



在使用本产品前请仔细阅读本手册，本将其放在设备附近以备将来参阅。

Before use, please read this manual carefully and be placed nearby to the equipment for future reference



上诚泵阀 因诚而信  
Shangcheng Pump and valve  
Being trustworthy because of its sincerity

## ❖ 磁力泵系列

Series self-priming magnetic pump

用户使用手册  
User operating brochure



CHENG

上海上诚泵阀制造有限公司

SHANGHAI SHANGCHENG PUMP AND VALVE MANUFACTURING CO., LTD

地址(Add): 上海市普陀区中山北路1759号

Shanghai Putuo District No.1759 in  
Zhongshan North Road

邮编(Post): 200010

电话(Tel): 021-68100000

传真(Fax): 021-61398677

网址(Http): [www.scpv.com](http://www.scpv.com)

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## BRIEF 企业简介 INTRODUCTION

上海上诚泵阀制造有限公司是一家集科研、开发、生产、销售于一体的泵阀企业；公司拥有一支经验丰富、勇于实践、不断创新的高素质开发、科研队伍：其中高级工程师2名，研究、设计技术人员35名，生产技术人员68名，现有员工总数达298人；公司拥有国内外先进的电脑微机控制性能水泵测试台，使客户更安全、更有效、更放心地使用上诚产品。

公司全面采用ISO9001：2000《质量管理体系要求》，并有效的实施；自创办以来始终把质量管理作为第一追求目标，发扬拼搏精神，争创一流的精神在泵阀行业中不断发展壮大。

公司主要生产经营各类水泵及配套蝶阀；产品畅销全国各地，广泛应用于石油、化工、电力、造纸、食品、制药、给排水工程等，深受广大行业用户的一致好评，上诚秉承“以诚为贵，以质取胜”的经营理念，诚心为您提供优质的品牌产品和完美的服务，竭诚欢迎社会各界惠顾合作。

Shanghai Shangcheng Pump and valve manufacturing Co.,Ltd. is an enterprise of Researching, developing, producing and selling; The company has an experience team to develop high quality products, 2 senior engineers, 35 designing engineers, 68 technicians, which totally amounts to 298; The company has the domestic advanced automatical system to perform water pump test, which can make the customer to use our products safely, effective and easily.

The ISO9001:2000"quality control system request" always be implemented effectively since our company is opened, the quality control is always our first pursue goal and we are growing strong in the pump and valve industry.

Our main products are pumps and matched valves, which are sold to the strongly all over of China, it can be widely applied to petroleum, chemical industry, electric power, paper-making, food, drugs manufacturing and so on, "honesty oriented, quality comes first" is our management idea, which sincerely provides the high quality brand product and the consummation service for you.



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## 磁力泵概述

• Briefing of Magnetic Pump •

### 磁力泵概述

在石油、化工、军工、制药等领域中，经常存在着一些输送腐蚀性液体的场所，因此研制和开发全密封、无泄漏、抗腐蚀性能强的离心泵是我们关心和研究的方向。磁力传动静密封技术在泵领域的应用显示出其零泄漏的密封特性。

磁力传动离心泵(简称磁力泵)是应用现代磁力学原理，利用永磁体的磁力传动实现扭矩的无接触传递的一种新型泵，也就是电机带动外转子(即外磁钢)总成旋转时，通过磁场的作用磁力线穿过隔离套带动内转子(即内磁钢)总成和叶轮同步旋转，由于介质封闭在静止的隔离套内，从而达到无泄漏抽送介质的目的，彻底解决了机械传动泵的轴封泄漏而设计的全密封、无泄漏、无污染的新型工业用泵。

磁力泵是化工流程中杜绝跑、冒、滴、漏现象，消除环境污染，创造“无泄漏车间”、“无泄漏工厂”，实现安全、文明生产的理想用泵。广泛应用于石油、化工、制药、印染、电镀、食品、环保等企业的生产流程中输送不含铁屑杂质的腐蚀性液体，尤其适用于易燃、易爆、易挥发、有毒和贵重液体的输送。

磁力泵产品有CQ、CQF、ZCQ、CQB、CQB-F、CQB-G、ZBF、MP、CQG等系列，产品符合国际标准ISO2858、国家标准GB5662和JB/T 7742-1995的有关要求；以上各种系列磁力泵都采用最优秀的水力模型，达到了高效、节能、性能稳定等优点。而且结构简单，安装简便，占地面积小，拆卸维修方便，噪音低，是石油、化工、制药、电镀、电子、环保等行业的首选产品。

### BRIEFING OF MAGNETIC PUMP

In the fields of petroleum, chemicals, war industry and pharmaceuticals etc., there are often needs to handle some corrosive liquids. For this reason we dedicate ourselves to the development and research of fully sealed, leak-tight and corrosion-resisting centrifugal pumps. Magnetism-driven silent seal technology performs leak-tight seal in pump industry.

Magnetism-driven centrifugal pump (magnetic pump for short) is a late model uses the theory of modern magnetics. The noncontact transfer of torque is actualized by the magnetic force of permanent magnet. Namely, when motor drives outer rotor (outer magnet steel) assembly rotating, inner rotor (inner magnet steel) assembly will rotate synchronously with impeller driven by magnetic line of force through spacer sleeve under the function of magnetic field. As medium is closed in the actionless spacer sleeve, leak-tight delivery of medium can be effected, making it a new-style industrial pump of full seal and no leakage and pollution, and away from the trouble of leakage at shaft seal borne by mechanical drive pumps.

Magnetic pump is an environmental-friendly solution to the phenomena of bleeding, emitting, dropping and leaking, thus to effect "leak-tight workshop" and "leak-tight factory" for safe and civilized production. They are widely used in the industries of petroleum, chemicals, pharmaceuticals, printing and dyeing, electroplating, foodstuff, environment protection and etc. to handle corrosive liquid not containing scrap irons, especially inflammable, explosive, volatile, toxic and precious liquids.

Magnetic pumps are provided with CQ, CQF, ZCQ, CQB, CQB-F, CQB-G, ZBF, MP, CQG series conforming to ISO2858, GB5662 and JB/T7742-1995, Using the most superior hydraulic model, all magnetic pumps above are featured by high efficiency, energy saving, steady performance, simple structure, easy installation, small occupation of floor, convenient disassembly and maintenance and low noise, making them optimal for the industries of petroleum, chemicals, pharmaceuticals, electroplating, electronics, environment protection and etc.

## 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.

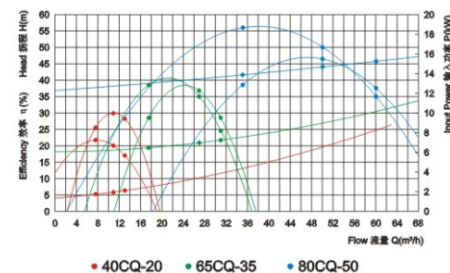
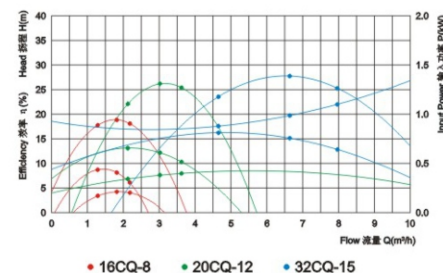
## 型号意义 SIGNIFICATION OF MODEL

