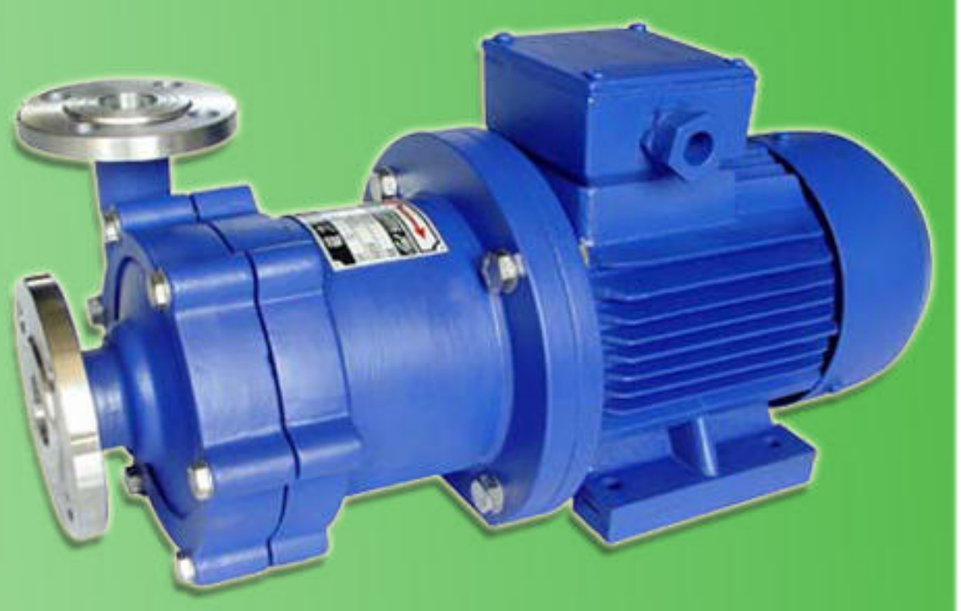
卓越品质 & 源于专业

ZAMP
上海正奥泵业制造有限公司
SHANGHAI ZHENGAO PUMP MANUFACTURE CO.,LTD.

CQ 型、CQB 型、CQB-G 高温型、ZCQ 型、CQB-F 型

磁力驱动泵（磁力泵）



产品说明书
Products Specification

重要

操作人员在使用本产品前，
请务必仔细查阅产品说明书，
以确保操作安全。

IMPORTANT

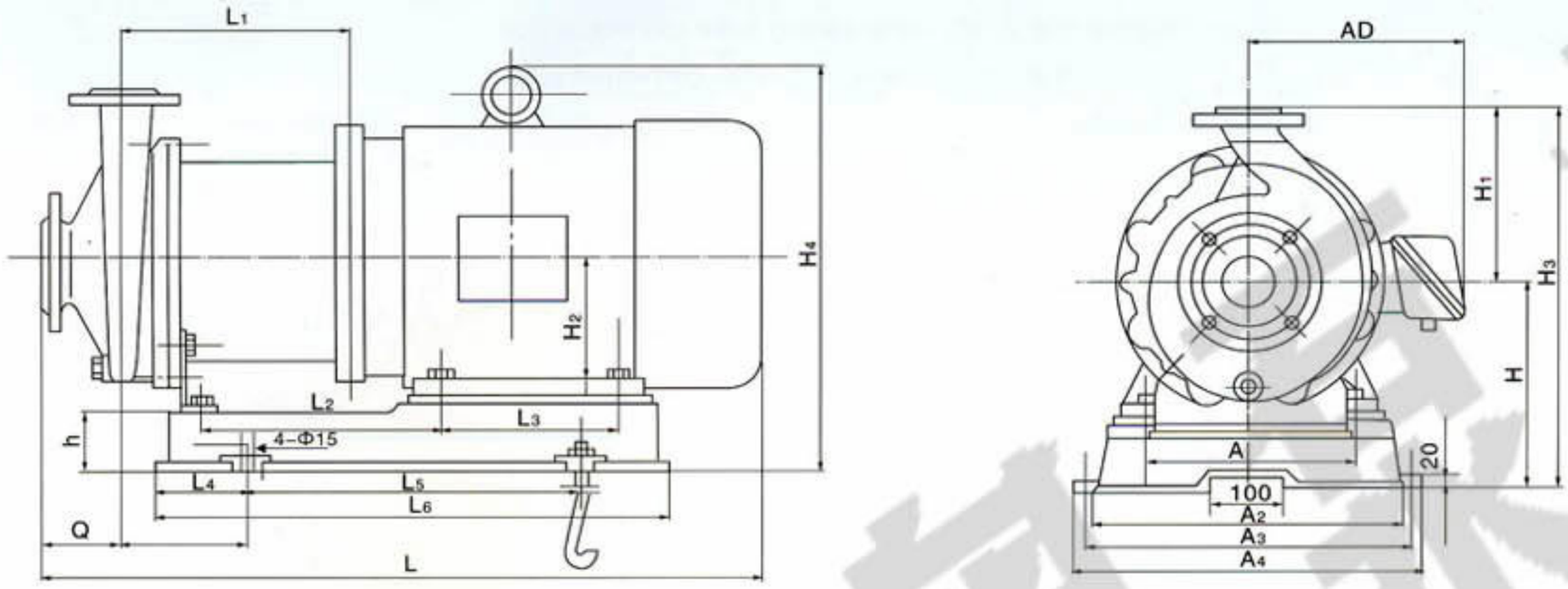
Please ensure that these instructions are read and understood by machine operators before using the product.

