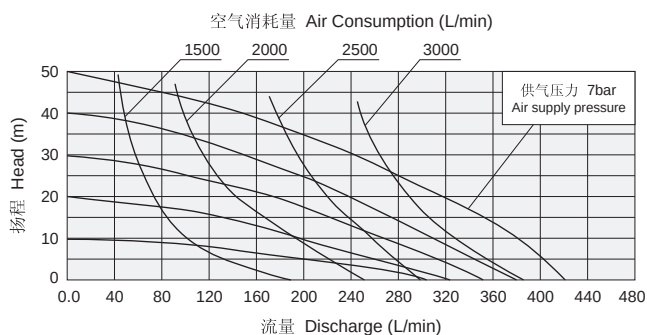
性能曲线 PERFORMANCE GRAPH



QBK-50



QBK-80



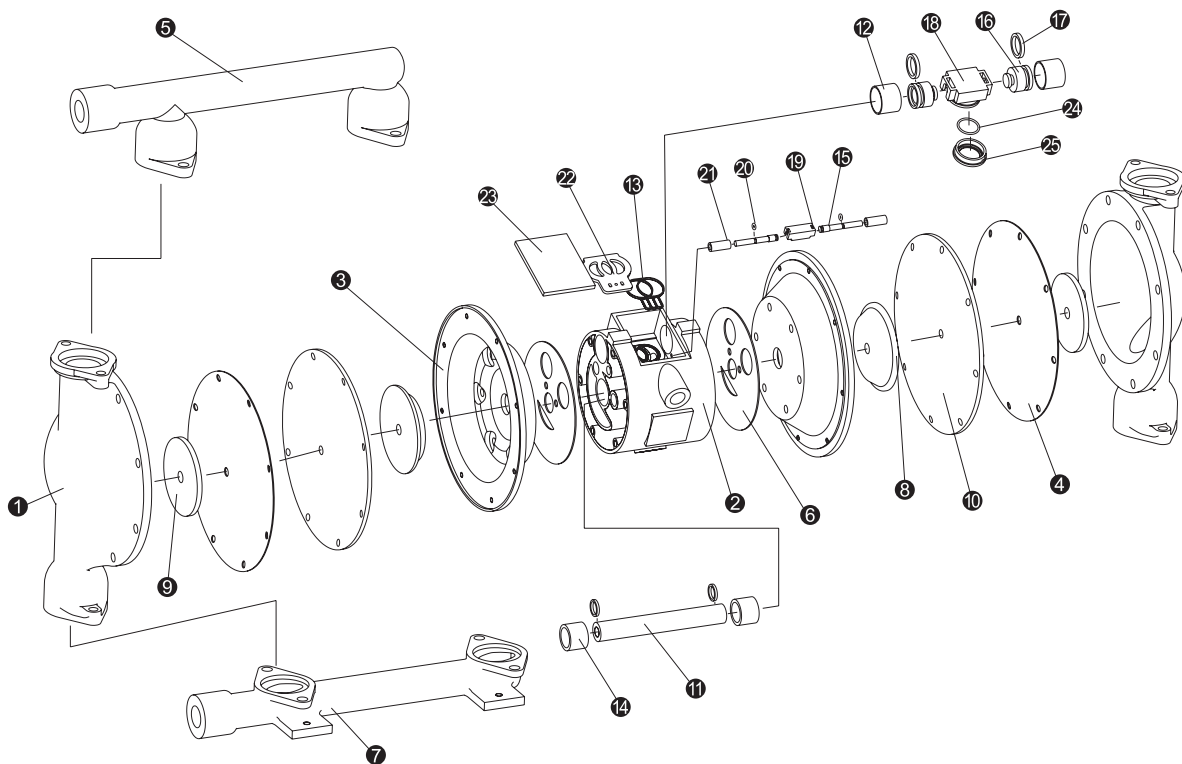
规格一览表 GENERAL SPECIFICATION

型号 Model	入口 Suction		出口 Discharge		连接方式 Type of connection				泵体材质 Material of pump body				
	inc	mm	inc	mm	NPT	BSPT	ANSI 法兰 Flanged	DIN 法兰 Flanged	铸铁 Cast iron Z	铝合金 Aluminum alloy L	不锈钢 Stainless steel B	塑料 Engineering plastic S	衬胶 Rubber lining ZCJ
QBK-8	5/16	8	5/16	8	●	●	—	—	—	—	—	●	—
QBK-10	3/8	10	3/8	10	●	●	—	—	●	●	●	●	—
QBK-15	1/2	15	1/2	15	●	●	—	—	●	●	●	●	—
QBK-25	1	25	1	25	●	●	—	—	●	●	●	●	—
QBK-40	1 1/2	40	1 1/2	40	●	●	—	—	●	●	●	●	—
QBK-50	2	50	2	50	●	●	●	●	●	●	●	—	—
QBK-80	3	80	3	80	●	●	●	●	●	●	●	—	—

主要技术参数 MAIN SPECIFICATIONS

型号 Model	最大流量 Max Flow Rate (L/min)	出口压力 (最大) Discharge Pressure (Bar)	吸程 Sucked Lift (m)	最大允许 颗粒直径 Max Grain Diameter (mm)	最大空气 消耗量 Max Air Consumption (L/min)	隔膜材质 Material of Diaphragm				
						丁腈橡胶 Buna-N	氯丁橡胶 Neoprene	乙丙橡胶 EPDM	氟橡胶 Viton	四氟 Teflon
QBK-8	16	6.9	5	1	300	●	●	●	●	●
QBK-10/15	20	6.9	5	1	300	●	●	●	●	●
QBK-25	100	6.9	5	2.5	600	●	●	●	●	●
QBK-40	140	6.9	5	4.5	600	●	●	●	●	●
QBK-50	240	6.9	5	8	900	●	●	●	●	●
QBK-80	400	6.9	5	10	1500	●	●	●	●	●

结构示意图 SKETCH MAP OF STRUCTURE



1	立 柱 Column	6	中间体垫 Intermediate pad	11	连杆轴 Connecting rod shaft	16	活 塞 Piston	21	助力杆套 Power assisted rod sleeve
2	中间体 Intermediate	7	进口管 Inlet pipe	12	活塞套 Piston sleeve	17	活塞轴上U型圈 Piston shaft U ring	22	换向阀座 Reversing valve seat
3	隔 排 Diaphragm row	8	内压板 Inner plate	13	换向阀座密封圈 Reversing valve seat sealing ring	18	换向阀 Reversing valve	23	中间体盖 Intermediate cover
4	四氟/F46膜片 PTFE/F46 diaphragm	9	外压板 Outer plate	14	轴 套 Shaft sleeve	19	滑 块 Slider	24	换向阀O型圈 Reversing valve seat O ring
5	出口管 Outlet pipe	10	橡胶/弹性体膜片 Rubber / elastomer diaphragm	15	助力杆 Power assisted rod	20	助力杆O型圈 Power assisted rod O ring	25	换向阀盖 Reversing valve cover



概述 GENERAL

电动隔膜泵是一种新型的泵类，近年来，由于在隔膜材质上取得了突破性的进展，国际上越来越多的工业化国家采用此种型式的泵，取代部份离心泵、螺杆泵，来应用于石化、陶瓷、冶金等行业，我单位目前生产的电动隔膜泵产品设计均参考美国ABEL公司样机，DBY型隔膜泵适用于低压，即出口压力 $\leq 3\text{kgf/cm}^2$ 的场合。

Electric diaphragm pump is one new kind of pumps, which has been employed in more and more industrialized countries over the world in recent years because of the breakthrough development in its diaphragm materials, it displaces some centrifugal pumps and screw pumps and is used in the trades of chemistry, ceramics, metallurgy and so on, the electric diaphragm pump, which produced in our corporation, is designed in accordance with sampled machine offered by ABEL company (U.S.A), it is suitable for the places with low pressure, i.e., its outlet pressure is less than 3kgf/cm^2 .

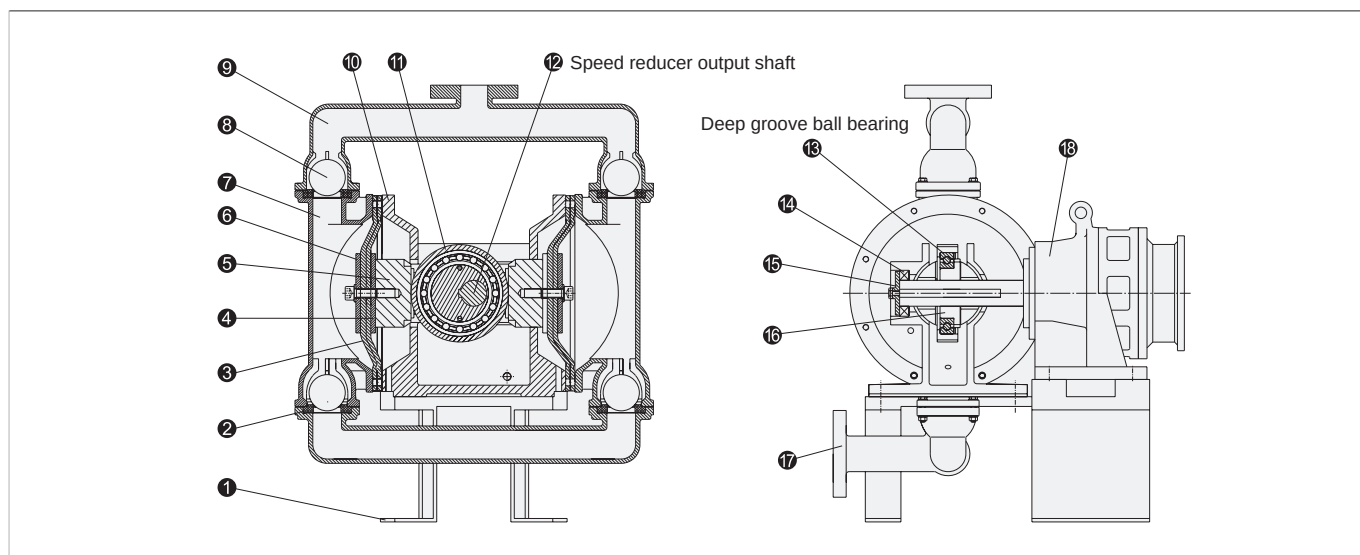
性能特点 PERFORMANCES AND CHARACTERISTICS

- 一、不需灌引水，自吸能力达7米以上。
 - 二、通过性能好，直径在10毫米以下的颗粒、泥浆等均可以毫不费力地通过。
 - 三、由于隔膜将被输送介质和传动机械件分开，所以介质绝对不会向外泄漏。且泵本身无轴封，使用寿命大大延长。根据不同介质，隔膜分为氯丁橡胶、氟橡胶、丁晴橡胶等，可以满足不同用户的要求。
 - 四、泵体介质流经部份，可根据用户要求，分为铸铁、不锈钢、衬胶，电机分为普通式和防爆式(B3d)两种。
1. Water irrigation and diversion are not necessary, its self-suction capacity can reach 7 odd meter.
 2. Enjoying excellent passing performance, even can pass through easily particles and slurry whose diameter below 10mm.
 3. The medium must not be leaked because the diaphragm has separated the transmitted medium from transmission machine. Moreover, owing to no shaft seals in the pump, its service life will be greatly prolonged, the diaphragm, according to its medium, can be classified as chloroprene rubber, fluoros rubber and Buna-N rubber to meet the requirements of various customers.
 4. The flowing part of pump body for medium can be classified as cast iron, stainless steel, lining rubber in accordance with the requirements of customers, while its motor can be differed from general type and explosion-proof type (B3d).

主要用途 MAIN USES

1. 各种剧毒、易燃、易挥发液体；2. 各种强酸、强碱、强腐蚀液体；3. 可输送较高温度的介质 150°C ；4. 作为各种压滤机前级送压装置；5. 热水回收及循环；6. 油罐车、油库、油品装卸；7. 泵吸泡菜果酱、土豆泥、巧克力等；8. 泵吸油漆、树脂、颜料粘合剂；9. 各种瓷器釉浆水泥灌浆灰浆泥浆；10. 各种橡胶浆乳胶、有机溶剂、填料；11. 为油轮驳船清仓吸取仓内污水及剩油；12. 啤酒花及发酵粉稀浆、糖浆、糖蜜；13. 泵吸矿井、坑道、隧道、下水道中污水、沉淀物；14. 各种特殊介质的吸送。
1. Various toxic, flammable and volatile liquids; 2. Various strongly acidic, strongly alkaline and strongly corrosive liquids; 3. Transmitting mediums with high temperature at 150°C . 4. Backing pressure feeder for various filter presses; 5. Employed for retrieving and circulation of heat water; 6. Loading and unloading of oil tankers, oil depots and oil goods. 7. Pumping of pickles, jams, mashed potato and chocolate etc.; 8. Pumping of paint, gum and pigment adhesives; 9. Employed for various porcelain, glaze, cement, grout, mortar and slurry; 10. Employed for various rubber, latex, organic solvent, stuffing; 11. Employed for clearance of oil tanker barge to suck off inner sewage and residual oil. 12. Employed for hops, yeast thin grout, syrup and molasses; 13. Pumping of sewage and sediment in mine, adit, tunnel and sewer. 14. Suction and transmission of various special mediums.

结构示意图 SKETCH MAP OF STRUCTURE



1	整机底座 Machine base	5	活塞轴 Piston shaft	9	出口管 Outlet pipe	13	深沟球轴承	17	进口管 Inlet pipe
2	密封球座 Seal ball seat	6	隔膜外压板 Outer plate	10	中间体 Intermediate	14	轴 承 Bearing	18	减速机 Speed reducer
3	隔 膜 Diaphragm	7	立 柱 Column	11	轴承套 Bearing sleeve	15	端 盖 End cover		
4	隔膜内压板 Inner plate	8	球 体 Ball body	12	减速机输出轴	16	偏心轮 Eccentric wheel		

规格一览表 GENERAL SPECIFICATION

型号 Model	入口 Suction		出口 Discharge		连接方式 Type of Connection				泵体材质 Material of Pump Body				
	inch	mm	inch	mm	NPT	BSPT	ANSI 法兰 Flanged	DIN 法兰 Flanged	铸铁 Cast Iron	铝合金 Aluminum Alloy	不锈钢 Stainless Steel	塑料 Engineering Plastic	衬胶 Rubber Lining
DBY-10	3/8	10	3/8	10	●	●	—	—	●	●	●	—	—
DBY-15	1/2	15	1/2	15	●	●	—	—	●	●	●	—	—
DBY-25	1	25	1	25	●	●	—	—	●	●	●	—	●
DBY-40	1½	40	1½	40	●	●	—	—	●	●	●	—	●
DBY-50	2	50	2	50	—	—	●	●	●	●	●	—	●
DBY-65	2½	65	2½	65	—	—	●	●	●	●	●	—	●
DBY-80	3	80	3	80	—	—	●	●	●	●	●	—	●
DBY-100	4	100	4	100	—	—	●	●	●	●	●	—	●

主要技术参数 MAIN SPECIFICATIONS

型号 Model	流量 Flow (m³/h)	吸程 Suction Lift (m)	扬程 Head (m)	功率 Power (kW)	转速 Speed (r/min)	出口压力 Outlet Pressure (kgf/cm²)	使用温度(°C) Operating Temperature		进出口连接尺寸 Inlet and Outlet Connection Dimension	
							铸铁 Cast Iron	不锈钢 Stainless Steel	吋 (inch)	(mm)
DBY-10	0.5	3	30	0.55	1450	3	90	150	3/8"	10
DBY-15	0.75	3	30	0.55	1450	3	90	150	1/2"	15
DBY-25	3.5	4	30	1.5	1450	3	90	150	1"	25
DBY-40	4.5	4	30	2.2	1450	3	90	150	1½"	40
DBY-50	6.5	4.5	30	4	1450	3	90	150	2"	50
DBY-65	8	4.5	30	4	1450	3	90	150	2½"	65
DBY-80	16	5	30	5.5	1450	3	90	150	3"	80
DBY-100	20	5	30	5.5	1450	3	90	150	4"	100



ZA石油化工流程泵，是根据API610和VDMA24297 (轻中型)规范设计的。

ZA petrochemical process pump is designed according to API610 and VDMA24297 (Light/Medium duty).