32 CQ - 15  
 扬程(m)  
Head(m)  
 磁力泵  
Magnetic pump  
 进口直径(mm)  
Inlet diameter (mm)

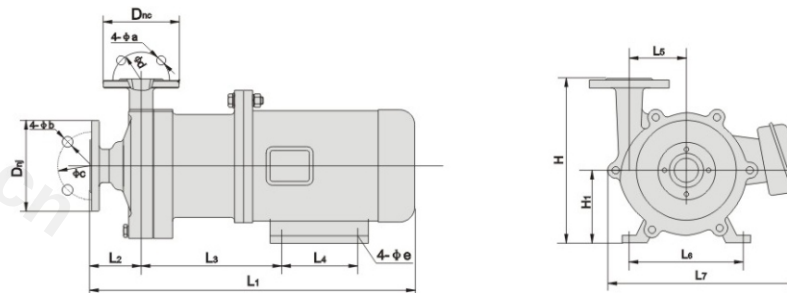
## 性能参数 PERFORMANCE PARAMETERS

| 型号<br>Model | 口径 (mm)<br>Caliber | 流量<br>(m³/h)<br>Flow | 扬程<br>(m)<br>Head | 汽蚀余量<br>(NPSH)r(m)<br>Net positive<br>suction head | 电机功率<br>(kW)<br>Motor power | 转速<br>(r/min)<br>Rotary speed | 电压<br>(V)<br>Voltage |
|-------------|--------------------|----------------------|-------------------|----------------------------------------------------|-----------------------------|-------------------------------|----------------------|
| 16CQ-8      | 16                 | 1.8                  | 8                 | 6.0                                                | 0.18                        | 2900                          | 220/380              |
| 20CQ-12     | 20                 | 3                    | 12                | 6.0                                                | 0.37                        | 2900                          | 220/380              |
| 25CQ-15     | 25                 | 5.4                  | 15                | 6.0                                                | 1.1                         | 2900                          | 380                  |
| 32CQ-15     | 32                 | 6.6                  | 15                | 6.0                                                | 1.1                         | 2900                          | 380                  |
| 32CQ-25     | 32                 | 4.8                  | 25                | 5.5                                                | 1.1                         | 2900                          | 380                  |
| 40CQ-20     | 40                 | 10.8                 | 20                | 4.0                                                | 2.2                         | 2900                          | 380                  |
| 40CQ-32     | 40                 | 12                   | 32                | 4.0                                                | 4.0                         | 2900                          | 380                  |
| 50CQ-25     | 50                 | 14.4                 | 25                | 4.0                                                | 4.0                         | 2900                          | 380                  |
| 50CQ-40     | 50                 | 13.2                 | 40                | 4.0                                                | 4.0                         | 2900                          | 380                  |
| 50CQ-50     | 50                 | 7.8                  | 50                | 4.0                                                | 5.5                         | 2900                          | 380                  |
| 65CQ-25     | 65                 | 16.8                 | 25                | 4.0                                                | 5.5                         | 2900                          | 380                  |
| 65CQ-35     | 65                 | 27                   | 35                | 4.0                                                | 7.5                         | 2900                          | 380                  |
| 80CQ-20     | 80                 | 50                   | 20                | 4.0                                                | 7.5                         | 2900                          | 380                  |
| 80CQ-35     | 80                 | 50                   | 35                | 4.0                                                | 11                          | 2900                          | 380                  |

## 性能曲线 PERFORMANCE GRAPH



## 安装尺寸 INSTALLATION DIMENSIONS



| 型号 Model | 4-φa                 | 4-φb | φc  | φd  | Dnc | Dnj | 4-φe | L1  | L2 | L3  | L4  | L5 | L6  | L7  | H   | H1  |
|----------|----------------------|------|-----|-----|-----|-----|------|-----|----|-----|-----|----|-----|-----|-----|-----|
| 16CQ-8   | 管子连接 Pipe connection |      |     |     |     |     | 7    | 330 | 60 | 125 | 71  | 50 | 90  | 140 | 140 | 60  |
| 20CQ-12  |                      |      |     |     |     |     | 8    | 350 | 57 | 130 | 80  | 55 | 100 | 160 | 170 | 73  |
| 25CQ-15  | 10                   | 12   | 75  | 65  | 90  | 100 | 10   | 460 | 68 | 190 | 100 | 72 | 125 | 240 | 205 | 80  |
| 32CQ-15  | 12                   | 14   | 90  | 75  | 100 | 120 | 10   | 460 | 68 | 190 | 100 | 72 | 125 | 240 | 205 | 80  |
| 32CQ-25  | 14                   | 14   | 90  | 75  | 100 | 120 | 10   | 460 | 68 | 190 | 100 | 85 | 125 | 260 | 260 | 80  |
| 40CQ-20  | 14                   | 14   | 100 | 90  | 120 | 130 | 10   | 545 | 75 | 235 | 125 | 78 | 140 | 290 | 220 | 90  |
| 40CQ-32  | 14                   | 14   | 100 | 90  | 120 | 130 | 12   | 620 | 80 | 271 | 140 | 91 | 190 | 336 | 260 | 112 |
| 50CQ-25  | 14                   | 14   | 110 | 100 | 130 | 140 | 12   | 620 | 80 | 271 | 140 | 91 | 190 | 336 | 260 | 112 |
| 50CQ-40  | 14                   | 14   | 110 | 100 | 130 | 140 | 12   | 620 | 90 | 305 | 140 | 91 | 190 | 336 | 260 | 112 |
| 50CQ-50  | 14                   | 14   | 110 | 100 | 130 | 140 | 12   | 695 | 90 | 305 | 140 | 0  | 216 | 350 | 300 | 132 |
| 65CQ-25  | 14                   | 14   | 130 | 110 | 140 | 160 | 12   | 695 | 90 | 305 | 140 | 91 | 216 | 350 | 300 | 132 |
| 65CQ-35  | 14                   | 14   | 130 | 110 | 140 | 160 | 12   | 720 | 76 | 360 | 140 | 0  | 216 | 350 | 292 | 132 |

## 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.



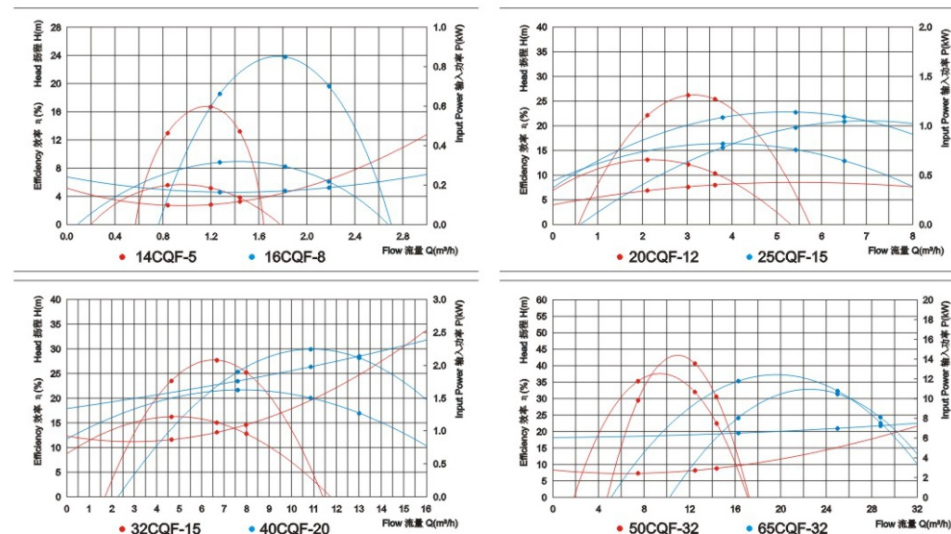
## 型号意义 SIGNIFICATION OF MODEL

40 CQ F - 20  
扬程(m)  
Head(m)  
工程塑料  
Engineering plastics  
磁力泵  
Magnetic pump  
进口直径(mm)  
Inlet diameter (mm)

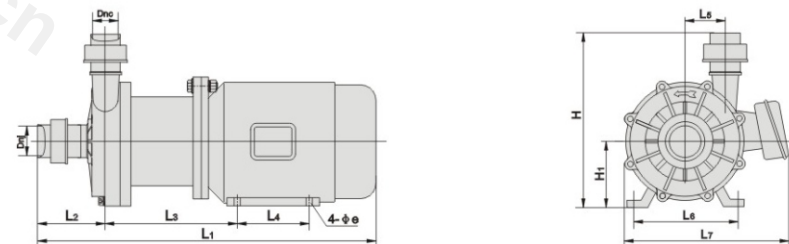
## 性能参数 PERFORMANCE PARAMETERS

| 型号<br>Model | 口径 (mm)<br>Caliber | 流量<br>(m³/h)<br>Flow | 扬程<br>(m)<br>Head | 汽蚀余量<br>(NPSH)r(m)<br>Net positive suction head | 电机功率<br>(kW)<br>Motor power | 转速<br>(r/min)<br>Rotary speed | 电压<br>(V)<br>Voltage |
|-------------|--------------------|----------------------|-------------------|-------------------------------------------------|-----------------------------|-------------------------------|----------------------|
| 10CQF-3     | 10                 | 0.9                  | 3                 | 7.8                                             | 0.025                       | 2900                          | 220                  |
| 14CQF-5     | 14                 | 1.2                  | 5                 | 7.0                                             | 0.12                        | 2900                          | 220/380              |
| 16CQF-8     | 16                 | 1.8                  | 8                 | 6.0                                             | 0.18                        | 2900                          | 220/380              |
| 20CQF-12    | 20                 | 3                    | 12                | 6.0                                             | 0.37                        | 2900                          | 220/380              |
| 25CQF-15    | 25                 | 5.4                  | 15                | 5.0                                             | 1.1                         | 2900                          | 380                  |
| 32CQF-15    | 32                 | 6.6                  | 15                | 6.0                                             | 1.1                         | 2900                          | 380                  |
| 32CQF-25    | 32                 | 4.8                  | 25                | 5.5                                             | 1.1                         | 2900                          | 380                  |
| 40CQF-20    | 40                 | 10.8                 | 20                | 3.5                                             | 2.2                         | 2900                          | 380                  |
| 50CQF-25    | 50                 | 12.5                 | 25                | 3.5                                             | 3.0                         | 2900                          | 380                  |
| 50CQF-32    | 50                 | 12.5                 | 32                | 3.5                                             | 4.0                         | 2900                          | 380                  |
| 65CQF-32    | 65                 | 25                   | 32                | 3.5                                             | 7.5                         | 2900                          | 380                  |