请祥阅手册内容并善加保存
Please read and save this manual

上海正奥泵业制造有限公司
SHANGHAI ZHENGAO PUMP MANUFACTURE CO.,LTD.

CQB系列磁力驱动泵 CQB series magnetic-driving pump

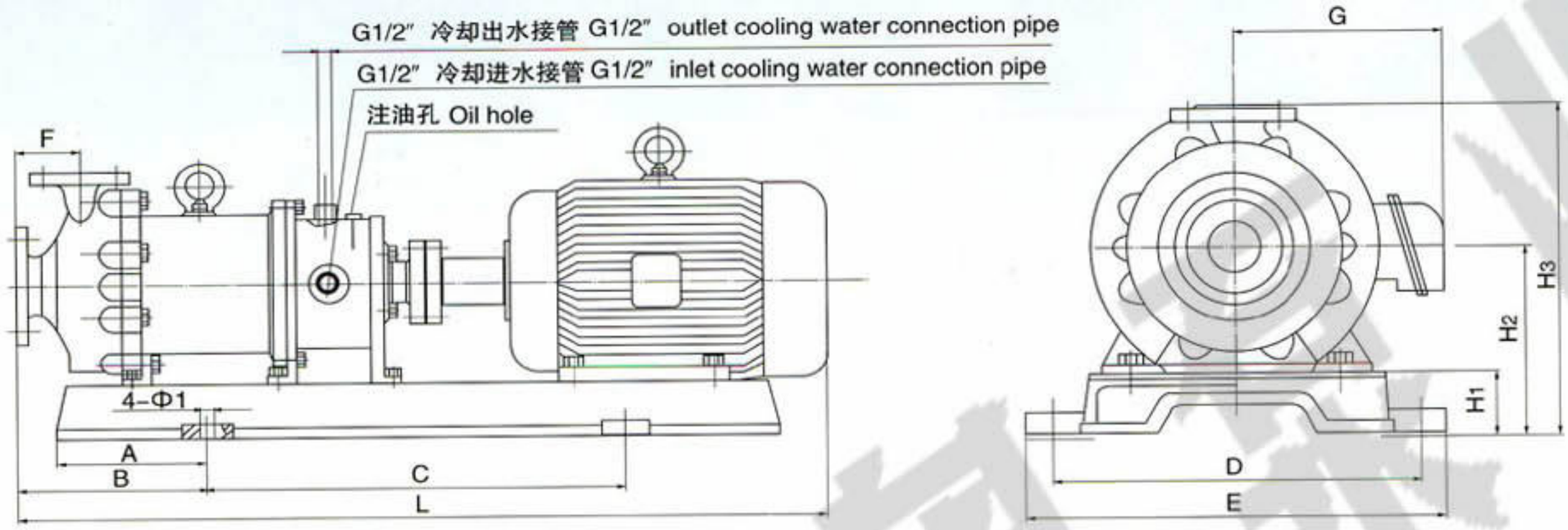
CQB系列外型和安装尺寸
External and drawing of installation dimension