应用范围 APPLIED RANGE

本泵适合输送清洁或含有颗粒的液体，低温或高温的液体，中性或有腐蚀性的液体。主要用于：

- 1、炼油厂、石油化学工业、煤加工工业和低温工程。
- 2、化学工业、纸浆业、制糖业和普通流程工业。
- 3、供水厂、海水淡化厂
- 4、供暖和空气调节系统
- 5、发电厂
- 6、环境保护工程
- 7、船舶及海上工业等。

For pumping clean or slightly polluted, cold or hot, chemically neutral or aggressive liquids.

1. In refineries, petrochemical industry, coal processing and low temperature engineering.
2. In chemical industry, fibre and general processing industries, particularly in paper and pulp industries, sugar industry.
3. In water industry, particularly seawater desalination plants.
4. In heating and air-conditioning
5. In fossil and nuclear power-stations.
6. Condition protective project.
7. In ship and offshore industries.

输送介质 PUMPING MEDIUM

1、各种温度和浓度的硫酸、硝酸、盐酸和磷酸等无机酸和有机酸。

2、各种温度和浓度的氢氧化钠和碳酸钠等碱性溶液。

3、各种盐溶液。

4、各种液态石油化工产品，有机化合物，以及其它有腐蚀性的原料和产品。

目前本公司的耐腐蚀材料，能满足上述各种介质的要求。订货时，请用户提供所要输送介质的详细情况。

1. Sulphuric acid, nitric acid, hydrochloric acid, phosphoric acid for organic acid and inorganic acid which at various temperature and concentration.

2. Sodium hydroxide, sodium carbonate and alkaline liquid at various temperature and concentration.

3. All kinds of salt solution.

4. Various liquid petrochemical products, organic compound as well as raw materials with corrosion behaviour and the products.

At present, anti corrosive materials for pumps provided by our plant can meet all the requirements of the medium mentioned above. Please provide the detail service conditions for the pump to us, when you order.

使用参数 OPERATION PARAMETER

- 口径：25~400mm
- 流量：可达2600m³/h
- 扬程：可达250m
- 工作压力：可达2.5MPa
- 工作温度：-20℃~+180℃
- 中心支撑：-20℃~+450℃
- 电机功率：1.1~160kW

- Diameter: 1" up to 16"
- Flow: up to 2600m³/h
- Head: up to 250m
- Operating pressure: up to 2.5MPa
- Operating temperature: -20℃ to +180℃
- Centerline support: -20℃ to +450℃
- Motor power: 1.1~160kW

结构特点 STRUCTURE

该泵为单级、卧式径向剖分蜗壳泵，泵体为脚支撑。单吸径向叶轮。轴向吸入，径向排出。

根据使用条件，采用前、后磨损环及平衡孔进行水力平衡。填料箱具有冷却或加热管接头。轴封采用填料密封，也可以采用单端面或双端面机械密封。并配有冷却、冲洗或密封液系统。

标准管路按API规范设计。

吸入及排出管法兰的额定压力等级相同。

从电机端看，泵为顺时针转动。

Single-stage, horizontal, radially split volute casing pumps with feet below and single-entry radial impeller, end suction branch, radially upwards discharge branch.

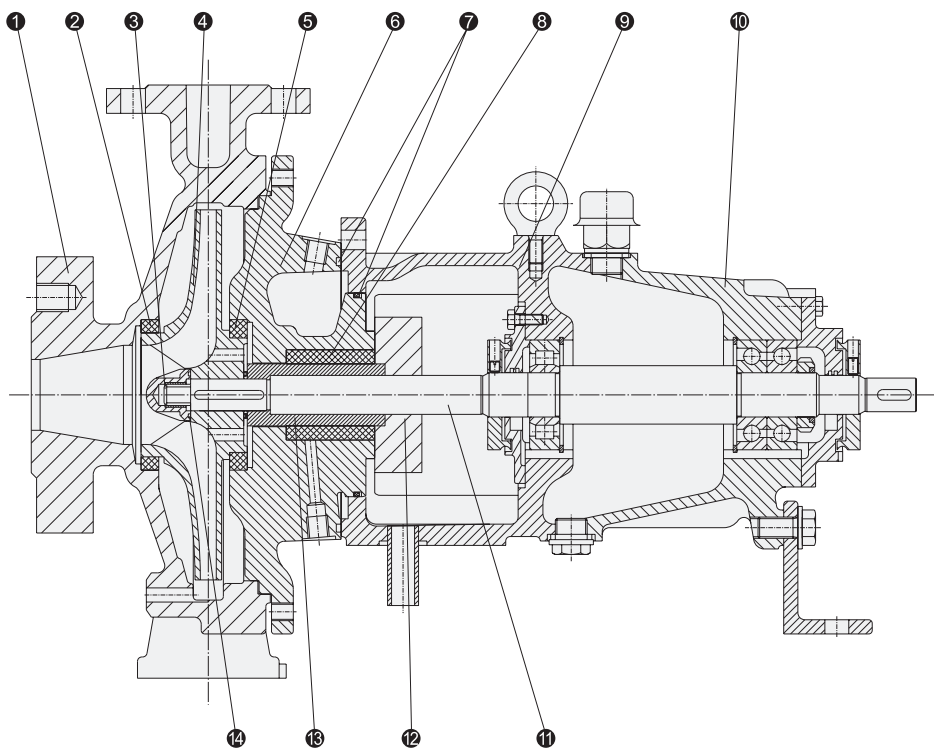
Depending on operating conditions hydraulic balance is provided by front or rear wear rings and balance holes. Casing cover with cooling or heating connections, shaft sealing by packings or mechanical seals of any design (single or double working), connections for cooling, flushing or sealing liquid.

Standardized pipework is designed according to API plans.

Flanges possible according to DIN or ANSI. Same nominal pressure for suction and discharge flanges.

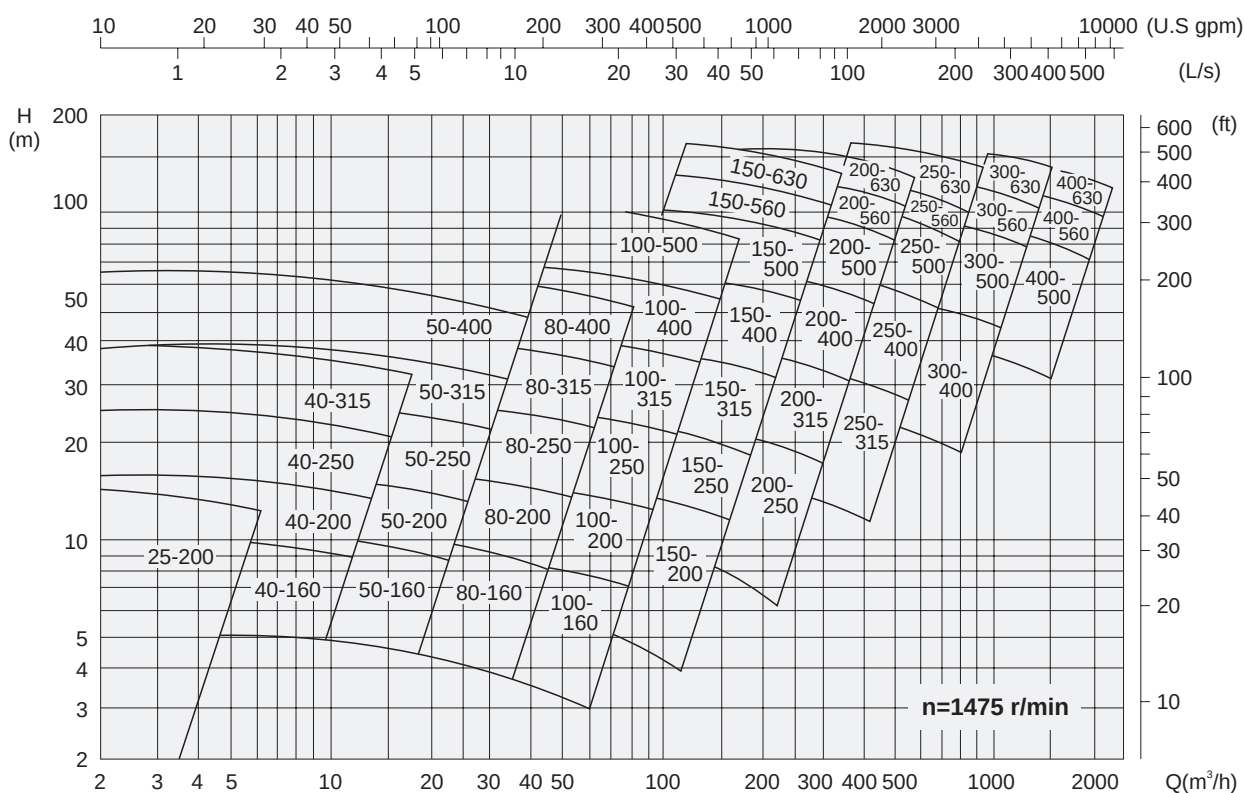
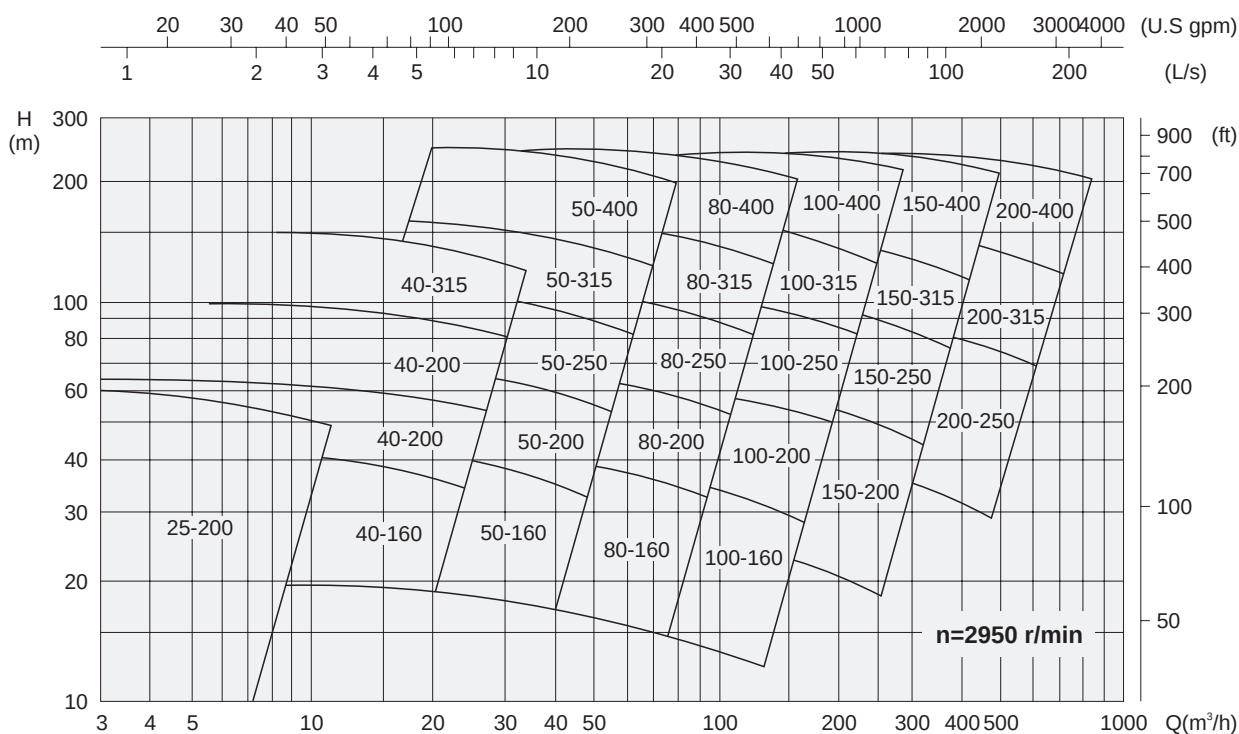
Direction of rotation clockwise seen from driven end.

结构示意图 SKETCH MAP OF STRUCTURE



1	泵壳 Casing	4	叶轮 Impeller	7	○型圈 O ring	10	悬架体 Suspension	13	轴套 Shaft sleeve
2	口环 Mouth ring	5	密封圈 Seal ring	8	机械密封 Mechanical seal	11	泵轴 Shaft	14	密封圈 Seal ring
3	叶轮螺母 Impeller nut	6	泵盖 Pump cover	9	联接架 Connect frame	12	机械密封盖 Mechanical seal cover		

性能范围 PERFORMANCE RANGE (50Hz)