## 性能曲线 PERFORMANCE GRAPH



## 安装尺寸 INSTALLATION DIMENSIONS



| 型号 Model | Dn1 | Dn2 | L1  | L2  | L3  | L4  | L5  | L6  | L7  | 4-φe | H   | H1  |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|
| 10CQF-3  | 16  | 15  | 200 | 40  | 60  | 50  | 68  | 25  | /   | 6    | 100 | 45  |
| 14CQF-5  | 25  | 16  | 300 | 46  | 115 | 68  | 90  | 37  | /   | 8    | 125 | 56  |
| 16CQF-8  | 25  | 16  | 306 | 46  | 115 | 70  | 90  | 40  | /   | 8    | 125 | 56  |
| 20CQF-12 | 25  | 18  | 350 | 60  | 140 | 80  | 100 | 55  | /   | 8    | 175 | 80  |
| 25CQF-15 | 32  | 25  | 490 | 110 | 180 | 100 | 60  | 125 | 235 | 10   | 250 | 80  |
| 32CQF-15 | 40  | 32  | 490 | 110 | 180 | 100 | 60  | 125 | 235 | 10   | 250 | 80  |
| 32CQF-25 | 40  | 32  | 500 | 120 | 185 | 100 | 70  | 125 | 255 | 10   | 270 | 80  |
| 40CQF-20 | 50  | 32  | 556 | 120 | 200 | 125 | 80  | 140 | 267 | 10   | 280 | 90  |
| 50CQF-25 | 65  | 50  | 650 | 130 | 240 | 140 | 80  | 190 | 280 | 12   | 350 | 112 |
| 50CQF-32 | 65  | 50  | 650 | 130 | 240 | 140 | 80  | 190 | 280 | 12   | 350 | 112 |
| 65CQF-32 | 80  | 65  | 710 | 135 | 280 | 140 | 90  | 216 | 330 | 12   | 360 | 132 |



### 产品特点 PRODUCT FEATURES

自吸泵顾名思义，就是泵启动前不需引灌水，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型自吸式磁力泵，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。

Just as its name implies, self-priming pump doesn't need priming water before start. After a short time of running, water is absorbed by pump itself for 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.

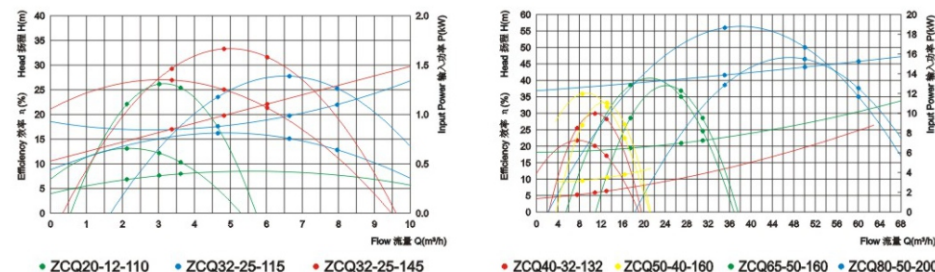
### 型号意义 SIGNIFICATION OF MODEL



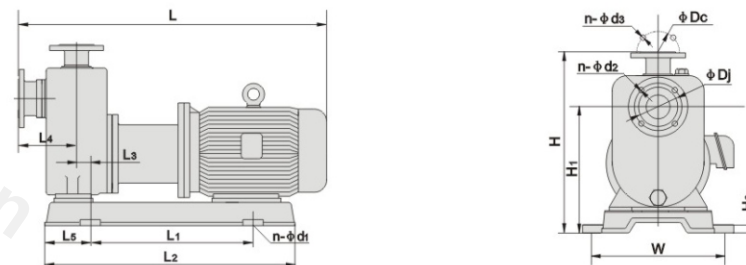
### 性能参数 PERFORMANCE PARAMETERS

| 型号<br>Model   | 口径 (mm)<br>Caliber |              | 流量<br>(m³/h)<br>Flow | 扬程<br>(m)<br>Head | 汽蚀余量<br>(NPSH)r(m)<br>Net positive suction head | 电机功率<br>(kW)<br>Motor power | 转速<br>(r/min)<br>Rotary speed | 电压<br>(V)<br>Voltage |
|---------------|--------------------|--------------|----------------------|-------------------|-------------------------------------------------|-----------------------------|-------------------------------|----------------------|
|               | 进口<br>Inlet        | 出口<br>Outlet |                      |                   |                                                 |                             |                               |                      |
| ZCQ20-12-110  | 20                 | 12           | 3                    | 12                | 6.0                                             | 0.37                        | 2900                          | 220/380              |
| ZCQ25-20-115  | 25                 | 20           | 5.4                  | 15                | 6.0                                             | 1.1                         | 2900                          | 380                  |
| ZCQ32-25-115  | 32                 | 25           | 4.8                  | 15                | 6.0                                             | 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                | 4.0                                             | 2.2                         | 2900                          | 380                  |
| ZCQ40-32-160  | 40                 | 32           | 12                   | 32                | 4.0                                             | 4.0                         | 2900                          | 380                  |
| ZCQ50-40-145  | 50                 | 40           | 14.4                 | 25                | 4.0                                             | 4.0                         | 2900                          | 380                  |
| ZCQ50-40-160  | 50                 | 40           | 13.2                 | 32                | 4.0                                             | 4.0                         | 2900                          | 380                  |
| ZCQ50-32-200  | 50                 | 32           | 7.8                  | 50                | 4.0                                             | 5.5                         | 2900                          | 380                  |
| ZCQ65-50-145  | 65                 | 50           | 16.8                 | 25                | 4.0                                             | 5.5                         | 2900                          | 380                  |
| ZCQ65-50-160  | 65                 | 50           | 27                   | 32                | 4.0                                             | 7.5                         | 2900                          | 380                  |
| ZCQ80-65-125  | 80                 | 65           | 50                   | 20                | 4.0                                             | 7.5                         | 2900                          | 380                  |
| ZCQ80-65-160  | 80                 | 65           | 50                   | 32                | 4.0                                             | 15                          | 2900                          | 380                  |
| ZCQ80-50-200  | 80                 | 50           | 50                   | 50                | 4.0                                             | 18.5                        | 2900                          | 380                  |
| ZCQ100-80-160 | 100                | 80           | 100                  | 32                | 4.0                                             | 22                          | 2900                          | 380                  |
| ZCQ100-65-200 | 100                | 65           | 100                  | 50                | 4.0                                             | 30                          | 2900                          | 380                  |

### 性能曲线 PERFORMANCE GRAPH



### 安装尺寸 INSTALLATION DIMENSIONS



| 型号<br>Model  | L   | H   | 底盘 Chassis     |                    |                    | 进口法兰<br>Inlet flange |                    | 出口法兰<br>Outlet flange |                    | H <sub>1</sub> | H <sub>2</sub> | L <sub>3</sub> | L <sub>4</sub> | L <sub>5</sub> |
|--------------|-----|-----|----------------|--------------------|--------------------|----------------------|--------------------|-----------------------|--------------------|----------------|----------------|----------------|----------------|----------------|
|              |     |     | L <sub>2</sub> | L <sub>1</sub> × W | n-φ d <sub>1</sub> | D <sub>j</sub>       | n-φ d <sub>2</sub> | D <sub>c</sub>        | n-φ d <sub>s</sub> |                |                |                |                |                |
| ZCQ20-12-110 | 410 | 320 | 325            | 215×200            | 4-12               | 65                   | 4-12               | 55                    | 4-12               | 230            | 20             | /              | 85             | 55             |
| ZCQ25-20-115 | 520 | 340 | 450            | 285×250            | 4-14               | 75                   | 4-12               | 65                    | 4-12               | 240            | 20             | /              | 100            | 80             |
| ZCQ32-25-115 | 520 | 340 | 450            | 285×250            | 4-14               | 90                   | 4-14               | 75                    | 4-12               | 240            | 20             | /              | 100            | 80             |
| ZCQ32-25-145 | 570 | 360 | 450            | 285×260            | 4-14               | 90                   | 4-14               | 75                    | 4-12               | 270            | 20             | /              | 100            | 80             |
| ZCQ40-32-132 | 620 | 370 | 510            | 350×280            | 4-14               | 100                  | 4-14               | 90                    | 4-14               | 270            | 20             | 10             | 110            | 80             |
| ZCQ40-32-160 | 665 | 400 | 510            | 370×330            | 4-16               | 100                  | 4-14               | 90                    | 4-14               | 300            | 20             | 55             | 110            | 125            |
| ZCQ50-40-145 | 660 | 400 | 510            | 370×330            | 4-16               | 110                  | 4-14               | 100                   | 4-14               | 270            | 20             | 55             | 110            | 70             |
| ZCQ50-40-160 | 685 | 400 | 560            | 370×330            | 4-16               | 110                  | 4-14               | 100                   | 4-14               | 300            | 20             | 55             | 110            | 125            |
| ZCQ50-32-200 | 830 | 550 | 600            | 355×355            | 4-16               | 110                  | 4-14               | 90                    | 4-14               | 450            | 20             | 60             | 110            | 125            |
| ZCQ65-50-145 | 760 | 430 | 600            | 355×355            | 4-16               | 130                  | 4-14               | 110                   | 4-14               | 310            | 20             | 60             | 120            | 125            |
| ZCQ65-50-160 | 810 | 480 | 600            | 355×355            | 4-16               | 130                  | 4-14               | 110                   | 4-14               | 340            | 20             | 60             | 110            | 125            |