型 号 Type	A	AD	B	L	L1	H1	H2	a	A1	A2	A3	H	H3	H4	L2	L3	L4	L5	L6	h
CQB32-20-125	125	150	100	458	133	120	90	65												
CQB32-20-160	140	155	100	483	143	160	115	65												
CQB40-25-105	125	150	100	458	133	120	90	65												
CQB40-25-125	140	155	125	508	143	160	112	65												
CQB40-25-160	160	180	140	633	233	160	112	80	300	330	360	210	370	355	190	140	80	270	430	50
CQB40-25-200	261	210	140	728	253	160	132	80	350	380	410	230	390	413	236	140	80	320	480	50
CQB50-40-85	125	150	100	458	133	120	90	80												
CQB50-32-105	140	155	125	508	143	160	112	80												
CQB50-32-125	160	180	140	633	233	160	112	80	300	330	360	210	370	355	190	140	80	270	430	50
CQB50-32-160	190	190	140	653	233	160	112	80	300	330	360	210	370	363	197	140	80	270	430	50
CQB50-32-200	216	210	140	728	253	180	132	80	350	380	410	230	410	413	236	140	80	320	480	50
CQB50-32-250	254	255	210	898	308	225	160	100	380	410	440	260	485	485	308	161	120	440	680	80
CQB65-50-125	216	210	140	728	253	160	132	80	350	380	410	230	390	413	236	140	80	320	480	50
CQB65-50-160	216	210	140	728	253	160	132	80	350	380	410	230	390	413	236	140	80	320	480	50
CQB65-40-200	254	255	210	898	308	180	160	100	380	410	440	260	440	485	308	161	120	440	680	80
CQB65-40-250	279	285	241	968	308	225	180	100	380	410	440	280	505	530	321	161	120	440	680	80
CQB80-65-125	216	210	140	728	253	160	132	80	350	380	410	230	390	413	236	140	80	320	480	50
CQB80-65-160	254	255	210	898	297	180	160	100	380	410	440	260	440	485	308	161	120	440	680	80
CQB80-50-200	254	255	254	943	308	200	160	100	380	410	440	260	460	485	308	161	120	440	680	80
CQB80-50-250	318	310	305	1108	318	225	200	125	470	500	530	300	525	575	333	171	120	520	760	100
CQB100-80-125	254	255	210	898	308	180	160	100	380	410	440	260	440	485	308	161	120	440	680	80
CQB100-80-160	254	255	254	943	308	200	160	100	380	410	440	260	460	485	308	161	120	440	680	80
CQB100-65-200	318	310	305	1083	318	225	180	100	470	500	530	300	525	575	333	171	120	520	760	100
CQB100-65-250	318	310	305	1108	318	250	200	125	470	500	530	300	550	575	330	171	120	520	760	100

CQB-G系列高温磁力驱动泵 CQB-G series magnetic-driving pump

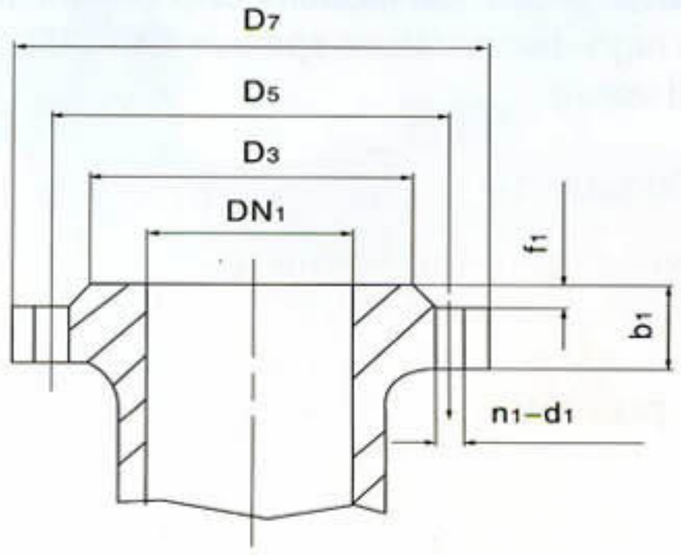
CQB-G系列外型和安装尺寸
External and drawing of installation dimension