性能参数 PERFORMANCE PARAMETER

型号 Model	叶 轮 型 式	额定转速 Rated Speed (n=2900r/min)										额定转速 Rated Speed (n=1450r/min)													
		流量 Flow Q (m³/h)	扬程 Head H (m)	效率 Eff. η (%)	轴 承 架 LK	汽蚀 余量 NPSH (m)	比重 γ=1.00		比重 γ=1.35		比重 γ=1.84		流量 Flow Q (m³/h)	扬程 Head H (m)	效率 Eff. η (%)	轴 承 架 LK	汽蚀 余量 NPSH (m)	比重 γ=1.00		比重 γ=1.35		比重 γ=1.84			
							电机功率及型号 Motor Power and Model				电机功率及型号 Motor Power and Model							电机功率及型号 Motor Power and Model		电机功率及型号 Motor Power and Model		电机功率及型号 Motor Power and Model			
							kW	Model	kW	Model	kW	Model						kW	Model	kW	Model	kW	Model	kW	Model
ZA25-200	A	11.5	49	42	0	1.5	5.5	Y132S1-2	7.5	Y132S2-2	11	Y160M1-2	5.8	12	38	0	0.6	1.1	Y90S-4	1.1	Y90S-4	1.5	Y90L-4		
	B	10.5	42				4	Y112M-2	5.5	Y132S1-2	7.5	Y132S2-2	5.4	11								1.1	Y90S-4		
	C	9	36				3	Y100L-2	4	Y112M-2	5.5	Y132S1-2	4.6	8.5											
	D	7.5	28				2.2	Y90L-2	3	Y100L-2	4	Y112M-2	4	6.5											
	E	5.5	16				1.5	Y90S-2	1.5	Y90S-2	2.2	Y90L-2	3	4											
ZA25-250	A	10.5	80	28	2	1.2	11	Y160M1-2	15	Y160M2-2	18.5	Y160L-2	7.5	18	23	1	1	2.2	Y100L1-4	3.0	Y100L2-4	4	Y112M-4		
	B	9.7	68				7.5	Y132S1-2	11	Y160M1-2	15	Y160M2-2	7	16				2.2	Y100L1-4	3.0	Y100L2-4	4	Y112M-4		
	C	9	50				5.5	Y132S1-2	11	Y160M1-2	15	Y160M2-2	6.5	11.5				2.2	Y100L1-4	2.2	Y100L1-4	3	Y100L2-4		
	D	8.5	30									6	6.5	1.1				Y90S-4	1.5	Y90L1-4	2.2	Y100L1-4			
	E						4	Y112S1-2	5.5	Y132S1-2	7.5	Y132S2-2													
ZA25-315	A	18.5	130	28	2	1.2	30	Y200L1-2	45	Y225M-2	55	Y250M-2	9.5	32	25	2	0.7	5.5	Y132S-4	7.5	Y132M-4	11	Y160M-4		
	B	17.5	115				30	Y200L1-2	37	Y200L2-2	45	Y225M-2	8.7	29				4	Y112M-4	5.5	Y132S-4	7.5	Y132M-4		
	C	16	100				22	Y180M-2	30	Y200L1-2	45	Y225M-2	7.5	25				3	Y100L2-4	4.0	Y112M-4	5.5	Y132S-4		
	D	14	90				18.5	Y160L-2	30	Y200L1-2	37	Y200L2-2	7	22				3	Y100L2-4	4.0	Y112M-4	5.5	Y132S-4		
	E	13	80				18.5	Y160L-2	22	Y180M-2	30	Y200L1-2	6.8	20				3	Y100L2-4	4.0	Y112M-4	5.5	Y132S-4		
	F	11.5	67				15	Y160M2-2	18.5	Y160L-2	30	Y200L1-2	6	16				2.2	Y100L1-4	3.0	Y100L2-4	4	Y112M-4		
ZA40-160	A	28	33	62	2	3	5.5	Y132S1-2	7.5	Y132S2-2	11	Y160M1-2	14	8	59	1	0.8	1.1	Y90S-4	1.1	Y90S-4	1.5	Y90L-4		
	B	25.6	29								13	7	1.1	Y90S-4											
	C	22	22				4	Y112M-2	5.5	Y132S1-2	5.5	Y132S1-2										11	5.5	1.1	Y90S-4
	D	20	16				2.2	Y90L-2	3	Y100L-2	4	Y112M-2	9.5	4.5											
ZA40-200	A	29	53	58	1	2.2	11	Y160M1-2	15	Y160M2-2	18.5	Y160L-2	14.5	13	55	1	0.8	1.5	Y90L-4	2.2	Y100L1-4	3	Y100L2-4		
	B	26	47				7.5	Y132S2-2	11	Y160M1-2	15	Y160M2-2	13	11.5				1.1	Y90S-4	1.5	Y90L-4	2.2	Y100L1-4		
	C	22	39				5.5	Y132S1-2	7.5	Y132S2-2	11	Y160M1-2	11.5	9						1.1	Y90S-4	1.5	Y90L-4		
	D	18	20				4	Y112M-2	5.5	Y132S1-2	7.5	Y132S2-2	9.5	7				1.1	Y90S-4	1.1	Y90S-4	1.1	Y90S-4		
ZA40-250	A	32	78	53	1	2.5	18.5	Y160L-2	22	Y180M-2	30	Y200L1-2	16	19.5	49.5	1	0.8	3	Y100L2-4	4	Y112M-4	5.5	Y132S-4		
	B	30	72				15	Y160M2-2	18.5	Y160L-2		15	18	2.2				Y100L1-4	3	Y100L2-4	4	Y112M-4			
	C	24	60				11	Y160M1-2	15	Y160M2-2		18.5	Y160L-2	12.5				14	1.5	Y90L-4	2.2	Y100L1-4	3	Y100L2-4	
	D	21	47				7.5	Y132S2-2	11	Y160M1-2		15	Y160M2-2	10.5				11	1.1	Y90S-4	1.5	Y90L-4	2.2	Y100L1-4	
ZA40-315	A	42	115	46	2	1.3	37	Y200L2-2	45	Y225M-2	75	Y280S-2	21	29	42	2	0.5	5.5	Y132S-4	7.5	Y132M-4	11	Y160M-4		
	B	40	107				30	Y200L1-2		55	Y250M-2	20	26.5	4				Y112M-4	5.5	Y132S-4	7.5	Y132M-4			
	C	34	81				22	Y180M-2		30	Y200L1-2	45	Y225M-2	17.5				20	3	Y100L2-4	3	Y100L2-4	5.5	Y132S-4	
	D	29	61				15	Y160M2-2		22	Y180M-2	30	Y200L1-2	15				15							
ZA50-160	A	50	34	74	2	2.4	11	Y160M1-2	15	Y160M2-2	15	Y160M2-2	25	8.4	69	1	0.8	1.5	Y90L-4	2.2	Y100L1-4	2.2	Y100L1-4		
	B	45	29				7.5	Y132S2-2	11	Y160M1-2			22.5	7						1.5	Y90L-4				
	C	38	22				5.5	Y132S1-2	7.5	Y132S2-2		11	Y160M1-2	19				5.5	1.1	Y90S-4	1.1	Y90S-4	1.5	Y90L-4	
	D	31	17				3	Y100L-2	4	Y112M-2		5.5	Y132S1-2	16.5				4	1.1	Y90S-4	1.1	Y90S-4	1.1	Y90S-4	
ZA50-200	A	62	52	68	2	2.6	18.5	Y160L-2	22	Y180M-2	30	Y200L1-2	31	13	65.5	1	0.7	3	Y100L2-4	3	Y100L2-4	4	Y112M-4		
	B	56	46				15	Y160M2-2	18.5	Y160L-2	22	Y180M-2	28.5	11.5				2.2	Y100L1-4						
	C	49	37				11	Y160M1-2	15	Y160M2-2	18.5	Y160L-2	25	9				1.5	Y90L-4		2.2	Y100L1-4	3	Y100L2-4	
	D	43	28				7.5	Y132S2-2	11	Y160M1-2	15	Y160M2-2	22	7				1.1	Y90S-4		1.5	Y90L-4	2.2	Y100L1-4	
ZA50-250	A	70	82	65	2	2.4	30	Y200L1-2	37	Y200L2-2	55	Y250M-2	35	20	62.5	2	0.7	4	Y112M-4	5.5	Y132S-4	7.5	Y132M-4		
	B	66	75						45	Y225M-2	33	18.5	3	Y100L2-4				4	Y112M-4	5.5	Y132S-4				
	C	60	60				22	Y180M-2	30	Y200L1-2	37	Y200L2-2	30	15				2.2	Y100L1-4	3	Y100L2-4	3	Y100L2-4		
	D	50	45				15	Y160M2-2	18.5	Y160L-2	22	Y180M-2	26	11											
ZA50-315	A	87	115	56	3	2.1	55	Y250M-2	75	Y280S-2	110	Y315S-2	44	28	53	2	0.5	11	Y160M-4	11	Y160M-4	15	Y160L-4		
	B	80	100				45	Y225M-2		90	Y280M-2	40	24	7.5				Y132M-4							
	C	70	78				30	Y200L1-2		45	Y225M-2	55	Y250M-2	35				19	5.5		Y132S-4	7.5	Y132M-4	11	Y160M-4
	D	57	57				22	Y180M-2		30	Y200L1-2	37	Y200L2-2	30				14	3		Y100L2-4	4	Y112M-4	5.5	Y132S-4

性能参数 PERFORMANCE PARAMETER

型号 Model	叶 轮 型 式	额定转速 Rated Speed (n=2900r/min)											额定转速 Rated Speed (n=1450r/min)										
		流量 Flow Q (m³/h)	扬程 Head H (m)	效率 η (%)	轴 承 架 LK	汽蚀 余量 NPSH (m)	比重 γ=1.00		比重 γ=1.35		比重 γ=1.84		流量 Flow Q (m³/h)	扬程 Head H (m)	效率 η (%)	轴 承 架 LK	汽蚀 余量 NPSH (m)	比重 γ=1.00		比重 γ=1.35		比重 γ=1.84	
							电机功率及型号 Motor Power and Model				电机功率及型号 Motor Power and Model							电机功率及型号 Motor Power and Model					
							kW	Model	kW	Model	kW	Model						kW	Model	kW	Model	kW	Model
ZA50-400	A	82	194	48	3	2	110	Y315S-2	160	Y315M2-2			41	49	45	2	0.5	15	Y160M-4	22	Y180L-4	30	Y200L-4
	B	78	175				90	Y280M-2	132	Y315M1-2	160	Y315M2-2	39	43				18.5	Y180M-4	22	Y180L-4		
	C	70	140				75	Y280S-2	90	Y280M-2	132	Y315M1-2	35	34				11	Y132M-4	15	Y160L-4	18.5	Y180M-4
	D	60	102				45	Y225M-2	75	Y280S-2	90	Y280M-2	30	25				7.5	Y100L1-4	11	Y160M-4	15	Y160L-4
ZA80-160	A	94	32	2	2		15	Y160M2-2	18.5	Y160L-2	30	Y200L1-2	47	8	2			2.2	Y100L1-4	3	Y100L2-4	4	Y112M-
	B	85	28				11	Y160M1-2	15	Y160M2-2	18.5	Y160L-2	42	7				2.2	Y100L1-4	3	Y100L2-4		
	C	76	23				11	Y160M1-2	15	Y160M2-2	38	5.5	1.5	Y90L-4					2.2	Y100L1-4			
	D	66	17				5.5	Y132S1-2	7.5	Y132S2-2	11	Y160M1-2	34	4				1.1	Y90S-4	1.1	Y90S-4	1.5	Y90L-
ZA80-200	A	103	54	1	1		30	Y200L1-2	37	Y200L2-2			51	13.5	1			4	Y112M-4	5.5	Y132S-4	7.5	Y132M-4
	B	95	48				22	Y180M-2	30	Y200L1-2	37	Y200L2-2	47	12				3	Y100L2-4	4	Y112M-4	5.5	Y132S-4
	C	84	38				15	Y160M2-2	22	Y180M-2	30	Y200L1-2	41	9.5				2.2	Y100L1-4	3	Y100L2-4	4	Y112M-4
	D	70	30				11	Y160M1-2	15	Y160M2-2	22	Y180M-2	36	7.5				1.5	Y90L-4	2.2	Y100L1-4	3	Y100L2-4
ZA80-250	A	127	82	2	2		45	Y225M-2	75	Y280S-2	90	Y280M-2	64	20	2			7.5	Y132M-4	11	Y160M-4	15	Y160L-4
	B	120	76				55	Y250M-2	75	Y280S-2	60	19	7.5	Y132M-4				11	Y160M-4				
	C	105	59				30	Y200L1-2	45	Y225M-2	55	Y250M-2	52	14.5				4	Y112M-4	5.5	Y132S-4	7.5	Y132M-4
	D	87	45				22	Y180M-2	30	Y200L1-2	37	Y200L2-2	46	11				3	Y100L2-4	4	Y112M-4	5.5	Y132S-4
ZA80-315	A	141	127	2	2		90	Y280M-2					70	33	2			15	Y160L-4	18.5	Y180M-4	22	Y180L-4
	B	135	121				75	Y280S-2					66	30				11	Y160M-4	15	Y160L-4		
	C	115	97				55	Y250M-2	75	Y280S-2			56	24				5.5	Y132S-4	7.5	Y132M-4	11	Y160M-4
	D	90	74				37	Y200L2-2	45	Y225M-2	75	Y280S-2	45	18				11	Y160M-4	15	Y160L-4		
ZA80-400	A	171	187	3	3		160	Y315M2-2					85	46	2			22	Y180L-4	30	Y200L-4	45	Y225M-4
	B	159	170										80	42				18.5	Y180M-4		37	Y225S-4	
	C	135	130				90	Y280M-2	132	Y315M1-2			65	33				15	Y160L-4	18.5	Y180M-4	30	Y200L-4
	D	116	95				75	Y280S-2	90	Y280M-2	132	Y315M1-2	53	25				11	Y160M-4	15	Y160L-4	18.5	Y180M-4
ZA100-160	A	162	29	2	2		22	Y180M-2	30	Y200L1-2	37	Y200L2-2	81	7.2	2			3	Y100L2-4	4	Y112M-4	5.5	Y132S-4
	B	150	24				15	Y160M2-2	22	Y180M-2	30	Y200L1-2	73	6				2.2	Y100L1-4	3	Y100L2-4	4	Y112M-4
	C	130	17				11	Y160M1-2	15	Y160M1-2	18.5	Y160L-2	63	4.3				1.5	Y90L-4	2.2	Y100L1-4	3	Y100L2-4
	D	110	12				7.5	Y132S2-2	11	Y160M1-2	15	Y160M2-2	55	3				1.1	Y90S-4	1.5	Y90L-4	2.2	Y100L1-4
ZA100-200	A	193	50	2	2		45	Y225M-2	55	Y250M-2	75	Y280S-2	95	12.5	2			5.5	Y132S-4	7.5	Y132M-4	11	Y160M-4
	B	180	44				37	Y200L2-2	45	Y225M-2			90	10.5				4	Y112M-4	5.5	Y132S-4	7.5	Y132M-4
	C	155	35				30	Y200L1-2	37	Y200L2-2	45	Y225M-2	80	8.5				3	Y100L2-4	3	Y100L2-4	4	Y112M-4
	D	135	26				18.5	Y160L-2	30	Y200L1-2	37	Y200L2-2	70	6				11	Y160M-4	15	Y160L-4		
ZA100-250	A	230	79	2	2		75	Y280S-2	90	Y280M-2			115	20	2			11	Y160M-4	15	Y160L-4	18.5	Y180M-4
	B	218	73										110	18				11	Y160M-4	15	Y160L-4		
	C	190	58				45	Y225M-2	75	Y280S-2	90	Y280M-2	100	14				7.5	Y132M-4	11	Y160M-4		
	D	170	44				37	Y200L2-2	45	Y225M-2	75	Y280S-2	90	10				5.5	Y132S-4	7.5	Y132M-4	7.5	Y132M-4
ZA100-315	A	250	126	3	3		132	Y315M1-2					125	31	2			18.5	Y180M-4	30	Y200L-4	37	Y225S-4
	B	240	120				160	Y315M2-2					119	29				22	Y180L-4	30	Y200L-4		
	C	203	97				90	Y280M-2	132	Y315M1-2	160	Y315M2-2	104	24				15	Y160L-4	18.5	Y180M-4	22	Y180L-4
	D	170	71				75	Y280S-2	75	Y280S-2	110	Y315S-2	86	17.5				11	Y160M-4	11	Y160M-4	15	Y160L-4
ZA100-400	A	300	194	4	4								150	48	3			37	Y225S-4	45	Y225M-4	75	Y280S-4
	B	290	180										145	44				30	Y200L-4		55	Y250M-4	
	C	260	145										130	36				22	Y180L-4	30	Y200L-4	45	Y225M-4
	D	224	105				110	Y315S-2	160	Y315M2-2			115	26				15	Y160L-4	22	Y180L-4	30	Y200L-4
ZA150-315	A	442	125	82.5	3	7							220	32.5	81	3	1.7	30	Y200L-4	45	Y225M-4	55	Y250M-4
	B	430	120										210	30				37	Y225S-4				
	C	372	94				160	Y315M2-2					180	24				22	Y180L-4	30	Y200L-4	37	Y225S-4
	D	310	68				90	Y280M-2	132	Y315M1-2	160	Y315M2-2	150	17				15	Y160L-4	18.5	Y180M-4	22	Y180L-4

性能参数 PERFORMANCE PARAMETER

型号 Model	叶 轮 型 式	额定转速 Rated Speed (n=2900r/min)												额定转速 Rated Speed (n=1450r/min)											
		流量 Flow Q (m³/h)	扬程 Head H (m)	效率 Eff. η (%)	轴 承 架 LK	汽蚀 余量 NPSH (m)	比重 γ=1.00		比重 γ=1.35		比重 γ=1.84		流量 Flow Q (m³/h)	扬程 Head H (m)	效率 Eff. η (%)	轴 承 架 LK	汽蚀 余量 NPSH (m)	比重 γ=1.00		比重 γ=1.35		比重 γ=1.84			
							电机功率及型号 Motor Power and Model				电机功率及型号 Motor Power and Model							比重 γ=1.00		比重 γ=1.35		比重 γ=1.84			
							kW	Model	kW	Model	kW	Model						kW	Model	kW	Model	kW	Model	kW	Model
ZA150-400	A	520	205	78.5	4	7							260	51	77	3	1.8	55	Y250M-4	75	Y280S-4	110	Y315S-4		
	B	498	190										250	48				90	Y280M-4						
	C	453	151										225	38				37	Y225S-4	55	Y250M-4	75	Y280S-4		
	D	400	113										200	28				30	Y200L-4	37	Y225S-4	55	Y250M-4		
ZA150-500	A												300	77	74	3	2	110	Y315S-4	132	Y315M1-4				
	B												283	72				90	Y280M-4	132	Y315M1-4	160	Y315M2-4		
	C												233	59				75	Y280S-4	90	Y280M-4	110	Y315S-4		
	D												208	45				45	Y225M-4	75	Y280S-4	75	Y280S-4		
ZA150-560	A												335	104	74.5	4	2.4	160	Y315M2-4						
	B												315	97				132	Y315M1-4						
	C												260	80				90	Y280M-4	132	Y315M1-4	160	Y315M2-4		
	D												212	60				75	Y280S-4	90	Y280M-4	110	Y315S-4		
ZA150-630	A												360	115	63	4	2.4								
	B												338	106											
	C												274	82				132	Y315M1-4	160	Y315M2-4				
	D												220	60				75	Y280S-4	110	Y315S-4	160	Y315M2-4		
ZA200-250	A	610	72	84.5	3	9	160	Y315M2-2					305	17.5	83.5	3	2.4	22	Y180L-4	30	Y200L-4	45	Y225M-4		
	B	580	65				160	Y315M2-2					290	16				18.5	Y180M-4	30	Y200L-4	37	Y225S-4		
	C	520	47				110	Y315S-2	132	Y315M1-2			260	12				15	Y160L-4	19	Y180M-4	30	Y200L-4		
	D	470	32				75	Y280S-2	90	Y280M-2	110	Y315S-2	240	8				11	Y160M-4	15	Y160L-4	15	Y160M-4		
ZA200-315	A	710	122	85.5	4	8.6							350	30	84.5	3	2	45	Y225M-4	55	Y250M-4	75	Y280S-4		
	B	680	114										340	29				37	Y225S-4	55	Y250M-4	75	Y280S-4		
	C	600	87										300	22				30	Y200L-4	37	Y225S-4	55	Y250M-4		
	D	480	65				132	Y315M1-2					250	15				18.5	Y180M-4	22	Y180L-4	30	Y200L-4		
ZA200-400	A	850	203	82	5	13							426	50	81	3	3.5	90	Y280M-4	110	Y315S-4	160	Y315M2-4		
	B	830	150										410	47				75	Y280S-4	110	Y315S-4	132	Y315M1-4		
	C	750	145										370	36.5				55	Y250M-4	75	Y280S-4	110	Y315S-4		
	D	670	106										332	27				45	Y225M-4	55	Y250M-4	75	Y280S-4		
ZA200-500	A												495	84	81	4	2.9								
	B												470	79				160	Y315M2-4						
	C												400	63				110	Y315S-4	160	Y315M2-4				
	D												330	48				75	Y280S-4	90	Y280M-4	132	Y315M1-4		
ZA200-560	A												540	105	78.5	5	3								
	B												510	98											
	C												460	81				160	Y315M2-4						
	D												350	62				110	Y315S-4	132	Y315M1-4				
ZA200-630	A												580	132	77.5	5	3.5								
	B												550	125											
	C												468	100											
	D												372	75				132	Y315M1-4						
ZA250-315	A												545	27	86.5	3	2.9	55	Y250M-4	75	Y280S-4	110	Y315S-4		
	B												528	25				55	Y250M-4	75	Y280S-4	90	Y280M-4		
	C												480	19				37	Y225S-4	55	Y250M-4	75	Y280S-4		
	D												434	13				30	Y200L-4	37	Y225S-4	45	Y225M-4		
ZA250-400	A												660	49	87.5	5	3.2	132	Y315M1-4	160	Y315M2-4				
	B												630	46				110	Y315S-4						
	C												565	36				75	Y280S-4	110	Y315S-4	160	Y315M2-4		
	D												500	24				55	Y250M-4	75	Y280S-4	90	Y280M-4		

