

CQF塑料磁力泵

CQF PLASTIC MAGNETIC PUMP



 浙江扬子江泵业有限公司
ZHEJIANG YANGTZE RIVER PUMP CO.,LTD

CQ Magnetic Pump



Detailed Product Description

CQ Magnetic Pump

1. non-leakage
2. magnetic drive
3. small and simple structure
4. light weight and easy to take

Advantages:

1. It is also called magnetic drive pump, using modern magnetic theory. Magnetic pumps adopt internal and external magnetic steel to delivery.
2. Non-leakage.

Application:

Chemical Industrial, Pharmaceuticals, Oil, Electroplate, Food and so on.

It is a good choice for strong acid and alkali, oil, heavy liquid, poison, volatile liquid.

Specifications:

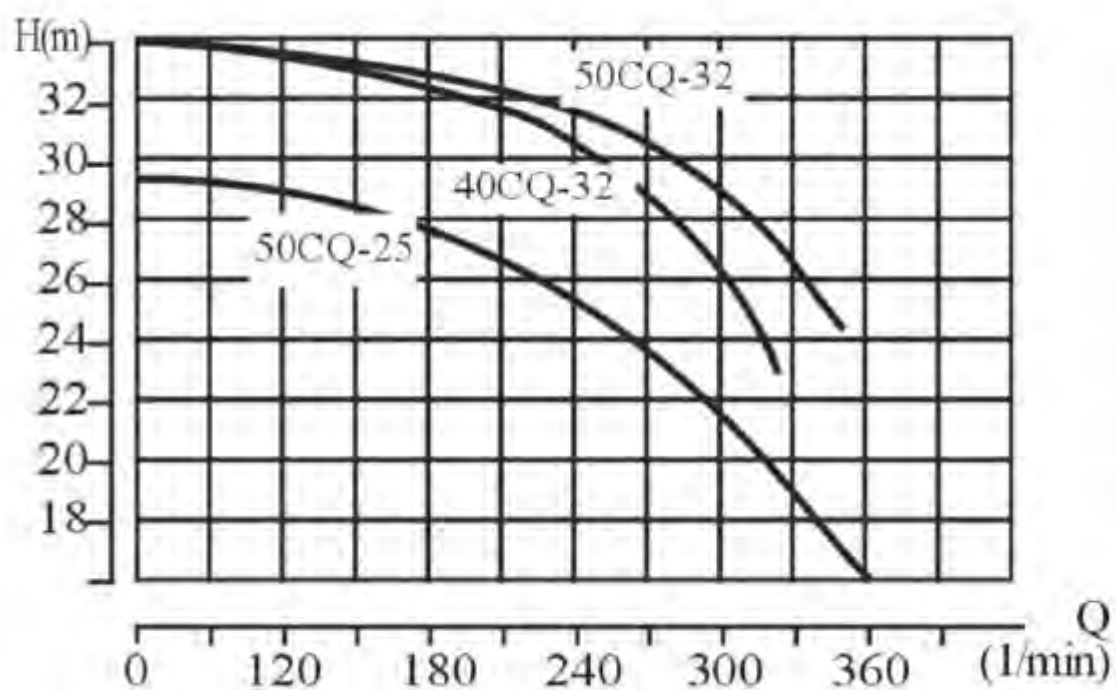
Capacity: 15 to 450 l/min

Head: 2 to 32 m

Power: 0.025 to 5.5 kw

Speed: 2800 r/min

Model	Inlet (mm)	Outlet (mm)	Head m	Q (L/min)	Power (kw)	Speed (r/min)	Voltage (v)	engineering plastics
8CQ-2F	8	6	2	15	0.025	2800	220	
10CQ-3F	10	10	3	19	0.025	2800	220	
14CQ-5F	14	10	5	20	0.038	2800	220	
14CQ-5F	14	10	5	20	0.12	2800	220/380	
16CQ-8F	16	12	8	30	0.12	2800	220/380	
20CQ-12F	20	14	12	50	0.37	2800	220/380	
25CQ-12F	25	20	12	80	0.37	2800	220/380	
25CQ-15F	25	20	15	110	1.1	2800	220/380	
32CQ-15F	32	25	15	110	1.1	2800	220/380	
32CQ-25F	32	25	25	90	1.1	2800	220/380	
40CQ-20F	40	32	20	180	1.5/2.2	2800	380	
50CQ-25F	50	40	25	240	4	2800	380	
50CQ-32F	50	40	32	220	4	2800	380	
65CQ-32F	65	50	32	450	5.5	2800	380	