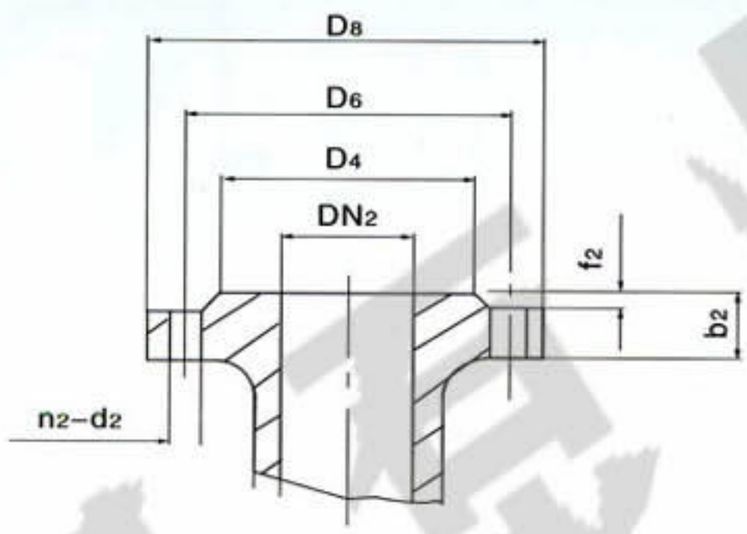


型 号 Type	A	B	C	D	E	F	G	L	H1	H2	H3	Φ1
CQB32-20-125G	130	150	440	216	240	65	150	751	50	130	250	11.5
CQB32-20-160G	130	150	440	216	240	65	150	761	50	130	290	11.5
CQB40-25-105G	130	150	440	216	240	65	150	751	50	130	250	11.5
CQB40-25-125G	130	150	440	216	240	65	150	761	50	130	290	11.5
CQB40-25-160G	180	210	500	316	350	80	155	916	80	170	330	13.5
CQB40-25-200G	180	210	500	316	350	80	190	1001	80	212	372	13.5
CQB50-40-85G	130	150	440	216	240	80	150	766	50	130	250	11.5
CQB50-32-105G	130	150	440	216	240	80	150	776	50	130	290	11.5
CQB50-32-125G	180	210	500	316	350	80	155	916	80	170	330	13.5
CQB50-32-160G	180	210	540	316	350	80	180	961	80	212	372	13.5
CQB50-32-200G	215	210	690	316	350	80	210	1076	80	212	392	13.5
CQB50-32-250G	215	260	770	400	440	100	255	1276	100	232	457	18.5
CQB65-50-125G	180	210	590	290	350	80	180	981	80	170	330	13.5
CQB65-50-160G	180	210	600	316	350	80	210	1076	80	212	372	13.5
CQB65-40-200G	215	260	770	400	440	100	255	1368	100	260	440	18.5
CQB65-40-250G	215	300	870	400	440	100	255	1413	100	260	485	18.5
CQB80-65-125G	180	260	500	316	350	80	210	1076	80	212	372	13.5
CQB80-65-160G	215	260	820	400	440	100	255	1357	100	260	440	18.5
CQB80-50-200G	215	300	870	400	440	100	255	1413	100	260	460	18.5
CQB80-50-250G	260	300	880	450	500	125	310	1578	100	300	525	24
CQB100-80-125G	215	300	770	400	440	100	255	1368	100	260	440	18.5
CQB100-80-160G	215	300	870	400	440	100	255	1413	100	260	460	18.5
CQB100-65-200G	260	380	880	450	500	100	310	1553	100	300	525	24
CQB100-65-250G	260	380	1000	550	600	125	385	1773	120	370	620	24