性能参数 PERFORMANCE PARAMETER

型号 Model	叶 轮 型 式	额定转速 Rated Speed (n=2900r/min)										额定转速 Rated Speed (n=1450r/min)											
		流量 Flow Q (m³/h)	扬程 Head H (m)	效率 Eff. η (%)	轴 承 架 LK	汽蚀 余量 NPSH (m)	比重 γ=1.00		比重 γ=1.35		比重 γ=1.84		流量 Flow Q (m³/h)	扬程 Head H (m)	效率 Eff. η (%)	轴 承 架 LK	汽蚀 余量 NPSH (m)	比重 γ=1.00		比重 γ=1.35		比重 γ=1.84	
							电机功率及型号 Motor Power and Model				电机功率及型号 Motor Power and Model							电机功率及型号 Motor Power and Model					
							kW	Model	kW	Model	kW	Model						kW	Model	kW	Model	kW	Model
ZA250-500	A											880	82	83	5	5							
	B											770	76										
	C											700	58				160	Y315M2-4					
	D											630	42				110	Y315S-4	160	Y315M2-4			
ZA250-560	A											860	106	82	5	4.2							
	B											830	98										
	C											760	78										
	D											665	57				160	Y315M2-4					
ZA250-630	A											855	128	80.5	6	4.2							
	B											816	119										
	C											720	96										
	D											625	71										
ZA300-400	A											1050	48	87	4	5.8							
	B											1010	45				160	Y315M2-4					
	C											900	34				132	Y315M1-4	160	Y315M2-4	160	Y315M2-4	
	D											780	26				90	Y280M-4	132	Y315M1-4			
ZA300-500	A											1240	78	88	5	5.8							
	B											1170	75										
	C											1015	57										
	D											870	42				160	Y315M2-4					
ZA300-560	A											1340	104	87	6	5.2							
	B											1280	97										
	C											1140	77										
	D											950	56										
ZA300-630	A											1450	132	85	6	5.5							
	B											1375	125										
	C											1170	100										
	D											950	75										
ZA400-500	A											1870	74	88	6	6.3							
	B											1800	70										
	C											1520	52										
	D											1300	38										
ZA400-560	A											2040	98	88	6	7.5							
	B											1950	91										
	C											1760	74										
	D											1500	54										
ZA400-630	A											2390	125	88	7	8.3							
	B											2280	117										
	C											1960	95										
	D											1610	70										

注意: 1. 订货合同在泵型号上还应注明叶轮型式及轴承支架号, 例如: 选取 ZA40-250, 叶轮型式为 A, 1号轴承支架, 应写成 ZA40-1250A。

2. 表中有流量、扬程值而无功率值的泵, 其功率超过 160kW, 需在订货时当面确定。

Note: 1. The type of impeller and No. of bearing bracket should be noted for the pump size in the ordering contract. etc, when ZA40-250 is selected, the impeller size should be A1, ZA40-1250A. It should be bearing bracket No.

2. If there is the value of flow and head but without the power value of pumps in the list. When their power values exceed 160kW. It should be made sure when ordering.



概述 GENERAL

IH/IS 系列泵是单级单吸离心泵，其标记、额定性能点及外形尺寸等效采用国际标准ISO2858 所规定的性能和尺寸设计的，具有效率高，结构紧凑，性能可靠，使用维修方便等特点。

IH/IS series single-stage single-suction centrifugal pump, its rating performance and size are developed according ISO2858, the pump's structure is compact, efficiency is high, easy to repair.

应用范围 APPLIED RANGE

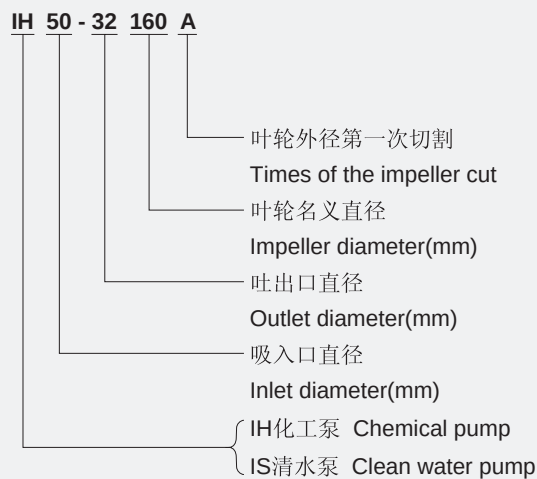
IH 系列化工泵过流部件为不锈钢，适用于输送温度在20℃~150℃之间的腐蚀性介质或物理、化学性质类似于水的介质。广泛应用于石油、化工、汽车制造、有色金属、军工科研、食品、电站、冶金、造纸、制药、合成纤维等行业，是一种用以取代FB型耐腐蚀泵的节能产品。

IS 系列清水泵过流部件为铸铁，供输送温度不高于80℃的清水或物理、化学性质类似于清水的液体之用，适用于工业与城市给水、排水及农田灌溉等。

The wearing part of IH series is stainless steel, the pump can be used to transfer the corrosive medium, or the physics and chemical feature is similar to water which temperature should be -20℃~150℃. Widely apply to petroleum, chemical industry, automotive industry, Nonferrous metal, food, power station, metallurgy, paper manufacturing industry, pharmaceuticals industry, synthetic fiber in dustry, etc.

The wearing part of IS series pump is cast iron, the work temperature should be below 80℃, chemical feature is similar to water, it can be used in industry, municipal water supply, irrigation.

型号意义 MEANING OF THE MODEL

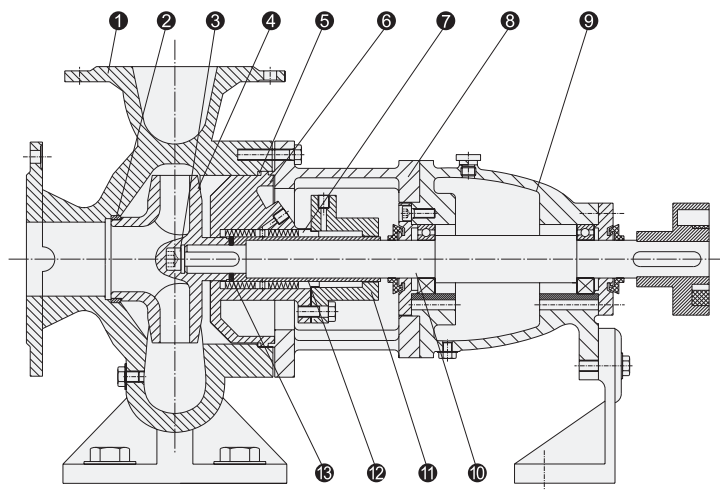


使用参数 OPERATION PARAMETER

- 口径: DN50~DN200mm
- 流量: 3.5~460m³/h
- 扬程: 4~132m
- 转速: 2900r/min; 1450r/min
- 工作温度: ≤150℃
- 粘度: ≤150mm²/s
- 压力: ≤1.6MPa
- 电机功率: 0.55~110kW

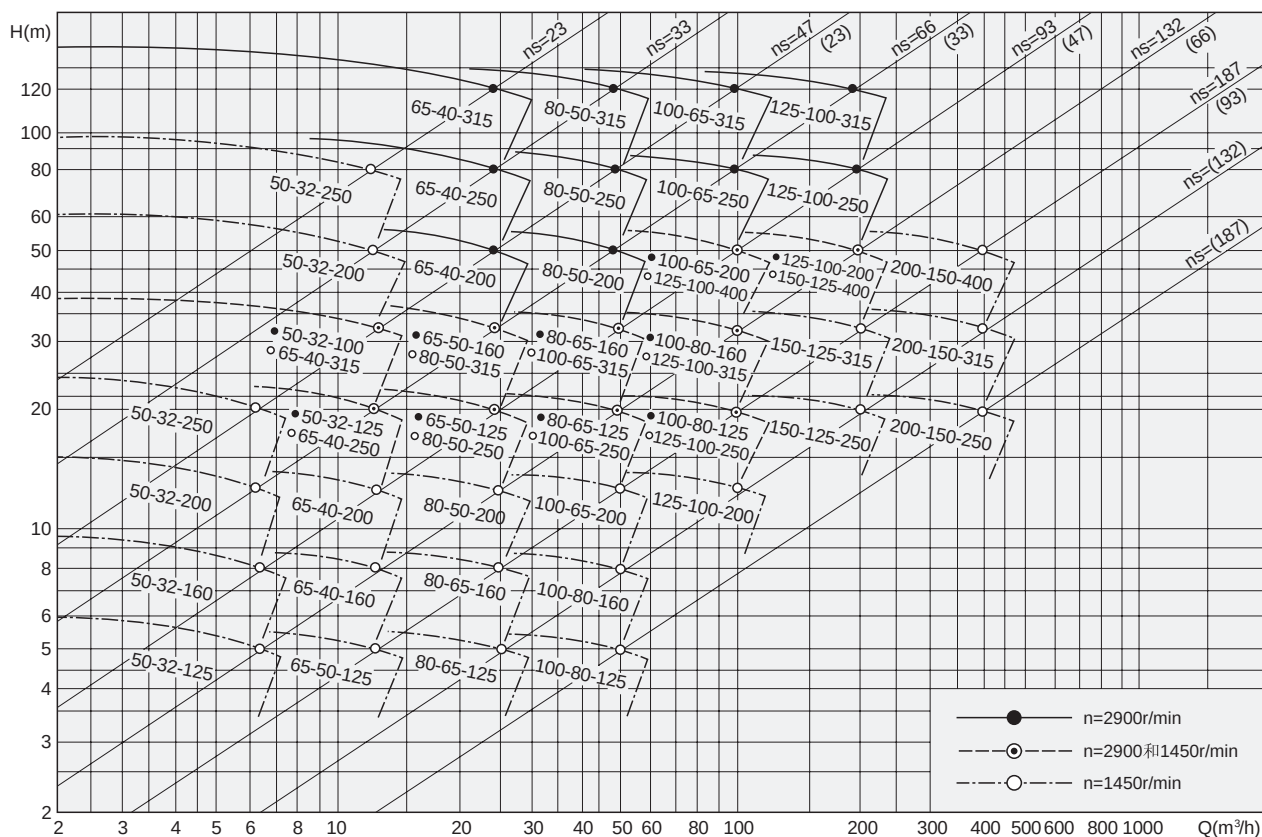
- Caliber: DN50~DN200mm
- Capacity: 3.5~460m³/h
- Head: 4~132m
- Rotate speed: 2900r/min; 1450r/min
- Work temperature: ≤150℃
- Viscosity: ≤150mm²/s
- Pressure: ≤1.6Mpa
- Motor power: 0.55~110kW

结构示意图 SKETCH MAP OF STRUCTURE



1	泵壳	Casing
2	口环	Mouth ring
3	叶轮螺母	Impeller nut
4	叶轮	Impeller
5	密封圈	Seal ring
6	泵盖	Pump cover
7	机械密封	Mechanical seal
8	联接架	Connect frame
9	悬架体	Bracket
10	泵轴	Shaft
11	机械密封端盖	Mechanical seal cover
12	轴套	Shaft sleeve
13	密封圈	Seal ring

型谱图 PERFORMANCE CURVE



性能参数 PERFORMANCE PARAMETER

型号 Model	转速 Speed (r/min)	流量 Flow		扬程 Head (m)	效率 Efficiency (%)	功率 Power (kW)		必需汽蚀余量 (NPSH)r (m)	总重 Weight (kg)
		(m³/h)	(L/s)			轴功率 Shaft Power	电机功率 Motor Power		
50-32-125	2900	7.5	2.08	23	43	1.09	2.2	2	45
		12.5	3.47	20	51	1.33		2	
		15	4.17	18	49	1.50		2.5	
	1450	3.75	1.04	5.75	36	0.16	0.55	2	
		6.3	1.75	5	45	0.19		2	
		7.5	2.08	4.5	44	0.21		2.5	
50-32-125A	2900	6.8	1.89	18.8	40	0.87	1.5	2	
		11.3	3.14	16.4	50	1.01		2	
		13.6	3.78	14.7	47	1.16		2.5	
	1450	3.4	0.94	4.7	33.3	0.13	0.55	2	
		5.7	1.58	4.1	43	0.15		2	
		6.8	1.89	3.7	42	0.16		2.5	
50-32-160	2900	7.5	2.08	34.5	33	2.13	3	2	48
		12.5	3.47	32	46	2.37		2	
		15	4.17	30	50	2.45		2.5	
	1450	3.75	1.04	8.6	29	0.3	0.55	2	
		6.3	1.75	8	40	0.34		2	
		7.5	2.08	7.5	43	0.36		2.5	
50-32-160A	2900	6.8	1.89	28.5	30	1.76	3	2	
		11.3	3.14	26.4	44	1.85		2	
		13.6	3.78	24.8	48	1.91		2.5	
	1450	3.4	0.94	7.1	25.9	0.25	0.55	2	
		5.7	1.58	6.6	37.1	0.28		2	
		6.8	1.89	6.2	41	0.28		2.5	
50-32-200	2900	7.5	2.08	51.8	28	3.78	5.5	2	58
		12.5	3.47	50	39	4.36		2	
		15	4.17	48	43	4.56		2.5	
	1450	3.75	1.04	12.9	23	0.57	1.1	2	
		6.3	1.75	12.5	33	0.65		2	
		7.5	2.08	12	36	0.68		2.5	
50-32-200A	2900	6.8	1.89	42.7	25	3.16	4	2	
		11.3	3.14	41	38	3.24		2	
		13.6	3.78	39.5	41	3.57		2.5	
	1450	3.4	0.94	10.6	20	0.49	0.75	2	
		5.7	1.58	10.3	31	0.52		2	
		6.8	1.89	9.9	34	0.54		2.5	
50-32-250	2900	7.5	2.08	82	23	7.28	11	2	92
		12.5	3.47	80	33	8.25		2	
		15	4.17	78.5	36.5	8.79		2.5	
	1450	3.75	1.04	20.5	17	1.23	2.2	2	
		6.3	1.75	20	27	1.27		2	
		7.5	2.08	19.6	31	1.29		2.5	
50-32-250A	2900	7	1.94	71.9	20	6.84	11	2	
		11.7	3.25	70	32	6.97		2	
		14	3.89	68.8	34	7.71		2.5	
	1450	3.51	0.98	18	15.4	1.12	1.5	2	
		5.9	1.64	17.5	25	1.25		2	
		7.02	1.95	17.2	27.9	1.18		2.5	