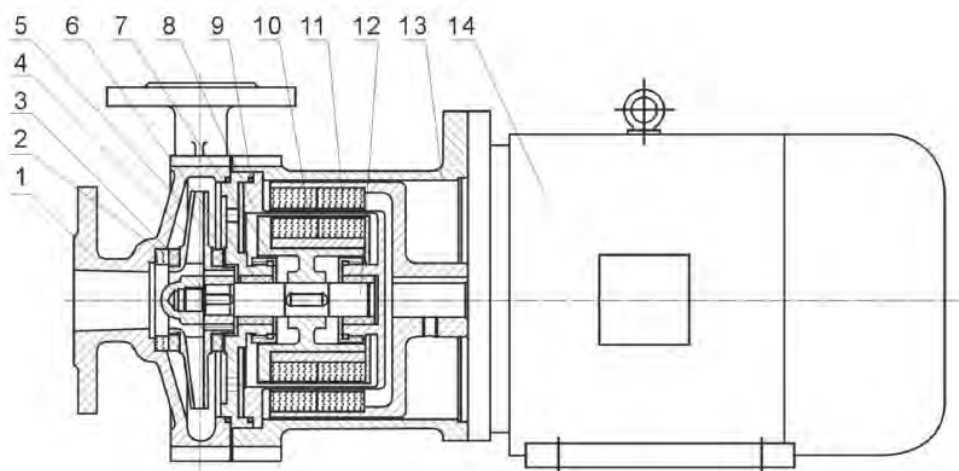


图1 (Table 1)

1	泵体 Pump Body	5	隔板Baffle	9	O形圈O-ring	13	联接架 Coupling Frame
2	静环Stationary ring	6	轴承 Bearing	10	内磁钢总成 Internal Magnet Steel Assembly	14	电机Motor
3	动环Rotary ring	7	轴承压盖Bearing gland	11	外磁钢总成 External Magnet Steel Assembly	15	
4	叶轮 Impeller	8	隔离套 Spacer Sleeve	12	轴 Shaft	16	

Pump Installation and Operation

1. Magnetic pumps should be installed horizontally, should not be erected. Plastic pump body must not bear the weight of pipe. For special requirement of vertical installation, motor must be faced up.
2. When the suction liquid surface above the pump axis line, open suction pipe valve before start. If the suction liquid surface below the pump axis line, the pipe should equip with bottom valve.
3. Check the pump before usage, motor blades rotate flexible, no jam or unusual sound, all fasteners to be tightened.
4. Check the rotation direction of motor, whether consistent with the rotation mark of magnetic pump.
5. Once the motor starts, open the drain valve slowly, when the pump working normally, adjust the drain valve to necessary opening degree.
6. Before the pump stops working, turn off the drain valve first and then close the suction tube valves.

Maintenance

1. For the cooling and lubrication of magnetic pump bearing is by the medium it delivery, it is forbidden of operate without medium. Also avoid operation without medium in the condition of power failed suddenly and starts running again.
2. When the medium contains solid particles, pump inlet should add filters. If it contains ferromagnetic mass particles, should add magnetic filter.
3. The operating environment temperature should less than 40 degrees centigrade, motor temperature range shall not exceed 75 degrees centigrade.
4. Transmission medium and the temperature should be in the range of allowable pump materials (see the appendix).
5. operating temperature of engineering plastics pump $<60^{\circ}\text{C}$.
6. operating temperature of metal pump $<100^{\circ}\text{C}$
7. Suction pressure no more than 0.2MPa
8. Max working pressure 1.6Mpa
9. Density no more than 1600kg/m^3
10. Granularity no more than 30×10^{-6} , the liquid not contains hard particles and the fiber
11. For transmission fluid for easy precipitation crystallized media, should timely cleaning after using, drained pump effusion.
12. After 500 hours' running, check the wearing of bearing and dynamic ring face. If the gas is greater than 0.5~1mm between the bearing and sleeve, impeller axial line moved 1.5~2mm, bearings and axial rings should be replaced.

Failure and repair

Faliure	Reason	Methods
No medium of the pump	<ol style="list-style-type: none"> 1. The pump reverse rotation 2. Air leakage of inlet pipeline 3. Too little storage water in pump chamber 4. Voltage is too high, coupling slips when it starts 5. The suction head is too high 	<ol style="list-style-type: none"> 1. Change motor connection line 2. Avoid leakage 3. Add water storage volume 4. Reset voltage 5. Lower the installation position of the pump
Lack of flow	<ol style="list-style-type: none"> 1. Diameter of suction tube is too small 2. Impeller channel blocked 3. Head is too high 4. Speed is too slow 	<ol style="list-style-type: none"> 1. Replace the inlet pipes 2. Clean impeller 3. Open outlet valve bigger 4. Reset rated speed
The head is too low	<ol style="list-style-type: none"> 1. Capacity is too high 2. Speed is too slow 	<ol style="list-style-type: none"> 1. Close the discharge valve smaller 2. Reset rated speed
High noise	<ol style="list-style-type: none"> 1. The shaft was badly wearing 2. The shaft sleeve was badly wearing 3. Drive magnetic cup in touch with insulation sleeve 	<ol style="list-style-type: none"> 1. Change shaft 2. Change shaft sleeve 3. Unload pump head and reaassemble
Leakage	O type sealing ring damage	Change O type sealing ring

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As we are constantly endeavouring to improve the performance of our equipment.

The company reserves the right to make alteration from time to time and equipment differ from that detailed in this brochure.



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