CQB-G系列磁力驱动泵 CQB-G series magnetic-driving pump

CQB、CQB-G系列进出口法兰尺寸
Flange dimension of inlet and outlet





型 号 Type	进口法兰 Flange dimension of inlet							出口法兰 Flange dimension of outlet						
	DN1	D3	D5	D7	b1	f1	n1-d1	DN2	D4	D6	D8	b2	f2	n2-d2
CQB32-20-125	32	69	90	120	16	3	4-φ14	20	48	65	96	14	2	4-φ11
CQB32-20-160														
CQB40-25-105	40	78	100	130	16	3	4-φ14	25	58	75	100	14	3	4-φ11
CQB40-25-125														
CQB40-25-160		84	110	150	18	3	4-φ18	25	65	85	115	16	3	4-φ14
CQB40-25-200														
CQB50-40-85	50	88	110	140	16	3	4-φ14	40	78	100	130	16	3	4-φ14
CQB50-32-105								32	69	90	120	16	3	4-φ14
CQB50-32-125														
CQB50-32-160		99	125	165	20	3	4-φ18	32	76	100	140	18	3	4-φ18
CQB50-32-200														
CQB50-32-250														
CQB65-50-125	65	108	130	160	16	3	4-φ14	50	88	110	140	16	3	4-φ14
CQB65-50-160		118	145	185	20	3	4-φ18	50	99	125	165	20	3	4-φ18
CQB65-40-200								40	84	110	150	18	3	
CQB65-40-250														
CQB80-65-125	80	124	150	190	18	3	4-φ18	65	108	130	160	16	3	4-φ14
CQB80-65-160		132	160	200	20	3	4-φ18	65	118	145	185	20	3	4-φ18
CQB80-50-200		132	160	200	20	3	8-φ18	50	99	125	165	20	3	
CQB80-50-250														
CQB100-80-125	100	144	170	210	18	3	4-φ18	80	124	150	190	18	3	4-φ18
CQB100-80-160	100	156	180	220	22	3	8-φ18	80	132	160	200	20	3	8-φ18
CQB100-65-200								65	118	145	185	20	3	4-φ18
CQB100-65-250														

ZCQ 型自吸式磁力驱动泵

ZCQ系列自吸式磁力驱动泵 ZCQ series self priming magnetic-driving pump

◆ 用 途

ZCQ系列自吸磁力泵广泛应用于石油、化工、冶金、制药、电镀、环保等行业，可输送高温类易燃、易爆、剧毒、贵重液体。

◆ 性 能

流量：1.6-100m³/h

扬程：15-80m

功率：0.75-75kw

自吸性能：4m/3分钟

◆ 特 点

采用磁力传动原理及外混式轴向回水泵体结构，既无泄漏又能自吸。

◆ 型号意义

ZCQ 65 - 50 - 160

自吸式磁力驱动泵
Self priming magnetic-drivirg pump

吸入口径(mm)
Suction Caliber(mm)

叶轮名义直径(mm)
Impeller Nominal Diameter(mm)

排出口径(mm)
Discharge Caliber(mm)

Application

ZCQ series magnetic pump can be widely applied to Petroleum,chemical,metallurgy,pharmacy,electroplating, environmental protection Industry and etc. It can transmit the liquid with high-temperature species flammability,explosion, Toxin and value.

Performance

Flowing rate: 1.6-100m³/h
Delivery head: 15-80m
Power of work: 0.75-75kw
Self priming performance: 4m/3minutes

traits

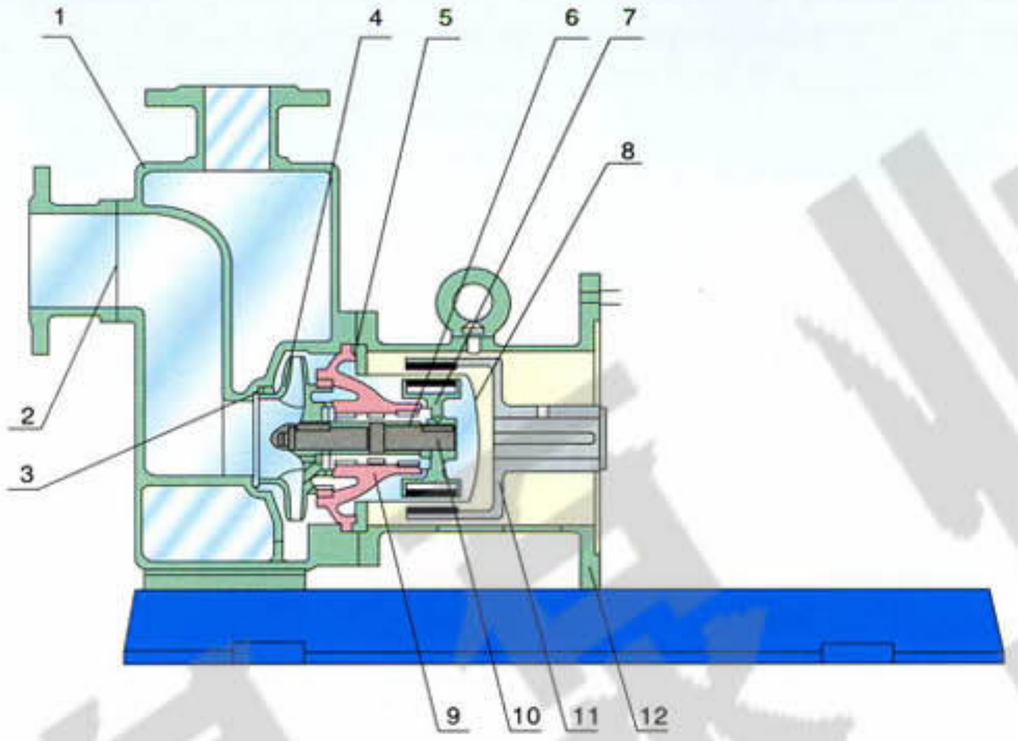
Adopt magnetism transmission principle and external-mix axial-flow type pump body structure,it can not only non-leakages but also self priming.