性能参数 PERFORMANCE PARAMETER

型号 Model	转速 Speed (r/min)	流量 Flow		扬程 Head (m)	效率 Efficiency (%)	功率 Power (kW)		必需汽蚀余量 (NPSH)r (m)	总重 Weight (kg)
		(m³/h)	(L/s)			轴功率 Shaft Power	电机功率 Motor Power		
50-32-250B	2900	6.6	1.83	63.6	20	5.71	7.5	2	92
		11	3.06	62	30	6.19		2	
		13.2	3.67	60.9	33	6.64		2.5	
65-50-125	2900	15	4.17	21.3	47	1.85	3	2	46
		25	6.94	20	62	2.2		2	
		30	8.33	18.6	63	2.41		2.5	
	1450	7.5	2.08	5.4	44	0.25	0.55	2	
		12.5	3.47	5	55	0.31		2	
		15	4.17	4.5	56	0.33		2.5	
65-50-125A	2900	13.6	3.78	17.6	44	1.48	2.2	2	46
		22.7	6.31	16.5	61	1.67		2	
		27.3	7.58	15.4	59.9	1.91		2.5	
	1450	6.8	1.89	4.5	41	0.20	0.55	2	
		11.3	3.14	4.1	54	0.23		2	
		13.6	3.78	3.7	53	0.26		2.5	
65-50-160	2900	15	4.17	34.2	44	3.18	5.5	2	52
		25	6.94	32	57	3.82		2	
		30	8.33	30	59	4.15		2.5	
	1450	7.5	2.08	8.55	39	0.45	0.75	2	
		12.5	3.47	8	51	0.53		2	
		15	4.17	7.5	52.5	0.58		2.5	
65-50-160A	2900	13.6	3.78	28.4	41	2.56	4	2	52
		22.7	6.31	26.5	56	2.93		2	
		27.3	7.58	24.8	56	3.29		2.5	
	1450	6.8	1.89	7.09	35.5	0.37	0.55	2	
		11.3	3.14	6.6	49.6	0.41		2	
		13.6	3.78	6.2	49.9	0.46		2.5	
65-40-200	2900	15	4.17	53.2	41	5.3	11	2	62
		25	6.94	50	52	6.55		2	
		30	8.33	47.6	53.5	7.27		2.5	
	1450	7.5	2.08	13.3	35	0.78	1.5	2	
		12.5	3.47	12.5	46	0.93		2	
		15	4.17	11.9	47.5	1.02		2.5	
65-40-200A	2900	13.6	3.78	43.9	38	4.28	7.5	2	62
		22.7	6.31	41	50	5.07		2	
		27.3	7.58	39.3	51	5.73		2.5	
	1450	6.8	1.89	11	31.8	0.64	1.1	2	
		11.3	3.14	10.3	44	0.72		2	
		13.6	3.78	9.8	44.8	0.81		2.5	
65-40-250	2900	15	4.17	81.2	34	9.76	15	2	98
		25	6.94	80	46	11.84		2	
		30	8.33	78.4	50	12.8		2.5	
	1450	7.5	2.08	20.3	28	1.48	3	2	
		12.5	3.47	20	39	1.75		2	
		15	4.17	19.6	43	1.86		2.5	
65-40-250A	2900	14	3.89	74.8	31	9.21	15	2	98
		23.4	6.5	71	45	10.1		2	
		28	7.78	68.6	47	11.13		2.5	

性能参数 PERFORMANCE PARAMETER

型号 Model	转速 Speed (r/min)	流量 Flow		扬程 Head (m)	效率 Efficiency (%)	功率 Power (kW)		必需汽蚀余量 (NPSH)r (m)	总重 Weight (kg)
		(m³/h)	(L/s)			轴功率 Shaft Power	电机功率 Motor Power		
65-40-250A	1450	7	1.94	17.8	25	1.35	2.2	2	98
		11.7	3.25	17.5	37.9	1.47		2	
		14	3.89	17.2	40	1.64		2.5	
65-40-250B	2900	13.2	3.67	62.8	31	7.29	11	2	
		22	6.11	61.8	44	8.42		2	
		26.4	7.33	53	45	8.45		2.5	
65-40-315	2900	15	4.17	126.8	28	18.51	30	2	115
		25	6.94	125	39	21.8		2	
		30	8.33	124	42.5	23.85		2.5	
	1450	7.5	2.08	32.4	22	3.03	5.5	2	
		12.5	3.47	32	33	3.3		2	
		15	4.17	31.7	37	3.5		2.5	
65-40-315A	2900	14	3.89	111.2	25	16.97	30	2	
		23.4	6.5	109.5	38	18.36		2	
		28	7.78	108.8	40	20.75		2.5	
	1450	7	1.94	28.4	22	2.46	4	2	
		11.7	3.25	28	33	2.71		2	
		14	3.89	27.8	37	2.87		2.5	
65-40-315B	2900	13.2	3.67	98	24	14.69	22	2	
		22	6.11	96.5	37	15.63		2	
		26.4	7.33	95.9	39	17.67		2.5	
80-65-125	2900	30	8.33	23.2	60	3.16	5.5	3	51
		50	13.89	20	69	3.95		3	
		60	16.67	17.6	67	4.29		4	
	1450	15	4.17	5.8	54	0.44	0.75	2.5	
		25	6.94	5	64	0.53		2.5	
		30	8.33	4.4	62	0.58		3	
80-65-125A	2900	27.2	7.56	19.1	57	2.48	4	3	
		45.3	12.58	16.5	67	3.04		3	
		54.4	15.11	14.5	64	3.36		4	
	1450	13.6	3.78	4.8	51	0.35	0.55	2.5	
		22.6	6.28	4.1	62	0.41		2.5	
		27.2	7.56	3.6	59	0.45		3	
80-65-160	2900	30	8.33	36	57	5.16	11	2	56
		50	13.89	32	67	6.51		2.3	
		60	16.67	28.4	65	7.14		3.3	
	1450	15	4.17	9	50	0.74	1.5	2	
		25	6.94	8	62	0.88		2.3	
		30	8.33	7.2	62	0.95		3.3	
80-65-160A	2900	27.2	7.56	29.7	54	4.08	7.5	2	
		45.4	12.61	26.4	65	5.02		2.3	
		54.4	15.11	23.4	62	5.59		3.3	
	1450	13.6	3.78	7.4	47.3	0.58	1.1	2	
		22.7	6.31	6.6	60	0.68		2.3	
		27.2	7.56	5.9	59	0.74		3.3	
80-50-200	2900	30	8.33	55.2	53	8.51	15	2	64
		50	13.89	50	63	10.81		2.5	
		60	16.67	45.2	62	11.92		3.2	

性能参数 PERFORMANCE PARAMETER

型号 Model	转速 Speed (r/min)	流量 Flow		扬程 Head (m)	效率 Efficiency (%)	功率 Power (kW)		必需汽蚀余量 (NPSH)r (m)	总重 Weight (kg)
		(m³/h)	(L/s)			轴功率 Shaft Power	电机功率 Motor Power		
80-50-200	1450	15	4.17	13.5	44	1.25	2.2	2	64
		25	6.94	12.5	57	1.49		2	
		30	8.33	11.5	58	1.62		2.5	
80-50-200A	2900	27.2	7.56	45.4	50	6.73	11	2	
		45.3	12.58	41	61	8.29		2.5	
		54.4	15.11	37.2	59	9.35		3.2	
	1450	13.6	3.78	11.1	41	1	2.2	2	
		22.7	6.31	10.3	56.1	1.14		2	
		27.2	7.56	9.5	55	1.28		2.5	
80-50-250	2900	30	8.33	84	43	16	30	2	102
		50	13.89	80	53	20.57		2.5	
		60	16.67	75	54	22.71		3.2	
	1450	15	4.17	21	40	2.15	5.5	2	
		25	6.94	20	50	2.72		2	
		30	8.33	18.8	51	3.01		2.5	
80-50-250A	2900	27.2	7.56	69	42	12.18	22	2	
		45.3	12.58	65.7	52	15.61		2.5	
		54.4	15.11	61.6	52	17.57		3.2	
	1450	13.6	3.78	17.3	40	1.6	3	2	
		22.7	6.31	16.4	49	2.07		2	
		27.2	7.56	15.4	50	2.28		2.5	
80-50-315	2900	30	8.33	128	38	27.54	45	2.5	110
		50	13.89	125	50	34.1		2.5	
		60	16.67	123	53	37.94		3	
	1450	15	4.17	32.5	37	3.59	7.5	2.5	
		25	6.94	32	48	4.54		2.5	
		30	8.33	31.5	52	4.94		3	
80-50-315A	2900	27.2	7.56	105	37	21	37	2.5	
		45.3	12.58	102.6	48	26.4		2.5	
		54.4	15.11	101	50	29.94		3	
	1450	13.6	3.78	26.3	36	2.71	5.5	2.5	
		22.7	6.31	25.7	46	3.46		2.5	
		27.2	7.56	25.2	50	3.74		3	
100-80-125	2900	60	16.67	23.7	65	5.96	11	3	56
		100	27.78	20	73	7.47		4.2	
		120	33.33	16.3	69	7.72		4.8	
	1450	30	8.33	5.7	58	0.8	1.5	3	
		50	13.89	5	69	0.99		3.4	
		60	16.67	4.1	68	0.99		3.7	
100-80-125A	2900	55	15.28	19.4	62	4.68	7.5	3	
		91.8	25.5	16.8	71	5.92		4.2	
		109	30.28	13.7	67	6.07		4.8	
	1450	27.5	7.64	5	56	0.67	1.1	3	
		45.9	12.75	4.2	67	0.78		3.4	
		54.5	15.13	3.4	65	0.78		3.7	
100-80-160	2900	60	16.67	37	60	10.1	15	3.8	86
		100	27.78	32	73	11.9		4.3	
		120	33.33	28	73	12.54		5	

性能参数 PERFORMANCE PARAMETER

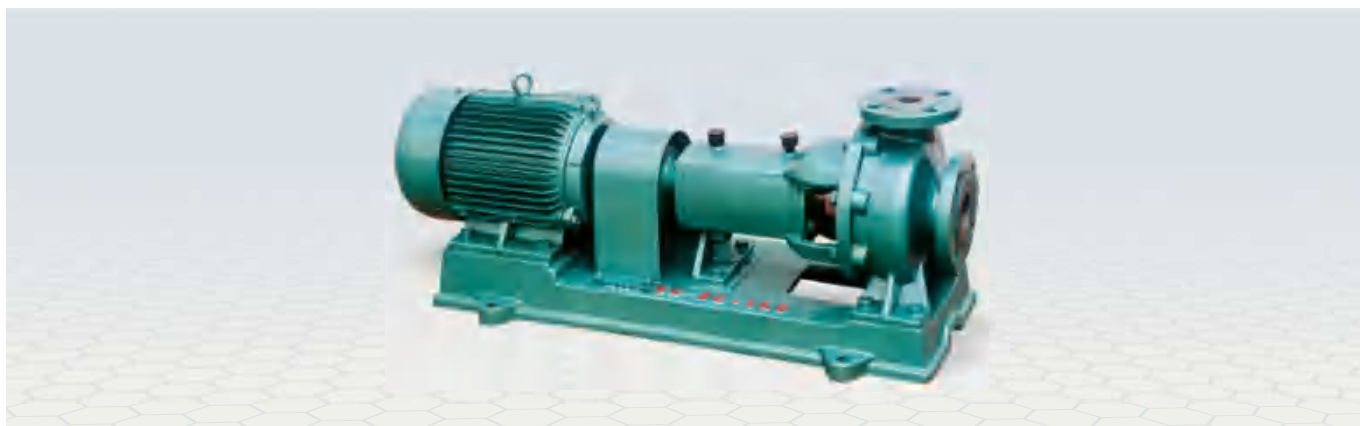
型号 Model	转速 Speed (r/min)	流量 Flow		扬程 Head (m)	效率 Efficiency (%)	功率 Power (kW)		必需汽蚀余量 (NPSH)r (m)	总重 Weight (kg)
		(m³/h)	(L/s)			轴功率 Shaft Power	电机功率 Motor Power		
100-80-160	1450	30	8.33	9.25	58	1.3	2.2	3	86
		50	13.89	8	69	1.58		3.4	
		60	16.67	7	68	1.68		3.7	
100-80-160A	2900	54.6	15.17	30.6	57	7.98	15	3.8	
		91	25.28	26.5	71	9.25		4.3	
		109.2	30.33	23.2	70.4	9.85		5	
	1450	27.3	7.58	7.66	55.3	1.03	1.5	3	
		45.5	12.64	6.6	67	1.22		3.4	
		54.6	15.17	5.8	65.3	1.32		3.7	
100-65-200	2900	60	16.67	56	63	14.53	22	3.4	95
		100	27.78	50	72	18.92		3.9	
		120	33.33	44	71	20.26		5.2	
	1450	30	8.33	14	60	1.91	3	2.5	
		50	13.89	12.5	68	2.5		2.5	
		60	16.67	11	63	2.85		3	
100-65-200A	2900	54.6	15.17	46.5	60.1	11.51	18.5	3.4	
		91	25.28	41.5	70	14.7		3.9	
		109.2	30.33	36.6	68	16		5.2	
	1450	27.3	7.58	11.6	57	1.51	3	2.5	
		45.5	12.64	10.3	66	1.93		2.5	
		54.6	15.17	9.1	60.1	2.25		3	
100-65-250	2900	60	16.67	88	57	25.24	37	3	114
		100	27.78	80	68	32.06		3.6	
		120	33.33	74	67	36.12		4.5	
	1450	30	8.33	22	50	3.63	5.5	2.5	
		50	13.89	20	63	4.33		2.5	
		60	16.67	18.5	64	4.73		3	
100-65-250A	2900	56.1	15.58	77	54	21.8	37	3	
		93.5	25.97	70	65	27.44		3.6	
		112.2	31.17	64.7	64	30.91		4.5	
	1450	28	7.79	19.2	47	3.12	5.5	2.5	
		45.5	12.64	17.4	61	3.53		2.5	
		56	15.56	16.2	60.9	4.06		3	
100-65-250B	2900	52.7	14.64	67.9	53.3	18.29	30	3	165
		87.8	24.39	61.7	64	23.1		3.6	
		105.4	29.28	57	62.9	26.03		4.5	
100-65-315	2900	60	16.67	132	48	44.96	75	2.8	
		100	27.78	125	62	54.94		3.2	
		120	33.33	119	64	60.8		4.2	
	1450	30	8.33	33.5	44	6.22	11	2	
		50	13.89	32	58	7.52		2	
		60	16.67	30.5	60	8.31		2.5	
100-65-315A	2900	56.1	15.58	115.5	45	39.2	75	2.8	
		93.5	25.97	109	61	45.53		3.2	
		112.2	31.17	104	61	52.13		4.2	
	1450	28	7.789	29.3	41	5.46	11	2	
		46.5	12.92	28	56	6.33		2	
		56	15.56	26.7	57	7.15		2.5	

性能参数 PERFORMANCE PARAMETER

型号 Model	转速 Speed (r/min)	流量 Flow		扬程 Head (m)	效率 Efficiency (%)	功率 Power (kW)		必需汽蚀余量 (NPSH)r (m)	总重 Weight (kg)
		(m³/h)	(L/s)			轴功率 Shaft Power	电机功率 Motor Power		
100-65-315B	2900	52.7	14.64	102	44	33.29	55	2.8	165
		88	24.44	97	60	38.77		3.2	
		105.4	29.28	92	60	44.04		4.2	
125-100-200	2900	120	33.33	61	68	29.33	45	4.5	98
		200	55.56	50	77	35.39		5	
		240	66.67	41	70	38.3		5.8	
	1450	60	16.67	15.25	64	3.89	7.5	2.5	
		100	27.78	12.5	73	4.66		2.9	
		120	33.33	10.25	66	5.08		3.6	
125-100-200A	2900	109.1	30.31	50.5	64.9	23.13	37	4.5	98
		182	50.56	41.4	75	27.38		5	
		218.2	60.61	34	67.1	30.13		5.8	
	1450	54.7	15.19	12.6	61	3.08	5.5	2.5	
		91	25.28	10.3	71	3.6		2.9	
		109.4	30.39	8.5	63	4.02		3.6	
125-100-250	2900	120	33.33	90	62	47.48	75	3.7	150
		200	55.56	80	75	58.13		4.5	
		240	66.67	73	74	64.52		5.5	
	1450	60	16.67	22.5	59	6.23	11	2	
		100	27.78	20	72	7.56		2.3	
		120	33.33	18.25	71	8.4		3	
125-100-250A	2900	112	31.11	78	59	40.35	75	3.7	150
		186.5	51.81	69.5	73	48.35		4.5	
		224	62.22	63.5	71	54.59		5.5	
	1450	56	15.56	19.5	56	5.31	11	2	
		93	25.83	17.4	70	6.29		2.3	
		112	31.11	15.9	68	7.13		3	
125-100-250B	2900	105.5	29.31	69	58	34.2	55	3.7	150
		175.5	48.75	61.5	71	41.42		4.5	
		211	58.61	56	69.9	46.06		5.5	
125-100-315	2900	120	33.3	132.5	52.6	82.37	110	4	165
		200	55.6	125	72	94.62		4.5	
		240	66.7	120	75	104.64		5	
	1450	60	16.7	33.5	53	10.33	22	2.5	
		100	27.8	32	65	13.42		2.5	
		120	33.3	30.5	66	15.11		3	
125-100-315A	2900	112	31.1	115.2	52	67.63	90	4	165
		186.5	51.81	108.7	71	77.81		4.5	
		224	62.22	104.3	72	88.42		5	
	1450	56	15.56	28.8	52	8.45	15	2.5	
		93	25.83	27.2	64	10.77		2.5	
		112	31.11	26.1	65	12.25		3	
125-100-400	1450	60	16.67	52	48	17.71	30	2.5	210
		100	27.78	50	55	24.77		2.5	
		120	33.33	48.5	62	25.58		3	
125-100-400A	1450	56	15.56	45	43	15.97	30	2.5	
		93	25.83	43.2	54	20.27		2.5	
		112	31.11	41.9	60	21.31		3	