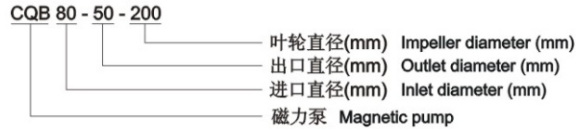


### 产品特点 PRODUCT FEATURES

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.

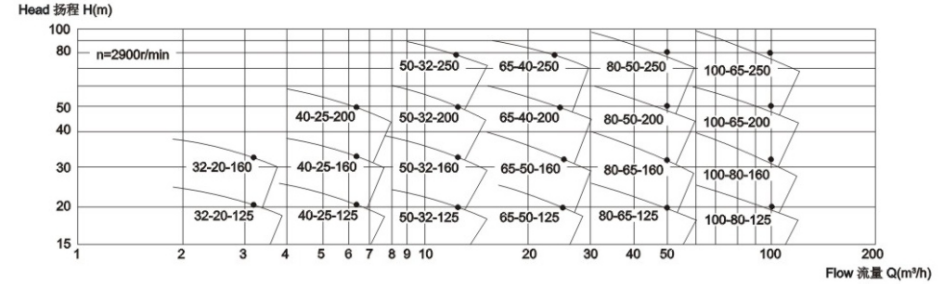
### 型号意义 SIGNIFICATION OF MODEL



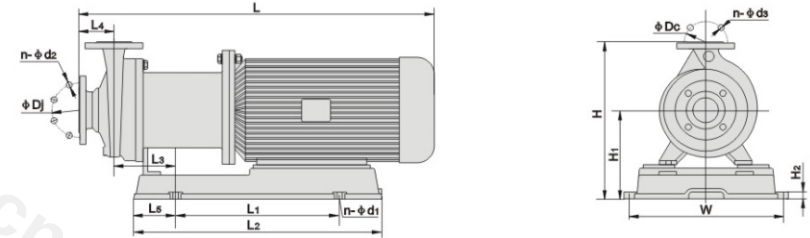
### 性能参数 PERFORMANCE PARAMETERS

| 型号<br>Model    | 口径 (mm)<br>Caliber | 流量<br>(m³/h)<br>Flow | 扬程<br>(m)<br>Head | 汽蚀余量<br>(NPSH)r(m)<br>Net positive<br>suction head | 电机功率<br>(kW)<br>Motor power | 转速<br>(r/min)<br>Rotary speed | 电压<br>(V)<br>Voltage |
|----------------|--------------------|----------------------|-------------------|----------------------------------------------------|-----------------------------|-------------------------------|----------------------|
| CQB32-20-105   | 32                 | 20                   | 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                   | 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                   | 20                | 4.0                                                | 3                           | 2900                          | 380                  |
| CQB50-32-160   |                    |                      | 32                | 4.0                                                | 4                           | 2900                          | 380                  |
| CQB50-32-200   |                    |                      | 50                | 4.0                                                | 7.5                         | 2900                          | 380                  |
| CQB50-32-250   |                    |                      | 80                | 4.0                                                | 15                          | 2900                          | 380                  |
| CQB65-50-125   | 65                 | 50                   | 20                | 4.0                                                | 5.5                         | 2900                          | 380                  |
| CQB65-50-160   |                    |                      | 32                | 4.0                                                | 7.5                         | 2900                          | 380                  |
| CQB65-40-200   |                    | 40                   | 50                | 4.0                                                | 15                          | 2900                          | 380                  |
| CQB65-40-250   |                    |                      | 80                | 4.0                                                | 22                          | 2900                          | 380                  |
| CQB80-65-125   | 80                 | 65                   | 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                   | 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                  | 50                | 3.2                                                | 75                          | 2900                          | 380                  |
| CQB125-100-250 |                    |                      | 80                | 3.2                                                | 90                          | 2900                          | 380                  |

### 型谱图 TYPE ARRANGEMENT CHART



### 安装尺寸 INSTALLATION DIMENSIONS



| 型 号<br>Model | L   | H   | 底 盘 Chassis    |                   |                    | 进口法兰<br>Inlet flange |                    | 出口法兰<br>Outlet flange |                    | H <sub>1</sub> | H <sub>2</sub> | L <sub>3</sub> | L <sub>4</sub> | L <sub>5</sub> |
|--------------|-----|-----|----------------|-------------------|--------------------|----------------------|--------------------|-----------------------|--------------------|----------------|----------------|----------------|----------------|----------------|
|              |     |     | L <sub>2</sub> | L <sub>1</sub> ×W | n-φ d <sub>1</sub> | Dj                   | n-φ d <sub>2</sub> | Dc                    | n-φ d <sub>3</sub> |                |                |                |                |                |
| CQB32-20-105 | 450 | 245 | 325            | 180×250           | 4-16               | 100                  | 4-18               | 75                    | 4-14               | 115            | 20             | 100            | 70             | 80             |
| CQB32-20-125 | 560 | 342 | 385            | 185×270           | 4-16               | 100                  | 4-18               | 75                    | 4-14               | 115            | 20             | 100            | 70             | 80             |
| CQB32-20-160 | 560 | 360 | 385            | 185×270           | 4-16               | 100                  | 4-18               | 75                    | 4-14               | 195            | 20             | 100            | 80             | 75             |
| CQB40-25-125 | 560 | 325 | 385            | 185×270           | 4-16               | 110                  | 4-18               | 85                    | 4-14               | 178            | 20             | 110            | 80             | 75             |
| CQB40-25-160 | 668 | 370 | 440            | 270×330           | 4-16               | 110                  | 4-18               | 85                    | 4-14               | 210            | 20             | 140            | 80             | 85             |
| CQB40-25-200 | 740 | 440 | 535            | 345×350           | 4-16               | 110                  | 4-18               | 85                    | 4-14               | 230            | 20             | 98             | 88             | 80             |
| CQB50-32-125 | 645 | 350 | 440            | 275×290           | 4-16               | 125                  | 4-18               | 100                   | 4-18               | 190            | 20             | 140            | 80             | 85             |
| CQB50-32-160 | 668 | 370 | 440            | 270×330           | 4-16               | 125                  | 4-18               | 100                   | 4-18               | 210            | 20             | 140            | 80             | 85             |
| CQB50-32-200 | 740 | 440 | 535            | 345×350           | 4-16               | 125                  | 4-18               | 100                   | 4-18               | 230            | 20             | 98             | 88             | 80             |
| CQB50-32-250 | 870 | 480 | 700            | 410×405           | 4-18               | 125                  | 4-18               | 100                   | 4-18               | 260            | 20             | 100            | 105            | 85             |
| CQB65-50-125 | 795 | 400 | 535            | 345×350           | 4-16               | 145                  | 4-18               | 125                   | 4-18               | 260            | 20             | 130            | 100            | 80             |
| CQB65-50-160 | 795 | 420 | 535            | 340×350           | 4-16               | 145                  | 4-18               | 125                   | 4-18               | 260            | 20             | 130            | 100            | 80             |
| CQB65-40-200 | 970 | 440 | 700            | 410×405           | 4-18               | 145                  | 4-18               | 110                   | 4-18               | 260            | 20             | 190            | 100            | 132            |
| CQB65-40-250 | 980 | 500 | 700            | 470×445           | 4-18               | 145                  | 4-18               | 110                   | 4-18               | 280            | 20             | 160            | 100            | 120            |
| CQB80-65-125 | 795 | 420 | 535            | 345×350           | 4-16               | 160                  | 8-18               | 145                   | 4-18               | 260            | 20             | 130            | 100            | 80             |
| CQB80-65-160 | 920 | 440 | 700            | 410×405           | 4-18               | 160                  | 8-18               | 145                   | 4-18               | 260            | 20             | 175            | 100            | 120            |
| CQB80-50-200 | 980 | 460 | 700            | 470×445           | 4-18               | 160                  | 8-18               | 125                   | 4-18               | 260            | 20             | 190            | 100            | 132            |