性能参数表
Performance parameter table

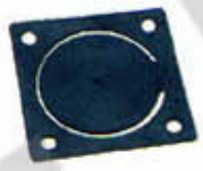
Type 型 号	∅ mm 进口 inlet	∅ mm 出口 outlet	L/min 流量Q Flow	(m) 扬程H Head	kw 功率 Power	(V) 电压 Voltage	(m/3min) 自吸性能 Self priming performance
ZCQ20-12-110	20	12	50	12	0.37	380	4
ZCQ25-20-115	25	20	110	15	1.1	380	4
ZCQ32-25-115	32	25	110	15	1.1	380	4
ZCQ32-25-145	32	25	110	25	1.1	380	4
ZCQ40-32-132	40	32	180	20	2.2	380	4
ZCQ40-32-160	40	32	180	32	4	380	4
ZCQ50-40-145	50	40	240	25	4	380	4
ZCQ50-40-160	50	40	220	32	4	380	4
ZCQ65-50-145	65	50	280	25	5.5	380	4
ZCQ65-50-160	65	50	450	32	7.5	380	4
ZCQ80-65-125	80	65	800	20	7.5	380	4
ZCQ80-65-160	80	65	800	32	15	380	4
ZCQ100-80-160	100	80	1500	32	22	380	4

ZCQ 型自吸式磁力驱动泵

ZCQ系列自吸式磁力驱动泵 ZCQ series self priming magnetic-driving pump



1、泵体Pump body
不锈钢Stainess steel



2、止回阀Check valve
氟橡胶Viton

3、静环 Standstill hoop
高纯氧化铝陶瓷 high-purity aluminaceramics

4、叶轮 Impeller unit
不锈钢Stainess steel

5、密封圈O-Ring
聚四氟乙烯Polyterafluoroethylene

6、前后轴套 Front and back shaft sleeve
填充聚四氟乙烯 Fill up polyterafluoroethylene

7、内磁钢总成Magnetic steel part
磁体组件Magnetic body part

8、隔离套Isolating suite
不锈钢Stainless steel

9、隔板 Clapbcard
不锈钢Stainless steel(1Cr18Ni9Ti)

10、泵轴Pump shaft
不锈钢Stainless steel

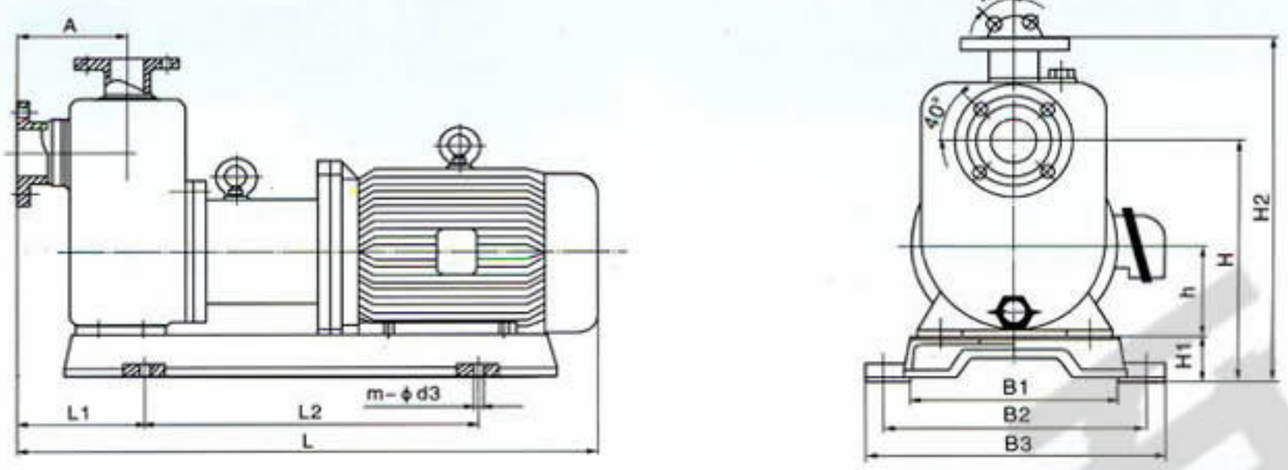
11、外磁钢总成Exterior magnetic steel part
磁体组件Magnetic body part