性能参数 PERFORMANCE PARAMETER

型号 Model	转速 Speed (r/min)	流量 Flow		扬程 Head (m)	效率 Efficiency (%)	功率 Power (kW)		必需汽蚀余量 (NPSH)r (m)	总重 Weight (kg)
		(m³/h)	(L/s)			轴功率 Shaft Power	电机功率 Motor Power		
150-125-250	1450	120	33.33	24.8	66	12.29	18.5	2.5	164
		200	55.56	20	77	14.16		2.8	
		240	66.67	15	68	14.43		3.5	
150-125-250A	1450	109.1	30.28	20.5	62.5	9.75	15	2.5	
		182	50.56	16.5	75	10.91		2.8	
		218.2	60.61	12.4	65.2	11.31		3.5	
150-125-315	1450	120	33.33	36.3	63	18.84	30	2.5	195
		200	55.56	32	75	23.25		2.8	
		240	66.67	28.5	72	25.89		3.8	
150-125-315A	1450	109.1	30.28	30	60	14.85	22	2.5	
		182	50.56	25.5	73	17.32		2.8	
		218.2	60.61	23.5	69	20.23		3.8	
150-125-315B	1450	99	27.5	24.7	59	11.29	18.5	2.5	237
		165	45.83	22	72	13.74		2.8	
		198	55	19.4	69	15.17		3.8	
150-125-400	1450	120	33.33	57.5	61	30.82	55	2	
		200	55.56	50	70	38.93		2.5	
		240	66.67	44	63	45.68		3	
150-125-400A	1450	109.1	30.28	47.5	58	24.35	37	2	
		182	50.56	41	68	29.94		2.5	
		218.2	60.61	36.5	60	36.17		3	
150-125-400B	1450	99	27.5	39.1	57	18.51	30	2	
		165	45.83	34	67	22.82		2.5	
		198	55	29.9	58	27.81		3	
200-150-250	1450	240	66.67	23	70	21.49	37	2.5	194
		400	111.11	20	79	27.59		2.8	
		460	127.78	18	80	28.2		3	
200-150-250A	1450	218.2	60.61	18.9	67	16.77	30	2.5	
		363	100.83	16.5	79	20.66		2.8	
		418	116.1	14.8	78	21.61		3	
200-150-315	1450	240	66.67	35.6	67	34.75	55	3	268
		400	111.11	32	79	44.15		3.5	
		460	127.78	29.4	77	47.86		4	
200-150-315A	1450	218.2	60.61	29.4	64	27.31	45	3	
		363	100.84	25.5	77	32.76		3.5	
		418	116.11	24.3	74	37.4		4	
200-150-315B	1450	197.7	54.92	24.1	63	20.61	37	3	289
		329	91.39	21.6	76	25.48		3.5	
		378.8	105.22	19.7	73	27.86		4	
200-150-400	1450	240	66.67	55.8	67	54.47	90	3	
		400	111.11	50	78	69.87		3.5	
		460	127.78	47	75	78.55		4	
200-150-400A	1450	218.2	60.61	46	64	42.74	75	3	
		363	100.83	41	76	53.36		3.5	
		418	116.11	38.8	72	61.38		4	
200-150-400B	1450	197.7	54.92	37.7	63	32.24	55	3	
		329	91.39	33.8	75	40.4		3.5	
		378.8	105.22	31.8	71	46.23		4	

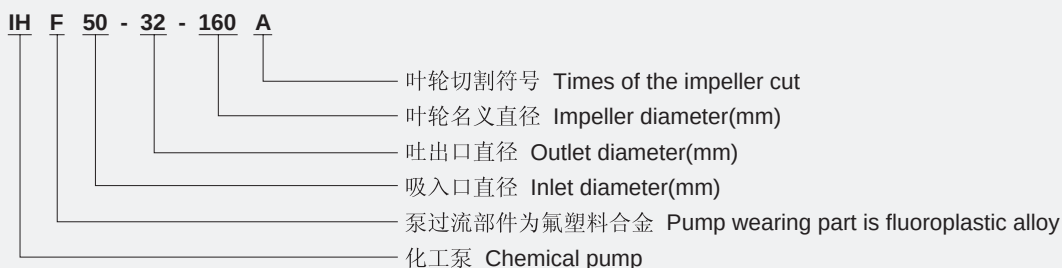


概述 GENERAL

IHF 型泵为氟塑料衬里单级单吸卧式化工离心泵，极大的提高了IH型化工泵的耐腐蚀能力，其技术特性符合国际标准ISO2858、ISO3661的规定。具有耐高低温、抗老化、无毒素分解等一系列优异性能。可长期输送任意浓度的有机酸、无机酸、混酸、强碱、酸碱交替、强氧化剂和有机溶剂等化学介质。广泛应用于石油、化工、制药、冶金、电力、造纸、农药、电镀等行业，是目前最优良的耐腐蚀设备之一。

IHF pumps are fluoroplastic lined single-stage single-suction horizontal chemical centrifugal pumps, the technical characteristics can meet the international standard ISO2858, ISO3661. They have the characteristics of resistant to low and high temperature, ageing resistance, innoxious analytical etc. they can delivery the organic acid, inorganic acid, mixed acid, alkali, acid based exchanged, strong oxidizer, organic solvent, and so on. They can be applicable to petroleum, chemical industry, pharmacy, metallurgy, electric force, paper-making, pesticide, electroplating etc. they are one of the best resistant material.

型号意义 MEANING OF THE MODEL



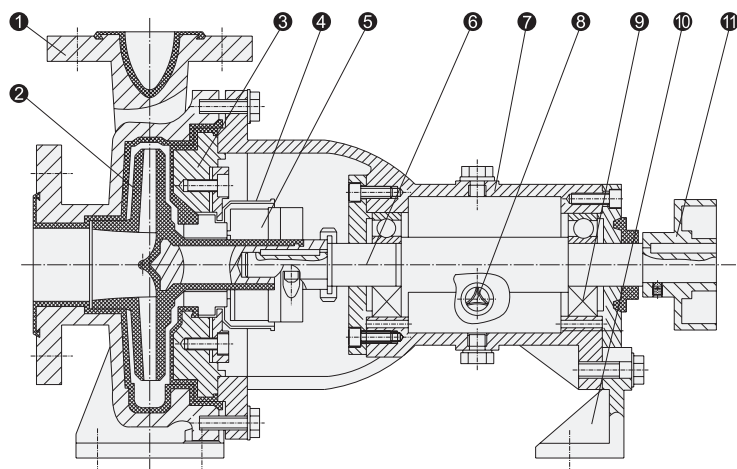
使用参数 OPERATION PARAMETER

- | | |
|--------------------------------|---|
| • 口径: DN32~DN125mm | • Caliber: DN32~DN125mm |
| • 流量: 2.5~240m ³ /h | • Capacity: 2.5~240m ³ /h |
| • 扬程: 5~80m | • Head: 5~80m |
| • 转速: 2900r/min; 1450r/min | • Rotate speed: 2900r/min; 1450r/min |
| • 工作温度: ≤150℃ | • Work temperature: ≤150℃ |
| • 粘度: ≤150mm ² /s | • Viscosity: ≤150mm ² /s |
| • 压力: ≤1.6MPa | • Pressure: ≤1.6MPa |
| • 电机功率: 0.75~75kW | • Motor power: 0.75~75kW |

结构示意图 SKETCH MAP OF STRUCTURE

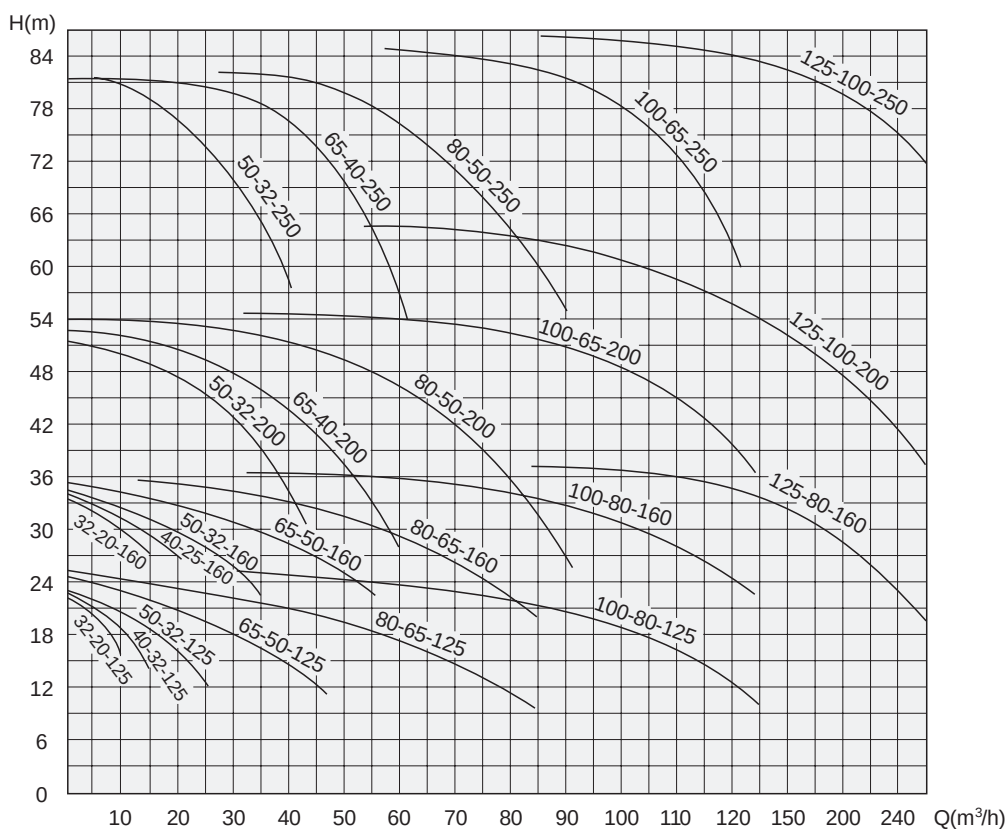
IHF型氟塑料化工泵泵壳采用金属外壳内衬氟塑料合金，叶轮和后座均采用金属嵌件外包氟塑料合金整体烧结压制成型，轴封采用外装式多弹簧单端面波纹管机械密封，静环采用99.9%氧化铝陶瓷或碳化硅，动环采用填充四氟材料或碳化硅。

IHF fluoroplastic chemical centrifugal pump adopt metal cover lining with fluoroplastic, impeller and backbow are metal part outer pack fluoroplastic alloy, shaft seal is external single mechanical seal, stator ring is 99.99% alumina ceramics and SIC, rotor ring is PTFE or SIC.



1	泵壳	Casing
2	叶轮	Impeller
3	泵盖	Pump cover
4	集液罩	Liquid trap
5	机械密封	Mechanical seal
6	泵轴	Shaft
7	悬架	Hanger bracket
8	油镜	Oil immersion lens
9	轴承	Bearing
10	支架	Bracket
11	联轴器	Coupling

型谱图 PERFORMANCE CURVE



性能参数 PERFORMANCE PARAMETER

型号 Model	转速 Speed (r/min)	流量 Flow		扬程 Head (m)	效率 Efficiency (%)	功率 Power (kW)		必需汽蚀余量 (NPSH)r (m)	总重 Weight (kg)
		(m³/h)	(L/s)			轴功率 Shaft Power	电机功率 Motor Power		
IHF32-25-125	2900	3.5 5 6.5	0.97 1.39 1.8	21 20 18	40 44 42	0.5 0.62 0.76	1.5	2.3	80
	1450	1.75 2.5 3.25	0.49 0.69 0.9	5.25 5 4.5	37 40 38	0.068 0.085 0.105	0.75	2.3	75
IHF32-25-125A	2900	3.1 4.5 5.8	0.86 1.25 1.61	17.6 16 14.4	38 41 40	0.7 0.48 0.57	1.1	2.3	75
IHF32-25-160	2900	3.5 5 6.5	0.97 1.39 1.8	33 32 30	34 40 42	0.93 1.1 1.26	2.2	2.3	90
	1450	1.75 2.5 3.25	0.49 0.69 0.9	8.25 8 7.5	30 38 40	0.131 0.143 0.166	0.75	2.3	75
IHF32-25-160A	2900	3.1 4.5 5.8	0.86 1.25 1.61	29 28 26	30 35 36	0.81 0.97 1.14	1.5	2.3	80
IHF40-32-125	2900	4.4 6.5 8.3	1.22 1.8 2.31	21 20 18	40 45 43	0.63 0.79 0.95	2.2	2.5	90
	1450	2.2 3.25 4.15	0.6 0.9 1.15	5.25 5 4.5	37 41 40	0.085 0.108 0.127	0.75	2.5	75
IHF40-32-125A	2900	3.9 5.6 7.4	1.08 1.56 2.06	17.6 16 14.4	38 42 40	0.49 0.58 0.72	1.5	2.5	80
IHF40-32-160	2900	4.4 6.5 8.3	1.22 1.8 2.31	33 32 30	34 40 39	1.16 1.42 1.71	2.2	2.5	90
	1450	2.2 2.5 3.25	0.6 0.9 1.15	8.25 8 7.5	33 36 37	0.14 0.15 0.18	0.75	2.5	75
IHF40-32-160A	2900	3.9 5.6 7.4	1.08 1.56 2.06	29 28 26	32 38 37	0.96 1.23 1.41	1.5	2.5	80
IHF50-32-125	2900	8.8 12.5 16.3	1.08 1.56 2.06	21 20 17.5	45 54 53	1.15 1.26 1.47	2.2	3	90
	1450	4.4 6.25 8.15	1.2 1.74 2.26	5.37 5 4.37	37 46 45	0.17 0.17 0.22	0.75	3	75
IHF50-32-125A	2900	8 11 14.5	2.22 3.05 4.03	17 16 14	42 52 51	0.88 0.92 1.08	1.5	3	80
IHF50-32-160	2900	8.8 12.5 16.3	2.44 3.47 4.53	33 32 30	41 48 47	1.93 2.07 2.84	4	3	120
	1450	4.4 6.25 8.15	1.2 1.74 2.26	8.25 8 7.5	31 41 42	0.31 0.33 0.39	0.75	3	90
IHF50-32-160A	2900	8.2 11.7 15.2	2.28 3.25 4.22	29 28 26	39 47 46	1.16 1.88 2.34	3	3	100
IHF50-32-200	2900	8.8 12.5 16.3	2.44 3.47 4.53	52 50 48	34 42 41	3.7 4.1 5.2	7.5	3	150
	1450	4.4 6.25 8.15	1.2 1.74 2.26	13 12.5 12	25 33 36	0.62 0.65 0.74	1.5	3	100
IHF50-32-200A	2900	8.2 11.7 15.2	2.28 3.25 4.22	45 44 42	31 40 39	3.24 3.5 4.45	5.5	3	130