### 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 SIGNIFICATION OF MODEL

CQB 80 - 65 - 160 G  
高温 High Temperature  
叶轮直径(mm) Impeller diameter (mm)  
出口直径(mm) Outlet diameter (mm)  
进口直径(mm) Inlet diameter (mm)  
磁力泵 Magnetic pump

### 性能参数 PERFORMANCE PARAMETERS (型谱图参照CQB型系列 Refer to CQB series for spectrum diagram)

| 型号<br>Model    | 口径 (mm)<br>Caliber |              | 流量<br>(m³/h)<br>Flow | 扬程<br>(m)<br>Head | 汽蚀余量<br>(NPSH)r(m)<br>Net positive suction head | 电机功率<br>(kW)<br>Motor power | 转速<br>(r/min)<br>Rotary speed | 电压<br>(V)<br>Voltage |
|----------------|--------------------|--------------|----------------------|-------------------|-------------------------------------------------|-----------------------------|-------------------------------|----------------------|
|                | 进口<br>Inlet        | 出口<br>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                 | 32           | 12.5                 | 50                | 4.5                                             | 5.5                         | 2900                          | 380                  |
| CQB50-32-125G  |                    |              |                      | 20                | 4.0                                             | 3                           | 2900                          | 380                  |
| CQB50-32-160G  |                    |              |                      | 32                | 4.0                                             | 4                           | 2900                          | 380                  |
| CQB50-32-200G  |                    |              |                      | 50                | 4.0                                             | 7.5                         | 2900                          | 380                  |
| CQB50-32-250G  | 65                 | 40           | 25                   | 80                | 4.0                                             | 15                          | 2900                          | 380                  |
| CQB65-50-125G  |                    |              |                      | 20                | 4.0                                             | 5.5                         | 2900                          | 380                  |
| CQB65-50-160G  |                    |              |                      | 32                | 4.0                                             | 7.5                         | 2900                          | 380                  |
| CQB65-50-200G  |                    |              |                      | 50                | 4.0                                             | 15                          | 2900                          | 380                  |
| CQB65-40-200G  | 80                 | 50           | 50                   | 80                | 4.0                                             | 22                          | 2900                          | 380                  |
| CQB65-40-250G  |                    |              |                      | 20                | 3.5                                             | 7.5                         | 2900                          | 380                  |
| CQB80-65-125G  |                    |              |                      | 32                | 3.5                                             | 15                          | 2900                          | 380                  |
| CQB80-65-160G  |                    |              |                      | 50                | 3.5                                             | 22                          | 2900                          | 380                  |
| CQB80-50-200G  | 100                | 65           | 100                  | 80                | 3.5                                             | 37                          | 2900                          | 380                  |
| CQB80-50-250G  |                    |              |                      | 20                | 3.2                                             | 15                          | 2900                          | 380                  |
| CQB100-80-125G |                    |              |                      | 32                | 3.2                                             | 22                          | 2900                          | 380                  |
| CQB100-80-160G |                    |              |                      | 50                | 3.2                                             | 37                          | 2900                          | 380                  |
| CQB100-65-200G | 100                | 65           | 100                  | 80                | 3.2                                             | 55                          | 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。

CQG型立式磁力泵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.

CQG vertical magnetic pump 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 SIGNIFICATION OF MODEL

CQG 32 - 125  
叶轮名义直径(mm) Impeller diameter (mm)  
进出口直径(mm) Inlet & Outlet diameter (mm)  
立式管道磁力泵 Vertical pipeline magnetic pump

### 性能参数 PERFORMANCE PARAMETERS

| 型号<br>Model | 流量<br>(m³/h)<br>Flow | 扬程<br>(m)<br>Head | 效率<br>(%)<br>Efficiency | 电机功率<br>(kW)<br>Motor power | 汽蚀余量<br>(NPSH)r(m)<br>Net positive suction head |
|-------------|----------------------|-------------------|-------------------------|-----------------------------|-------------------------------------------------|
| CQG25-110   | 4.0                  | 15                | 27                      | 0.75                        | 2.3                                             |
| CQG25-125   | 4.0                  | 20                | 21                      | 1.1                         | 2.3                                             |
| CQG25-160   | 4.0                  | 32                | 17                      | 2.2                         | 2.3                                             |
| CQG32-100   | 4.5                  | 12.5              | 29                      | 0.75                        | 2.0                                             |
| CQG32-125   | 4.5                  | 20                | 29                      | 1.1                         | 2.3                                             |
| CQG32-160   | 4.5                  | 32                | 29                      | 2.2                         | 2.3                                             |
| CQG32-200   | 4.5                  | 50                | 17                      | 4                           | 2.0                                             |
| CQG40-125   | 6.3                  | 20                | 31                      | 1.5                         | 2.3                                             |
| CQG40-160   | 6.3                  | 32                | 25                      | 3                           | 2.3                                             |
| CQG40-200   | 6.3                  | 50                | 18                      | 5.5                         | 2.3                                             |
| CQG40-250   | 6.3                  | 80                | 13                      | 11                          | 2.3                                             |
| CQG50-100   | 12.5                 | 12.5              | 47                      | 1.5                         | 2.3                                             |
| CQG50-125   | 12.5                 | 20                | 43                      | 2.2                         | 2.3                                             |
| CQG50-160   | 12.5                 | 32                | 37                      | 4                           | 2.3                                             |
| CQG50-200   | 12.5                 | 50                | 31                      | 7.5                         | 2.3                                             |
| CQG50-250   | 12.5                 | 80                | 23                      | 15                          | 2.3                                             |
| CQG65-100   | 25                   | 12.5              | 54                      | 2.2                         | 2.5                                             |
| CQG65-125   | 25                   | 20                | 53                      | 3                           | 2.5                                             |

| 型号<br>Model | 流量<br>(m³/h)<br>Flow | 扬程<br>(m)<br>Head | 效率<br>(%)<br>Efficiency | 电机功率<br>(kW)<br>Motor power | 汽蚀余量<br>(NPSH)r(m)<br>Net positive suction head |
|-------------|----------------------|-------------------|-------------------------|-----------------------------|-------------------------------------------------|
| CQG65-160   | 25                   | 32                | 48                      | 5.5                         | 2.5                                             |
| CQG65-200   | 25                   | 50                | 43                      | 11                          | 2.5                                             |
| CQG65-250   | 25                   | 80                | 35                      | 18.5                        | 2.5                                             |
| CQG80-100   | 50                   | 12.5              | 58                      | 4                           | 3.0                                             |
| CQG80-125   | 50                   | 20                | 57.5                    | 7.5                         | 3.0                                             |
| CQG80-160   | 50                   | 32                | 56                      | 11                          | 3.0                                             |
| CQG80-200   | 50                   | 50                | 52                      | 18.5                        | 3.0                                             |
| CQG80-250   | 50                   | 80                | 44                      | 30                          | 3.0                                             |
| CQG100-100  | 100                  | 12.5              | 61                      | 7.5                         | 4.5                                             |
| CQG100-125  | 100                  | 20                | 61                      | 15                          | 4.5                                             |
| CQG100-160  | 100                  | 32                | 61                      | 18.5                        | 4.5                                             |
| CQG100-200  | 100                  | 50                | 59                      | 30                          | 4.0                                             |
| CQG100-250  | 100                  | 80                | 54                      | 45                          | 4.0                                             |
| CQG125-125  | 160                  | 20                | 65                      | 18.5                        | 4.0                                             |
| CQG125-160  | 160                  | 32                | 63                      | 30                          | 4.0                                             |
| CQG125-200  | 160                  | 50                | 62                      | 45                          | 5.5                                             |
| CQG125-250  | 160                  | 80                | 60                      | 75                          | 5.0                                             |

### 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(PVF<sub>2</sub>)和超高分子量聚乙烯(UHMWPE)”制造。在常温下, PVF<sub>2</sub>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 PVF<sub>2</sub> and UHMWPE. Under normal temp., PVF<sub>2</sub> 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 SIGNIFICATION OF MODEL