性能参数 PERFORMANCE PARAMETER

型号 Model	转速 Speed (r/min)	流量 Flow		扬程 Head (m)	效率 Efficiency (%)	功率 Power (kW)		必需汽蚀余量 (NPSH)r (m)	总重 Weight (kg)
		(m³/h)	(L/s)			轴功率 Shaft Power	电机功率 Motor Power		
IHF50-32-250	2900	8.8 12.5 16.3	2.44 3.47 4.53	82 80 76	27 35 34	7.3 7.8 10	11	3	220
	1450	4.4 6.25 8.15	1.2 1.74 2.26	20.5 20 19	20 27 30	1.22 1.26 1.4	2.2	3	100
IHF50-32-250A	2900	8.2 11.7 15.2	2.28 3.25 4.22	71 70 68	25 34 33	4.53 6.56 8.52	7.5	3	170
IHF65-50-125	2900	17.5 25 32	4.86 6.94 9	21.5 20 17.5	56 64 63	1.83 2.13 2.42	3	3.5	100
	1450	8.75 12.5 16	2.43 3.47 4.44	5.37 5 4.37	45 57 58	0.28 0.3 0.33	0.75	3.5	80
IHF65-50-125A	2900	15.6 22.3 29	4.33 6.19 8.1	17 16 14	53 62 61	1.36 1.57 1.79	2.2	3.5	90
IHF65-50-160	2900	17.5 25 32	4.86 6.49 9	33 32 27.5	50 59 57	3.15 3.69 4.2	5.5	3.5	145
	1450	8.75 12.5 16	2.43 3.47 4.44	8.25 8 6.87	40 53 51	0.49 1.51 0.59	1.1	3.5	90
IHF65-50-160A	2900	16.4 23.3 30.4	4.56 6.5 8.44	29 28 24	48 58 56	2.7 3.1 3.54	4	3.5	130
IHF65-40-200	2900	17.5 25 32	4.86 6.94 9	52 50 45.5	45 54 54	5.5 6.3 7.35	11	3.5	225
	1450	8.75 12.5 16	2.43 3.47 4.44	13 12.5 11.4	36 46 47	0.86 0.93 1.05	1.5	3.5	100
IHF65-40-200A	2900	16.4 23.3 30.4	4.56 6.5 8.44	46 44 40	43 53 52	4.3 5 5.2	7.5	3.5	170
IHF65-40-250	2900	17.5 25 32	4.86 6.94 9	82 80 76	39 50 52	10.1 10.9 12.74	18.5	3.5	240
	1450	8.75 12.5 16	2.43 3.47 4.44	20.5 20 19	32 42 44	1.52 1.62 1.88	2.2	3.5	130
IHF65-40-250A	2900	16.4 23.3 30.4	4.56 6.5 8.44	71 70 68	36 48 50	8.8 9.3 11.25	15	3.5	230
IHF80-65-125	2900	35 50 65	9.72 13.9 18.1	21.5 20 17	64 69 67	3.2 3.95 4.5	5.5	4	150
	1450	17.5 25 32.5	4.86 6.9 9	5.37 5 4.25	54 64 62	0.47 0.53 0.61	1.1	4	90
IHF80-65-125A	2900	31 45 58	8.6 12.5 16.1	17 16 14	62 68 67	2.3 2.88 3.3	4	4	130
IHF80-65-160	2900	35 50 65	9.72 13.9 18.1	33 32 27.5	60 68 67	5.24 6.41 7.27	11	4	220
	1450	17.5 25 32.5	4.86 6.9 9	8.25 8 6.88	50 62 61	0.78 0.88 1	1.5	4	100
IHF80-65-160A	2900	31 45 58	8.6 12.5 16.1	29 28 24	58 67 66	4.1 5.12 5.34	7.5	4	190

性能参数 PERFORMANCE PARAMETER

型号 Model	转速 Speed (r/min)	流量 Flow		扬程 Head (m)	效率 Efficiency (%)	功率 Power (kW)		必需汽蚀余量 (NPSH)r (m)	总重 Weight (kg)
		(m³/h)	(L/s)			轴功率 Shaft Power	电机功率 Motor Power		
IHF80-50-200	2900	35 50 65	9.72 13.9 18.1	52 50 45.5	52 64 65	9.53 10.64 12.39	15	4	230
	1450	175 25 32.5	4.86 6.9 9	13 12.5 11.38	51 59 58	1.21 1.44 1.74	2.2	4	130
IHF80-50-200A	2900	31 45 58	8.6 12.5 16.1	46 44 40	50 63 62	7.35 8.56 10	11	4	220
IHF80-50-250	2900	35 50 65	9.72 13.9 18.1	82 80 72	40 50 51	19.4 21.8 25	30	4	400
	1450	17.5 25 32.5	4.86 6.9 9	20.5 20 18	40 50 51	2.4 2.7 3.12	4	4	145
IHF80-50-250A	2900	31 45 58	8.6 12.5 16.1	71.5 70 63	39 50 51	15.4 17.6 19.9	22	4	310
IHF100-80-125	2900	70 100 130	19.4 27.8 36.1	23 20 14	70 75 65	6.26 7.26 7.63	11	5	220
	1450	35 50 65	9.7 13.9 18	5.75 5 3.5	65 70 64	0.85 0.97 0.98	1.5	4.5	100
IHF100-80-125A	2900	62.6 89 116	17.4 24.7 32.2	18 16 11	68 73 65	4.5 5.3 5.74	7.5	5	200
IHF100-80-160	2900	70 100 130	19.4 27.8 36.1	34 32 24	68 74 65	9.53 11.78 13.03	15	5	230
	1450	35 50 65	9.7 13.9 18	8.5 8 6.5	60 68 67	1.35 1.6 1.69	2.2	4.5	110
IHF100-80-160A	2900	65.4 93.5 121	18.2 26 33.6	32 28 21	66 73 65	8.6 9.3 10.6	11	5	220
IHF100-65-200	2900	70 100 130	19.4 27.8 36.1	52 50 42	64 72 71	15.5 18.91 20.94	30	5	400
	1450	35 50 65	9.7 13.9 18	13 12.5 10.5	60 68 63	2.06 2.5 2.95	4	4.5	140
IHF100-65-200A	2900	65.4 93.5 121	18.2 26 33.6	46 44 37	63 71 70	13 15.02 17.4	22	5	310
IHF100-65-250	2900	70 100 130	19.4 27.8 36.1	87 80 68	62 69 68	26.6 31.6 35	45	4	450
	1450	30 50 60	8.33 13.9 16.7	21.2 20 18.5	58 63 62	3 4.3 4.72	5.5	4.5	170
IHF100-65-250A	2900	65.4 93.5 121	16.2 26 33.6	76.5 70 59	60 68 67	20.25 26.2 28	37	4.5	410
IHF125-100-200	2900	120 200 240	33.3 55.6 66.7	61 50 41	68 77 70	29.3 35.4 38.3	55	4	620
	1450	60 100 120	16.7 27.8 33.3	15.3 12.5 10.3	64 73 66	3.9 4.66 5.1	11	3.5	220
IHF125-100-250	2900	120 200 240	33.3 55.6 66.7	90 80 73	62 75 74	47.5 58.1 64.5	75	4.5	800
	1450	60 100 120	16.7 27.8 33.3	22.5 20 18.25	59 72 71	6.23 7.56 8.4	15	3.5	240



概述 GENERAL

ZX系列自吸离心泵采用ISO2858国际标准设计，具有结构简单、运行平稳、维修方便、效率高、寿命长、自吸能力强等优点，管路中不需要安装底阀，工作前只需保证泵体内储有定量的引液即可。因此简化了管路系统，改善了劳动条件。

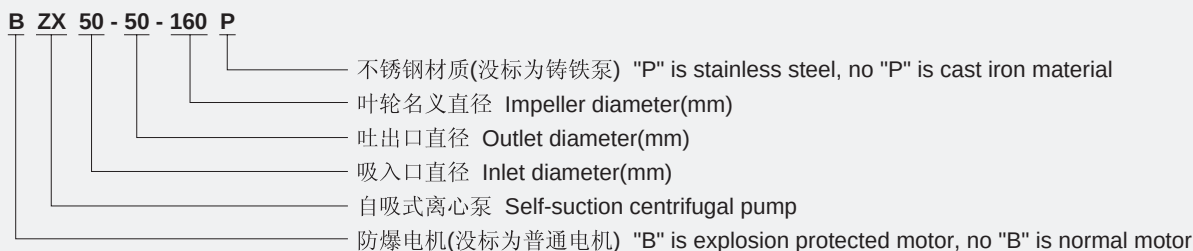
ZX series self-suction centrifugal pump is developed according ISO2858 standard. This series pump structure is simple, easy to operate and repair, high efficiency, long life. There is no need to fix the base valve in pipe run, just ensure there is quantitative priming in the pump body, simplified the pipe run system.

应用范围 APPLIED RANGE

ZX系列泵主要适用于输送清水及带有酸、碱度的化工介质液体和带有一般糊状的浆料(介质粘度 ≤ 100 厘沱，含固量30%以下)。广泛应用于城市环保、建筑、消防、化工、制药、染料、印染、酿造、电力、电镀、造纸、工矿冲洗、设备冷却等行业。

ZX pump is applicable for transferring water, acid-base liquid, and pasty slurry. (Viscosity $\leq 100\text{mm}^2/\text{s}$, particle percentages $\leq 30\%$). it's applicable for environment protection, architecture, fire control, chemical, pharmaceutical, printing and dyeing, brewing, electric power, galvanizing, paper-making, etc.

型号意义 MEANING OF THE MODEL

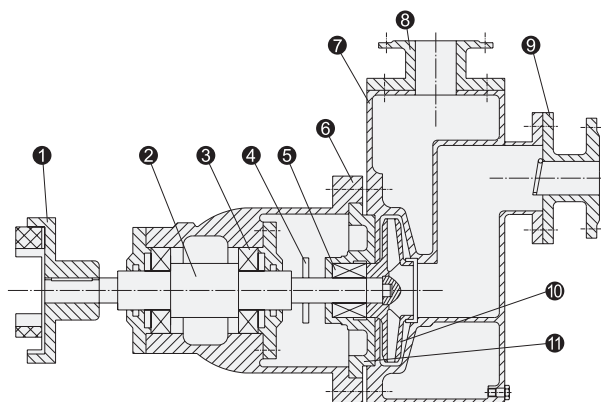


使用参数 OPERATION PARAMETER

- 口径: DN25~DN300mm
- 流量: 3~550m³/h
- 扬程: 15~80m
- 转速: 2900r/min; 1450r/min
- 工作温度: $\leq 120^\circ\text{C}$
- 粘度: $\leq 100\text{mm}^2/\text{s}$
- 压力: $\leq 1.6\text{MPa}$
- 自吸高度: $\leq 5\text{m}$
- 电机功率: 1.1~132kW

- **Caliber:** DN25~DN300mm
- **Capacity:** 3~550m³/h
- **Head:** 15~80m
- **Rotate speed:** 2900r/min; 1450r/min
- **Work temperature:** $\leq 120^\circ\text{C}$
- **Viscosity:** $\leq 100\text{mm}^2/\text{s}$
- **Pressure:** $\leq 1.6\text{MPa}$
- **Self-suction height:** $\leq 5\text{m}$
- **Motor power:** 1.1~132kW

结构示意图 SKETCH MAP OF STRUCTURE



- | | |
|----|-------------------------|
| 1 | 联轴器 Coupling |
| 2 | 泵 轴 Shaft |
| 3 | 轴 承 Bearing |
| 4 | 挡 水 圈 Water-proof ring |
| 5 | 机 械 密 封 Mechanical seal |
| 6 | 轴 承 体 Bearing body |
| 7 | 泵 壳 Casing |
| 8 | 出 口 座 Outlet base |
| 9 | 进 口 座 Inlet base |
| 10 | 叶 轮 Impeller |
| 11 | 后 盖 Back cover |

性能参数 PERFORMANCE PARAMETER

型号 Model	流量 Flow (m³/h)	扬程 Head (m)	自吸高度 Self-suction Height (m)	功率 Power (kW)		转速 Speed (r/min)	效率 Efficiency (%)	总重 Weight (kg)
				轴功率 Shaft Power	电机功率 Motor Power			
ZX25-25-125	3.2	20	5	0.46	1.1	2900	36	58
ZX25-25-160	3	32	5	0.8	1.5	2900	33	69
ZX32-25-160	3.2	32	5	0.82	1.5	2900	34	72
ZX32-25-180	2.5	40	5	1.4	4	2900	20	120
ZX32-25-200	3.2	50	5	1.6	4	2900	28	125
ZX40-32-125	6.3	20	5	0.87	1.5	2900	40	74
ZX40-32-160	8	30	5	1.37	2.2	2900	40	70
ZX40-32-180	6.3	40	5	2.53	4	2900	43	129
ZX40-32-200	6.3	50	5	2	4	2900	43	150
ZX50-50-125	18	20	5	1.8	2.2	2900	55	186
ZX50-50-160	12.5	32	5	2.7	4	2900	40	127
ZX50-50-180	12.5	40	5	2.7	4	2900	50	136
ZX50-50-200	12.5	50	5	4.3	5.5	2900	40	145
ZX50-50-230	15	60	5	6.2	7.5	2900	40	173
ZX50-50-250	12.5	50	5	9.8	11	2900	42	223
ZX65-50-125	25	17	4.5	2	3	2900	58	110
ZX65-50-160	25	32	4.5	4.4	5.5	2900	50	150
ZX65-50-200	25	50	4.5	6.8	7.5	2900	50	171
ZX65-50-250	25	70	4.5	12	15	2900	40	230
ZX80-65-125	35	17	4.5	3.1	4	2900	52	115
ZX80-65-140	50	20	4.5	4.4	5.5	2900	62	140
ZX80-65-160	50	32	4.5	6.8	7.5	2900	64	163
ZX80-65-200	60	50	4.5	15	18.5	2900	55	260
ZX80-65-230	55	60	4.5	15	18.5	2900	60	262
ZX80-65-250	60	70	4.5	20.1	22	2900	57	303
ZX100-100-125	100	20	4.5	7.8	11	2900	70	241
ZX100-100-160	100	32	4.5	15.9	18.5	2900	55	280
ZX100-100-180	100	40	4.5	16.3	18.5	2900	67	435
ZX100-100-200	100	50	4.5	18.5	22	2900	74	474
ZX100-100-230	100	65	4.5	27.7	30	2900	64	570
ZX100-100-250	70	80	4.5	24.2	30	2900	63	600
ZX150-100-200	160	55	4	39.2	45	2900	61	789
ZX150-100-250	160	75	4	53.6	55	2900	61	820



概述 GENERAL

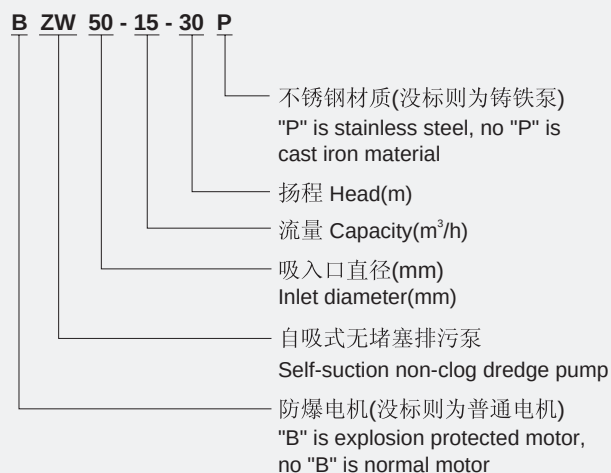
ZW自吸式无堵塞排污泵采用ISO2858国际标准设计，具有结构简单、运行平稳、维修方便、效率高、寿命长、自吸能力强等优点。管路中不需要安装底阀，工作前只需保证泵体内储有定量的引液即可。因此简化了管路系统，改善了劳动条件。

该泵集自吸和无堵塞排污于一体，采用轴向回流外混式，通过泵体、叶轮流道的独特设计，既有一般自吸泵那样不需要安装底阀和灌引水，又可吸排含有大颗粒固体悬浮物的杂质液体。

ZW self-suction non-clog dredge pump is developed according ISO2858 standard. This series pump structure is simple, easy to operate and repair, efficiency is high, long life. There is no need to fix the base valve in pipe run, just ensure there is quantitative priming in the pump body, simplified the pipe run system.

This pump is good at pumping the liquid which include the big particle seston, and it is also can be used like the normal self-suction pump, no need to fix the base valve and watering because of the special design of pump body and impeller runner.

型号意义 MEANING OF THE MODEL



应用范围 APPLIED RANGE

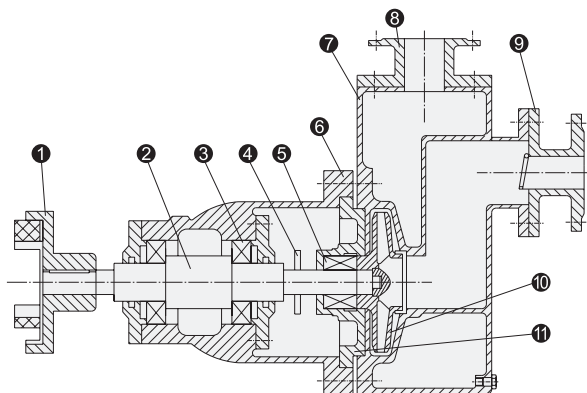
ZW自吸式无堵塞排污泵主要适用于输送工矿污水、泥浆、灰渣及纸浆等浆料，也适用于市政排污工程和河塘养殖等行业，是目前抽送含有固体颗粒纤维，浆料和混合悬浮介质的最理想的杂质泵。

This pump is applicable for transferring waste water muddy water, drinker and paper stuff etc and is applicable for public pollution. Dis charging works, and aquiculture etc too. It's the best pump to transfer the particle fibre slurry and mixed suspending medium.

使用参数 OPERATION PARAMETER

- 口径: DN25~DN300mm
- 流量: 8~800m³/h
- 扬程: 12~40m
- 转速: 2900r/min; 1450r/min
- 工作温度: ≤60℃; ≤120℃ (特殊)
- 粘度: ≤150mm²/s
- 压力: ≤1.6MPa
- 排污能力: 纤维长度≤5×口径; 固体直径≤0.6×口径
- 自吸高度: ≤4.5m
- 电机功率: 2.2~55kW
- **Caliber:** DN25~DN300mm
- **Capacity:** 8~800m³/h
- **Head:** 12~40m
- **Rotate speed:** 2900r/min; 1450r/min
- **Work temperature:** ≤60℃; ≤120℃ (Special)
- **Viscosity:** ≤150mm²/s
- **Pressure:** ≤1.6MPa
- **Note:** Fibre length≤5×caliber; Particle diameter≤0.6×caliber
- **Self-suction height:** ≤4.5m
- **Motor power:** 2.2~55kW

结构示意图 SKETCH MAP OF STRUCTURE



- | | |
|----|------------------------|
| 1 | 联轴器 Coupling |
| 2 | 泵 轴 Shaft |
| 3 | 轴 承 Bearing |
| 4 | 挡 水 圈 Water-proof ring |
| 5 | 机械密封 Mechanical seal |
| 6 | 轴 承 体 Bearing body |
| 7 | 泵 壳 Casing |
| 8 | 出 口 座 Outlet base |
| 9 | 进 口 座 Inlet base |
| 10 | 叶 轮 Impeller |
| 11 | 后 盖 Back cover |

性能参数 PERFORMANCE PARAMETER

型号 Model	流量 Flow (m³/h)	扬程 Head (m)	自吸高度 Self-suction Height (m)	电机功率 Motor Power (kW)	转速 Speed (r/min)	效率 Efficiency (%)	总重 Weight (kg)
ZW25-8-15	8	15	4.5	1.5	2900	45	100
ZW32-5-20	5	20	4.5	2.2	2900	45	100
ZW32-10-20	10	20	4.5	2.2	2900	45	100
ZW32-20-12	20	12	4.5	3	2900	45	100
ZW40-10-20	10	20	4.5	2.2	2900	45	100
ZW40-20-15	20	15	4.5	2.2	2900	45	100
ZW40-15-30	15	30	4.5	3	2900	60	120
ZW50-10-20	10	20	4.5	2.2	2900	58	100
ZW50-20-12	20	12	4.5	2.2	2900	45	100
ZW50-15-30	15	30	4.5	3	2900	60	120
ZW50-20-35	20	35	4.5	5.5	2900	48	150
ZW65-30-18	30	18	4.5	4	1450	60	200
ZW65-25-30	25	30	4.5	5.5	2900	50	200
ZW65-25-40	25	40	4.5	7.5	2900	55	200
ZW65-40-25	40	25	4.5	7.5	1450	50	200
ZW65-65-25	65	25	4.5	7.5	2900	52	240
ZW80-40-16	40	16	4	4	1450	62	240
ZW80-40-25	40	25	4	7.5	2900	50	200
ZW80-25-40	25	40	4	7.5	2900	50	200
ZW80-65-25	65	25	4	7.5	2900	52	240
ZW80-80-35	80	35	4	15	2900	62	285
ZW80-40-50	40	50	4	18.5	2900	50	450
ZW80-50-60	50	60	4	22	2900	55	340
ZW100-100-15	100	15	4	7.5	1450	65	300
ZW100-80-20	80	20	4	7.5	1450	65	300
ZW100-100-20	100	20	4	11	1450	53	340
ZW100-100-30	100	30	4	22	2900	53	510
ZW125-120-20	120	20	4	15	1450	60	500
ZW150-180-14	180	14	4	15	1450	60	500
ZW150-180-20	180	20	4	22	1450	60	570
ZW150-180-30	180	30	4	37	1450	65	680
ZW150-180-38	180	38	4	55	1450	45	800
ZW200-280-14	280	14	4	22	1450	65	700
ZW200-280-28	280	28	4	55	1450	55	940
ZW200-300-18	300	18	4	37	1450	65	800
ZW250-420-20	420	20	4	55	1450	61	1150
ZW300-800-14	800	14	4	55	1450	65	1400

隔膜材料特性 MEMBRANE MATERIAL CHARACTERS

介质 Liquid	丁晴橡胶 Acrylonitrile Butadiene Rubber	氯丁橡胶 Neoprene	氟橡胶 Fluorine Rubber	聚四氟乙烯 Polytetra Fluoroethylene	聚全氟乙丙烯 Fluorinated Ethylene Propylene
发烟硝酸 Nitric acid fuming	×	×	△	△	△
浓硝酸 Concentrated nitric acid	×	×	△	△	△
浓硫酸 Concentrated sulfuric acid	×	×	○	△	△
浓盐酸 Concentrated hydrochloric acid	×	△	△	△	△
浓磷酸 Concentrated phosphoric acid	×	△	△	△	△
浓醋酸 Concentrated acetic acid	×	×	×	△	△
浓氢氧化钠 Concentrated sodium hydroxide	○	○	△	△	△
无水氨 Hydrogen nitride without water	△	△	△	△	△
稀硝酸 Rarefied nitric acid	×	×	○	△	△
稀硫酸 Rarefied sulfuric acid	△	△	△	△	△
稀盐酸 Rarefied hydrochloric acid	×	○	△	△	△
稀磷酸 Rarefied phosphoric acid	×	×	△	△	△
稀氢氧化钠 Rarefied sodium hydroxide	○	○	△	△	△
氨水 Ammonia	△	△	×		
苯 Benzene	×	×	○		
汽油 Gas	○	○	○	○	○
石油 Petroleum	△	×	○	○	○
四氯化碳 Carbon tetrachloride	○		○	○	○
二硫化碳 Carbon disulfide disulphide	○		×	○	○
乙醇 Ethanol	○	○	○	○	○
丙酮 Acetone	×	△	×	○	○
甲酚 Cresol	×	△	×	○	○
乙醛 Aldehyde	×	×	△	○	○
乙苯 Ethylbenzene	×	×	△	○	○
丙烯腈 Acrylonitrile	△	△	×	○	○
丁醇 Butanol	○	○	○	○	○
丁二烯 Biethylene	○	×	△	○	○
苯乙烯 Styrene	×	×	△	○	○
醋酸乙酯 Ethyl acetate	×	×	×	○	○
醚 Aether	×	×	×	○	○

注：○——寿命较长，△——寿命一般，×——不可用

Note: "○" for operating life is long, "△" for normal operating life, "×" for can not use

耐腐蚀性能对照表 CORROSION RESISTANCE PERFORMANCE LIST

介质 Liquid	浓度 Consistency (%)	不锈钢 Stainless Steel			增强聚丙烯 RPP			氟塑料 Fluoroplastic			酚醛玻璃钢 Phenolic Aldehyde Fibre Glass		
		25℃	50℃	100℃	25℃	50℃	100℃	25℃	50℃	100℃	25℃	60℃	100℃
硫酸 Sulfuric acid	0~50	×	×	×	√	√	○	√	√	√	√	√	√
硫酸 Sulfuric acid	50~98	×	×	×	√	○	×	√	√	√	√	√	○
硝酸 Nitric acid	10~70	√	√	√	√	√	○	√	√	√	×	×	×
硝酸 Nitric acid	70~102	√	√	√	×	×	×	√	√	√	×	×	×
盐酸 Hydrochloric acid	任意	×	×	×	○	○	○	√	√	√	√	√	√
磷酸 Phosphoric acid	0~90	×	×	×	√	√	○	√	√	√	√	√	√
氢氟酸 Hydrofluoric acid	0~50	×	×	×	√	√	√	√	√	√	×	×	×
氢溴酸 Hydromic	任意	×	×	×	√	√	○	√	√	√	√	√	√
氢氰酸 Hydrogencyanide	任意	×	×	×	√	√	√	√	√	√	√	√	√
酪酸 Butyric acid	0~50	×	×	×	√	√	×	√	√	√	×	×	×
次氯酸 Hypochlorous acid	任意	×	×	×	√	√	×	√	√	√	√	○	×
氟硅酸 Fluosilicic acid	任意	×	×	×	√	√	√	√	√	√	√	√	√
王水 Aqua fortis		×	×	×	×	×	×	√	√	√	×	×	×
甲酸 Formate acid	任意	×	×	×	√	√	√	√	√	√	√	√	√
醋酸 Acetic acid	任意	○	○	○	√	√	○	√	√	√	√	√	○
丁酸 Butyric acid	任意	√	√	√	√	√	√	√	√	√	√	√	√
乳酸 Lacitic acid	任意	√	√	×	√	√	×	√	√	√	√	√	○
草酸 Oxalic acid	任意	○	○	×	√	○	×	√	√	√	√	√	√
脂肪酸 Fatty acid	任意	√	√	√	√	○	×	√	√	√	√	√	√
苯甲酸 Acidum benzoicum	任意	√	√	√	√	√	×	√	√	√	√	√	√
柠檬酸 Citric acid	任意	√	√	√	√	○	×	√	√	√	√	√	√
苯磺酸 Benzene sulfonic acid	任意	√	√	√	○	○	×	√	√	√	√	√	√
氯醋酸 Chloroacetic acid	任意	×	×	×	√	√	×	√	√	√	○	○	○
氢氧化钾 Potassium ydroxide	任意	√	√	○	√	√	√	√	√	√	×	×	×
氢氧化铵 Ammonium hydroxide	任意	√	√	√	√	√	√	√	√	√	×	×	×
硫酸铵 Sulphate of ammonia	任意	×	×	×	√	√	√	√	√	√	√	√	√
磷酸铵 Ammonium phosphate	任意	√	√	×	√	√	○	√	√	√	√	√	√
氯化铵 Ammonium chloride	任意	×	×	√	√	√	○	√	√	√	√	√	√
硫化钠 Sodium sulfide	任意	○	○	×	√	√	√	√	√	√	×	×	×
氢化铵 HG ammonium	任意	×	×	×	√	√	√	√	√	√	√	√	√
次氯酸钠 Sodium hypochlorite	0~25	×	×	×	√	○	×	√	√	√	×	×	×
硫酸铝 Aluminum sulfate	任意	√	√	√	√	√	√	√	√	√	√	√	√
醋酸铅 Lead acetate	任意	√	√	√	√	√	○	√	√	√	√	√	√
次氯酸钙 Calcium hypochlorite	0~25	×	×	×	√	○	○	√	√	√	○	○	×
甲醇 Carbinol	任意	√	√	√	√	○	○	√	√	√	○	×	×
乙醇 Ethanol	任意	√	√	√	√	○	○	√	√	√	○	○	×
甲苯 Toluene	任意	√	√	√	×	×	×	√	√	√	○	○	○
二氯乙烷 dichloroethane	任意	√	√	√	×	×	×	√	√	√	√	○	○
氯酸 Chloric acid	任意	×	×	×	√	√	×	√	√	√	√	○	○
氯酸钾 Potassium chlorate	任意	√	√	√	√	√	√	√	√	√	√	√	√
硼酸 Boracic acid	任意	√	√	○	√	√	√	√	√	√	√	√	√
磷酸钠 Sodium phosphate	任意	√	√	√	√	○	×	√	√	√	√	√	√
硼砂 Borax	任意	√	√	√	√	√	√	√	√	√	√	√	√
高锰酸钾 Potassium permanganate	任意	√	√	√	√	√	×	√	√	√	○	○	○
亚硫酸 Sulfurous acid	任意	√	√	○	√	√	√	√	√	√	√	√	√
硅酸 Silicic acid	任意	×	×	×	√	√	√	√	√	√	√	√	√
次氯酸 Hypochlorous	任意	×	×	×	√	√	√	√	√	√	√	○	○
硫酸镍 Nickelous sulfate	任意	√	√	×	√	√	√	√	√	√	√	√	√
氟化铝 Aluminum fluoride	任意	○	×	×	√	√	√	√	√	√	√	√	√

注：“√”表示使用效果好；“○”表示可以使用；“×”表示不可用。输送介质的数据不在表内或其他介质请与我公司技术部门联系。

Note : “√” good effect, “○” Normal effect, “×” can not use. If the medium is not included in above table, please contact with us.

管路损耗参考表 REFERENCE TABLE FOR PIPELINE LOSS

管径 Pipe Diameter (mm)	流量 Flow (L/s)									
	1	2	4	6	8	10	15	20	25	30
25	3.27	13								
40	3.5	14	55							
50	0.8	3.1	13	29						
65	0.8		3.2	7.1	13	20				
75		0.4	0.8	3.3	5.9	9.6	21.6			
100			0.23	0.8	1.3	2.1	6.8	8.6	13	19.4
125				0.23	0.4	0.63	1.3	2.7	4.1	5.9
150					0.16	0.26	0.58	1.1	1.6	2.3
175						0.11	0.27	0.5	0.74	1.05
200							0.13	0.26	0.37	0.56
250								0.07	0.12	0.18
300										0.07

直管摩擦损失简表（供估计用）管100m直管损失米数以新铸铁管为标准，旧管加倍。
Brier table for the frictional loss of a straight pipe (for evaluation), the lost meters of a 100m straight pipe takes the newly cast iron pipe as the standard and multiple for the old one.

一定管路直径之最大流量限制
Limit of the Maximum Flow for a Pipe
with a Certain Diameter

管径 Pipe Diameter (mm)	最大流量 Maximum Flow (L/s)	最大流速 Maximum Flow Rate (m/s)	管径 Pipe Diameter (mm)	最大流量 Maximum Flow (L/s)	最大流速 Maximum Flow Rate (m/s)
25	1	2.04	125	30	2.44
40	2.5	1.69	150	43	2.45
50	4.17	2.12	175	60	2.49
65	6.67	2.01	200	83.3	2.69
75	10	2.26	250	133	2.72
100	18.4	2.33	300	192	2.71

注：超过此限使管路损失显著增加。
Note: The pipeline loss would be made greatly increased once the limit is over.

阀及弯管折合直管长度(每个)
The Length of a Straight Pipe Converted into
from Both Valve and Elbow (Each)

种类 Variety	折合直管直径倍数 Convert into the the Diameter of a Straight Pipe	备注 Remark
全开闸阀 Fully opened gate valve	12	未畅开加倍 Multiple in case of unopen
标准弯管 Standard elbow	25	
逆止阀 Back valve	100	
底阀 Foot valve	100	部分堵塞加倍 Partial block-up multiplied

注：例如100mm直径管，底阀折100倍直径等于100×100=10000mm=10m直径长度，假定流量为8L/s查上表，直管每100m损失1.3m，则10m损失0.13m，即一个100底阀，流量为8L/s时，则损失扬程0.13m。

Note: For instance, a 100mm diameter pipe, the foot valve has a 100×100=10000mm=10m diameter when which is converted into 100 times that of the pipe's diameter. Suppose the flow is 8L/s, looked into the above table, the loss of the straight pipe is 1.3m each 100m, then the one for 100mm is 0.13m, that is, for a 100mm foot valve with a flow 8L/s, its head loss is 0.13m.

企 业 价 值 观

THE CORPORATE VALUES



浙江远邦流体科技有限公司

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