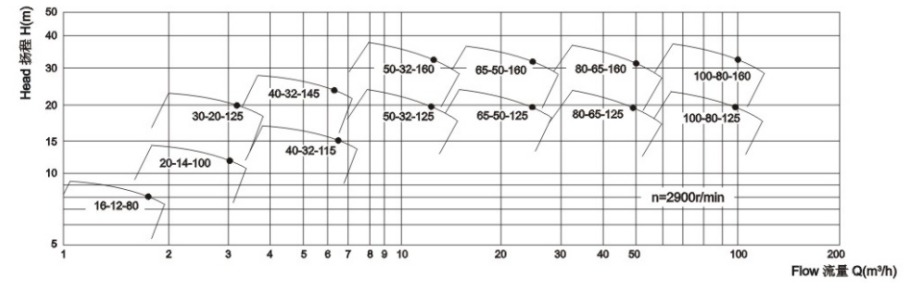
CQB 40 - 25 - 160 F

过流部件为氟塑料 Wet parts as fluoric plastic  
叶轮直径(mm) Impeller diameter (mm)  
出口直径(mm) Outlet diameter (mm)  
进口直径(mm) Inlet diameter (mm)  
磁力泵 Magnetic pump

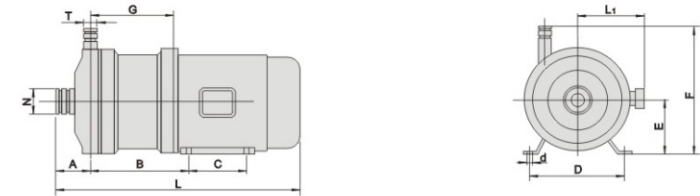
### 性能参数 PERFORMANCE PARAMETERS

| 型号<br>Model   | 口径 Caliber (mm) |           | 流量<br>(m <sup>3</sup> /h)<br>Flow | 扬程<br>(m)<br>Head | 电机功率<br>(kW)<br>Motor power | 转速<br>(r/min)<br>Rotary speed | 电压<br>(V)<br>Voltage |
|---------------|-----------------|-----------|-----------------------------------|-------------------|-----------------------------|-------------------------------|----------------------|
|               | 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                  |

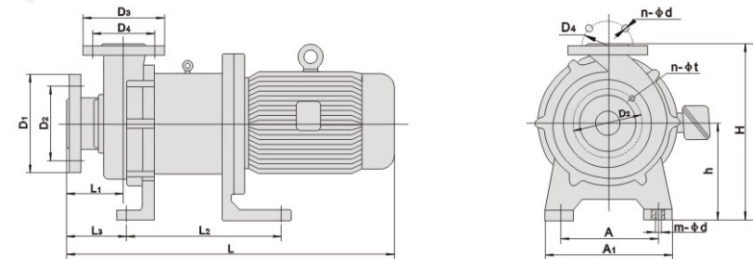
### 型谱图 TYPE ARRANGEMENT CHART



### 安装尺寸 INSTALLATION DIMENSIONS



| 型号 Model      | A    | B     | C  | D   | E  | F   | d | G     | L <sub>1</sub> | L   | N  | T  |
|---------------|------|-------|----|-----|----|-----|---|-------|----------------|-----|----|----|
| CQB15-10-85F  | 56.5 | 93.5  | 80 | 100 | 63 | 144 | 7 | 87.5  | 75             | 304 | 22 | 18 |
| CQB20-15-105F | 54.5 | 125.5 | 90 | 112 | 71 | 165 | 7 | 111.5 | 85             | 340 | 26 | 18 |



| 型号 Model      | D <sub>1</sub> | D <sub>2</sub> | n-φt   | D <sub>3</sub> | D <sub>4</sub> | n-φd   | L <sub>3</sub> | L <sub>2</sub> | L <sub>1</sub> | L   | A   | A <sub>1</sub> | h   | H   | m-φd   |
|---------------|----------------|----------------|--------|----------------|----------------|--------|----------------|----------------|----------------|-----|-----|----------------|-----|-----|--------|
| CQB32-25-125F | 140            | 100            | 4-17.5 | 115            | 85             | 4-13.5 | 80             | 200            | 69             | 500 | 140 | 180            | 140 | 254 | 4-13.5 |
| CQB40-32-115F | 150            | 110            | 4-17.5 | 140            | 100            | 4-17.5 | 86             | 200            | 73             | 406 | 160 | 200            | 150 | 280 | 4-13.5 |
| CQB40-32-145F | 150            | 110            | 4-17.5 | 140            | 100            | 4-17.5 | 86             | 200            | 73             | 506 | 160 | 200            | 150 | 280 | 4-13.5 |
| CQB50-40-125F | 165            | 125            | 4-17.5 | 150            | 110            | 4-17.5 | 80             | 200            | 83             | 528 | 190 | 240            | 165 | 310 | 4-13.5 |
| CQB50-40-160F | 165            | 125            | 4-17.5 | 150            | 110            | 4-17.5 | 80             | 250            | 83             | 583 | 190 | 240            | 165 | 310 | 4-13.5 |
| CQB65-50-125F | 185            | 145            | 4-17.5 | 165            | 125            | 4-17.5 | 83             | 258            | 81             | 600 | 194 | 250            | 200 | 380 | 4-17.5 |
| CQB65-50-160F | 185            | 145            | 4-17.5 | 165            | 125            | 4-17.5 | 83             | 258            | 81             | 600 | 194 | 250            | 200 | 380 | 4-17.5 |
| CQB80-65-125F | 200            | 160            | 4-17.5 | 185            | 145            | 4-17.5 | 102            | 342            | 101            | 740 | 230 | 300            | 250 | 450 | 4-25   |
| CQB80-65-160F | 200            | 160            | 4-17.5 | 185            | 145            | 4-17.5 | 102            | 342            | 101            | 900 | 230 | 300            | 250 | 450 | 4-25   |



## 型号意义 SIGNIFICATION OF MODEL

MP - 20R - X

无代号为软管接口普通型；M为进出口用螺纹接口；X为大流量型；Z为高扬程型  
Non-code means the ordinary type; M means the thread mouthpiece of both inlet and outlet;  
X means the large capacity type; Z means the high-head type

产品规格 Product specs

塑料磁力驱动循环泵 Plastic magnetic-driving centrifugal pump

## 性能参数 PERFORMANCE PARAMETERS

| 型号<br>Model | 软管接口<br>Tube interface |                   | 螺纹接口<br>Thread interface |                   | 最大流量<br>(L/min)<br>Max. Capacity | 最高扬程<br>(m)<br>Max. Head | 标准输出<br>Standard capacity |                | 介质密度<br>(g/cm³)<br>Medium density | 电机功率<br>(W)<br>Motor power | 转速<br>(r/min)<br>Rotary speed | 电压<br>(V)<br>Voltage |
|-------------|------------------------|-------------------|--------------------------|-------------------|----------------------------------|--------------------------|---------------------------|----------------|-----------------------------------|----------------------------|-------------------------------|----------------------|
|             | 进口 Inlet<br>(mm)       | 出口 Outlet<br>(mm) | 进口 Inlet<br>(inch)       | 出口 Outlet<br>(mm) |                                  |                          | 流量 Flow<br>(L/min)        | 扬程 Head<br>(m) |                                   |                            |                               |                      |
| MP-6R       | 14                     | 14                | -                        | -                 | 8                                | 1                        | 2.8                       | 0.8            | <1.2                              | 3                          | 2900                          | 220                  |
| MP-6RZ      | 14                     | 14                | -                        | -                 | 5.5                              | 2.1                      | 3.2                       | 0.8            | <1.1                              | 3                          | 2900                          | 220                  |
| MP-10R      | 14                     | 14                | -                        | -                 | 11                               | 1.5                      | 5                         | 1              | <1.1                              | 6                          | 2900                          | 220                  |
| MP-15R      | 16                     | 16                | -                        | -                 | 16                               | 2.7                      | 8                         | 1.5            | <1.3                              | 10                         | 2900                          | 220                  |
| MP-15RM     | -                      | -                 | 3/4                      | 13                | 16                               | 2.4                      | 8                         | 1.5            | <1.3                              | 10                         | 2900                          | 220                  |
| MP-20R      | 18                     | 18                | -                        | -                 | 27                               | 3.1                      | 17                        | 2              | <1.2                              | 20                         | 2900                          | 220                  |
| MP-20RM     | -                      | -                 | 3/4                      | 16                | 27                               | 3.1                      | 17                        | 2              | <1.2                              | 20                         | 2900                          | 220                  |
| MP-20RX     | 26                     | 26                | -                        | -                 | 46                               | 1.8                      | 30                        | 1              | <1.3                              | 20                         | 2900                          | 220                  |
| MP-20RZ     | 18                     | 18                | -                        | -                 | 10                               | 4.6                      | 7                         | 4              | <1.1                              | 20                         | 2900                          | 220                  |
| MP-30R      | 20                     | 20                | -                        | -                 | 33                               | 3.8                      | 16                        | 2.5            | <1.3                              | 45                         | 2900                          | 220                  |
| MP-30RM     | -                      | -                 | 3/4                      | 16                | 33                               | 3.8                      | 16                        | 2.5            | <1.3                              | 45                         | 2900                          | 220                  |
| MP-30RX     | 26                     | 26                | -                        | -                 | 62                               | 2.9                      | 32                        | 2              | <1.1                              | 45                         | 2900                          | 220                  |
| MP-30RZ     | 18                     | 18                | -                        | -                 | 15                               | 8                        | 10                        | 6              | <1.1                              | 45                         | 2900                          | 220                  |
| MP-30RZM    | -                      | -                 | 3/4                      | 13                | 15                               | 8                        | 10                        | 6              | <1.1                              | 45                         | 2900                          | 220                  |
| MP-40R      | 20                     | 20                | -                        | -                 | 45                               | 4.6                      | 22                        | 4              | <1.1                              | 65                         | 2900                          | 220                  |
| MP-40RM     | -                      | -                 | 3/4                      | 16                | 45                               | 4.6                      | 22                        | 4              | <1.1                              | 65                         | 2900                          | 220                  |
| MP-40RX     | 26                     | 26                | -                        | -                 | 75                               | 3.3                      | 47                        | 2              | <1.1                              | 65                         | 2900                          | 220                  |
| MP-55R      | 26                     | 26                | -                        | -                 | 60                               | 5.6                      | 30                        | 4              | <1.2                              | 90                         | 2900                          | 220/380              |
| MP-55RM     | -                      | -                 | 1                        | 20                | 60                               | 5.6                      | 30                        | 4              | <1.2                              | 90                         | 2900                          | 220/380              |
| MP-55RZ     | 26                     | 26                | -                        | -                 | 25                               | 10                       | 15                        | 8              | <1.1                              | 90                         | 2900                          | 220/380              |
| MP-70R      | 26                     | 26                | -                        | -                 | 86                               | 6.7                      | 50                        | 4              | <1.1                              | 150/180                    | 2900                          | 220/380              |
| MP-70RM     | -                      | -                 | 1                        | 20                | 86                               | 6.7                      | 50                        | 4              | <1.1                              | 150/180                    | 2900                          | 220/380              |
| MP-100R     | 26                     | 26                | -                        | -                 | 120                              | 8.6                      | 60                        | 7              | <1.3                              | 250/265                    | 2900                          | 220/380              |
| MP-100RM    | -                      | -                 | 1                        | 20                | 120                              | 8.6                      | 60                        | 7              | <1.3                              | 250/265                    | 2900                          | 220/380              |
| MP-100RX    | -                      | -                 | 1 1/4                    | 32                | 170                              | 9                        | 100                       | 5              | <1.3                              | 250                        | 2900                          | 220/380              |
| MP-120R     | -                      | -                 | 1 1/2                    | 36                | 220                              | 10.5                     | 140                       | 6              | <1.3                              | 370                        | 2900                          | 220/380              |
| MPH-400     | -                      | -                 | 1 1/2                    | 36                | 220                              | 12.5                     | 150                       | 8              | <1.3                              | 370                        | 2900                          | 220/380              |
| MPH-401     | -                      | -                 | 1 1/2                    | 36                | 260                              | 18                       | 120                       | 12             | <1.3                              | 750                        | 2900                          | 380                  |
| MPH-422     | -                      | -                 | 2                        | 40                | 320                              | 21                       | 160                       | 18             | <1.3                              | 1500                       | 2900                          | 380                  |
| MPH-423     | -                      | -                 | 2                        | 40                | 380                              | 22                       | 230                       | 18             | <1.3                              | 2200                       | 2900                          | 380                  |
| MPH-424     | -                      | -                 | 2 1/2                    | 40                | 410                              | 35.5                     | 208                       | 32             | <1.3                              | 3000                       | 2900                          | 380                  |

## 产品特点 PRODUCT FEATURES

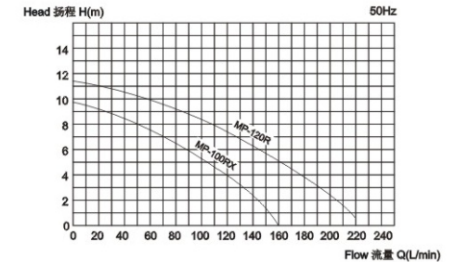
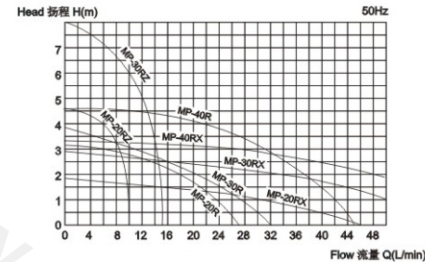
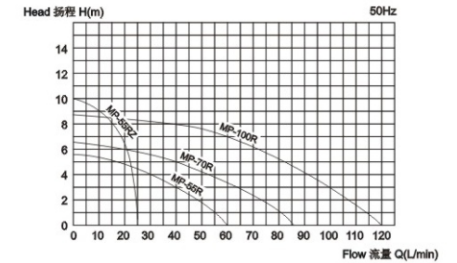
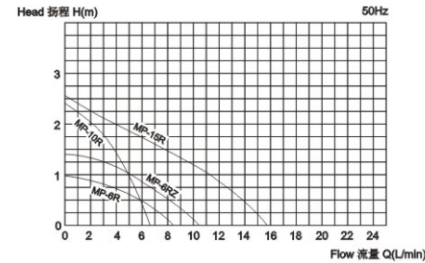
该泵为磁力泵技术高领域的结晶。凝结了本单位设计人员多年的心血，也是磁力泵中技术含量最高的产品。

MP型磁力泵设计特别、造形美观、尤其是轴承采用特种配方陶瓷材料，具有极强的耐磨性和抗腐蚀性，走出了磁力泵“严禁空载”的禁区，保证了它的先进性和安全性。

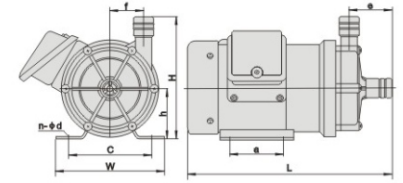
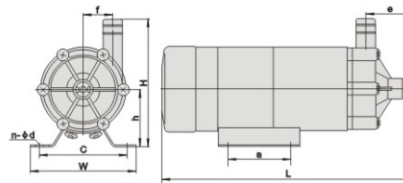
The pump is crystallization in the hi-tech field of magnetic pump. It combines many years of efforts of our designers, which also contains the highest technical content among various magnetic pumps.

MP magnetic pump has a unique design with stylish appearance. In particular, its bearing adopts ceramic material with special formula, bringing about extremely strong resistance to abrasion and corrosion. Thus we've gone out of the forbidden area of "No Loading" for magnetic pump to ensure its leading position and safety.

## 性能曲线 PERFORMANCE GRAPH



## 安装尺寸 INSTALLATION DIMENSIONS



| 型号<br>Model | a  | c   | n-φd | e  | f  | h  | H   | W   | L   |
|-------------|----|-----|------|----|----|----|-----|-----|-----|
| MP-6R       | /  | 60  | 2-7  | 31 | 17 | 36 | 83  | 74  | 130 |
| MP-6RZ      | /  | 60  | 2-7  | 31 | 17 | 36 | 83  | 74  | 130 |
| MP-15R      | 49 | 68  | 4-6  | 38 | 23 | 45 | 100 | 82  | 197 |
| MP-20R      | 30 | 68  | 4-6  | 39 | 29 | 56 | 116 | 85  | 209 |
| MP-20RZ     | 30 | 68  | 4-6  | 40 | 40 | 56 | 126 | 85  | 212 |
| MP-20RM     | 30 | 68  | 4-6  | 34 | 29 | 56 | 117 | 85  | 205 |
| MP-30R      | 40 | 100 | 4-9  | 48 | 30 | 60 | 130 | 120 | 250 |
| MP-30RZ     | 40 | 100 | 4-9  | 40 | 40 | 60 | 130 | 120 | 234 |
| MP-30RM     | 40 | 100 | 4-9  | 48 | 30 | 60 | 130 | 120 | 250 |

| 型号<br>Model | a  | c   | n-φd | e  | f  | h  | H   | W   | L   |
|-------------|----|-----|------|----|----|----|-----|-----|-----|
| MP-40R      | 40 | 100 | 9    | 48 | 30 | 60 | 130 | 120 | 274 |
| MP-40RM     | 40 | 100 | 9    | 48 | 30 | 60 | 130 | 120 | 274 |
| MP-55R      | 40 | 100 | 9    | 56 | 43 | 66 | 161 | 120 | 275 |
| MP-55RZ     | 40 | 100 | 9    | 56 | 43 | 66 | 161 | 120 | 275 |
| MP-70R      | 70 | 108 | 9    | 56 | 44 | 66 | 161 | 142 | 267 |
| MP-70RM     | 70 | 108 | 9    | 53 | 44 | 66 | 156 | 142 | 264 |
| MP-100R     | 70 | 110 | 9    | 66 | 44 | 74 | 174 | 156 | 322 |
| MP-100RM    | 70 | 110 | 9    | 66 | 44 | 74 | 174 | 156 | 322 |
| MP-100RX    | 70 | 110 | 9    | 63 | 40 | 74 | 174 | 156 | 323 |
| MP-120R     | 98 | 110 | 12   | 80 | 51 | 93 | 208 | 140 | 359 |

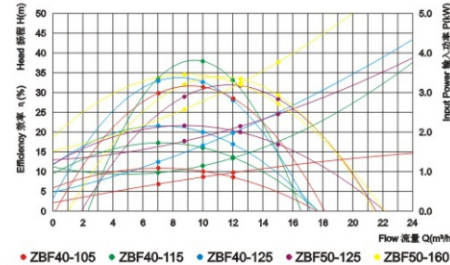
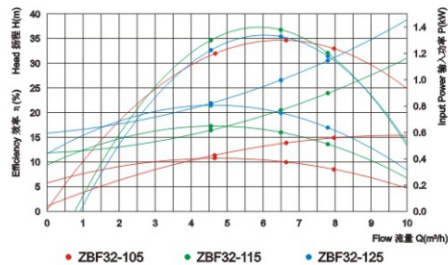


## 型号意义 SIGNIFICATION OF MODEL

ZBF 40 - 125

叶轮直径(mm) Impeller diameter (mm)  
进出口直径(mm) Inlet & Outlet diameter (mm)  
自吸式塑料磁力泵 Self-priming Plastic Magnetic Pump

## 性能曲线 PERFORMANCE GRAPH



## 性能参数 PERFORMANCE PARAMETERS

| 型 号<br>Model | 口径 Caliber (mm) |           | 流量<br>(m³/h)<br>Flow | 扬程<br>(m)<br>Head | 吸程<br>(m)<br>Suction Lift | 电机功率<br>(kW)<br>Motor power | 转速<br>(r/min)<br>Rotary speed | 电压<br>(V)<br>Voltage | 频率<br>(Hz)<br>Frequency |
|--------------|-----------------|-----------|----------------------|-------------------|---------------------------|-----------------------------|-------------------------------|----------------------|-------------------------|
|              | 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                      |

## 产品特点 PRODUCT FEATURES

ZBF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，采用外漏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性液体的无泄漏泵。

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.

## 磁力泵安装和使用 INSTALLATION AND OPERATION OF MAGNETIC PUMP

- 一、磁力泵应水平安装不宜立装，塑料泵不得承受管路重量，特殊垂直安装场合，电机务必朝上。
- 二、抽吸液面高于泵轴心线时，启动前先开吸入管道阀门；抽吸液面低于泵轴心线，管道需配备底阀。
- 三、泵使用前应进行检查，电机转动要灵活，无卡滞及异常声响，各紧固件无松动现象。
- 四、检查电机旋转方向与转向标记是否一致。
- 五、电机启动后，缓慢打开排出阀，待泵进入正常工作状态后，再将排出阀调到所需开度。
- 六、泵停止工作前，应先关闭排出阀门，然后关闭吸入管阀门。

1. Magnetic pump should be horizontally installed, but not upright. Plastic pump is not able to endure the weight of pipeline. In case of special occasions requiring upright installation, motor should be kept upward.
2. When liquid level is higher than the centerline of pump, turn on the valve of intake pipe before start; when liquid level is lower than the centerline, a bottom valve should be fitted to the pipeline.
3. Check before operation to make sure that motor rotates flexibly without jamming and abnormal sound, and that all fasteners are not loosened.
4. Check whether motor rotates in accordance with the direction sign.
5. After motor is started, slowly turn on discharge valve. When pump enters normal working state, adjust the discharge valve to the required opening.
6. Before pump stops working, turn off discharge valve first, and then the valve of intake pipe.

## 磁力泵注意事项 CAUTIONS FOR MAGNETIC PUMP

- 一、因磁力泵轴承的冷却和润滑是靠被输送的介质，所以绝对禁止空载运转，同时应避免在工作中中途停电后再启动时所造成的空载运转。
- 二、被输送介质中，若含有固体颗粒，泵入口要加过滤网；如含有铁磁质微粒，需加磁性过滤器（本公司有生产，属于选配件）。
- 三、被输送的介质及其温度应在泵材允许范围内（请向相关部门技术咨询）。工程塑料泵的使用温度<60℃，进口压力不大于0.1MPa，最大工作压力为0.6MPa；金属泵的使用温度<100℃，输送进口压力不大于0.2MPa，最大工作压力1.6MPa；
- 四、对于输送液为易沉淀结晶的介质，使用后应及时清洗，排净泵内积液。
- 五、磁力泵长时间运行或运行过程发现泵有异常情况（噪音大，震动加剧）后，应拆检轴承和端面动环的磨损情况，若轴承和轴套的间隙大于0.5~1mm，叶轮轴向窜动2~3mm时，应更换轴承和轴向动环。

1. As the cooling and lubrication of magnetic pump's bearing depends on the medium to be handled, that's why unloaded operation is absolutely prohibited. Meanwhile, pay close attention to avoid the unloaded operation after re-start due to power cut in process.
2. If the mediums to be handled contain solid particles, then there should be a filter net at the entrance of pump. If there are ferromagnetic particles contained in mediums, a magnetic filter should be fitted (available in factory for your options).
3. The mediums to be handled, as well as their temperature, should be kept within the allowed scope of pump material (please consult with relative technical department). The service temperature of engineering plastic pump should be <60℃, inlet pressure not greater than 0.1Mpa, maximum working pressure at 0.6Mpa; the service temperature of metal pump should be <100℃, inlet pressure not greater than 0.2Mpa, maximum working pressure at 1.6Mpa.
4. For mediums easily deposited or crystallized, please flush immediately after use to clear away the deposited liquid inside.
5. In case of any abnormal conditions (like large noise or violent vibration) occurred after long-time operation or during operation, disassemble the bearing and end-face rotating ring for examination of abrasion. If the clearance between bearing and axle sleeve is greater than 0.5-1mm, and axial drunkenness of impeller from 2-3mm, then the bearing and axial rotating ring should be replaced.

## 磁力泵使用环境 SERVICE CONDITIONS OF MAGNETIC PUMP

环境温度：-20~40℃；环境湿度：95%；海拔高度：不超过1000米（大于时应在订货时提出）。

- 警告：a)、泵用电机应由专业人员进行有效安全接地，永久性标志为Ⓢ。  
b)、为防止触电，维修或清理磁力泵前应切断电源。



1、磁力泵在维修拆装过程中，内、外磁钢部件辐射出来的磁场将对如：心脏起搏器、信用卡、计算机磁盘、手表、精密仪器、仪表等产生磁场干扰，甚至产生危害性的影响。

a) 上述物件应远离磁性器件，保持1米以上的距离。

b) 装配好的整机磁力泵，不存在上述问题，因结构上有磁回路屏蔽，可放心使用。

2、装配内磁转子对准外磁转子轴向到位时，由于磁吸力（尤其是铁磁或稀土钕磁），用户应采取适当的缓冲措施，以免卡、夹手指，防止工伤事故。

Ambient Temperature: -20~40℃; Ambient humidity: 95%; Height above sea level: not exceeding 1,000m (if beyond, please clarify when placing an order).

Warning: a) Pump motor should be safely earthed by a professional, permanent sign as Ⓢ.

b) To avoid electric shock, the maintenance and cleaning of magnetic pump should be done after power supply is cut off.

1. When disassembling magnetic pump, the magnetic field radiated by inner and outer magnet steel components may produce interference, and even harmful influence to heart pacemaker, credit card, computer disk, watch, precision instrument, meter and etc.,

a) The above articles should be kept over 1 meter away from magnetic parts.

b) The above-mentioned problems don't happen to assembled overall magnetic pump, because there is provided with a magnetic loop shield for your reassurance.

2. When inner magnet rotor is leveled to outer magnet rotor axially, and due to magnetic force (especially the strong magnet of NdFeB or rare earth-cobalt), users must take appropriate buffering measures to avoid work accidents like fingers being clamped.