12、联接架Braced framing
铸铁Cast iron

ZCQ 型自吸式磁力驱动泵

ZCQ系列自吸式磁力驱动泵 ZCQ series self priming magnetic-driving pump

外型和安装尺寸 External and drawing of installation dimension



型　　号 Type	A	B1	B2	B3	h	H	H1	H2	L	L1	L2	m-φd3
ZCQ20-12-110	100	185	195	225	205	275	50	370	345	135	225	4-φ13.5
ZCQ25-20-115	132	200	260	290	80	245	54	370	550	145	290	4-φ13.5
ZCQ32-25-115	132	200	260	290	80	245	54	370	550	145	290	4-φ13.5
ZCQ32-25-145	105	200	260	290	80	265	54	380	555	130	290	4-φ13.5
ZCQ40-32-132	140	200	225	260	90	265	54	400	640	150	340	4-φ13.5
ZCQ40-32-160	150	290	340	370	112	295	50	400	730	175	310	4-φ13.5
ZCQ50-40-145	150	290	340	370	112	295	50	400	730	175	310	4-φ13.5
ZCQ50-40-160	150	290	340	370	112	295	50	440	730	175	310	4-φ13.5
ZCQ65-50-145	150	290	340	370	132	355	80	500	810	270	310	4-φ13.5
ZCQ65-50-160	185	320	345	390	132	385	80	545	865	340	340	4-φ13.5
ZCQ65-40-200	180	340	400	440	160	446	96	650	1040	230	610	4-φ18.5
ZCQ80-65-125	200	270	316	350	132	446	82	630	960	230	520	4-φ13.5
ZCQ80-65-160	200	340	400	440	160	446	96	630	1060	230	610	4-φ18.5
ZCQ80-50-200	200	340	400	440	180	470	96	680	1090	230	610	4-φ18.5
ZCQ80-50-250	200	375	460	510	220	510	100	760	1250	280	700	4-φ28
ZCQ100-80-160	240	340	400	440	180	465	96	650	1090	250	700	4-φ24
ZCQ100-65-200	240	375	460	510	220	510	100	760	1250	280	700	4-φ28
ZCQ100-65-250	240	435	520	570	280	620	120	860	1410	300	880	4-φ28

进出口法兰尺寸表 Flange dimension of inlet and outet table

型　　号 Type	DN1	D1	D2	D3	f1	n1-φd1	DN2	D4	D5	D6	f2	n2-φd2
ZCQ20-12-110	20	90	65	50	2	4-φ11	12	40	55	80	2	4-φ11
ZCQ25-20-115	25	100	75	58	3	4-φ11	20	96	65	48	2	4-φ11
ZCQ32-25-115	32	120	90	69	3	4-φ14	25	100	75	58	3	4-φ11
ZCQ32-25-145	32	120	90	69	3	4-φ14	25	100	75	58	3	4-φ11
ZCQ40-32-132	40	150	110	84	3	4-φ18	32	140	100	78	3	4-φ14
ZCQ40-32-160	40	150	110	84	3	4-φ18	32	140	100	78	3	4-φ14
ZCQ50-40-145	50	165	125	99	3	4-φ18	32	140	100	78	3	4-φ14
ZCQ50-40-160	50	165	125	99	3	4-φ18	32	140	100	78	3	4-φ14
ZCQ65-50-125	65	185	145	118	3	4-φ18	50	165	125	99	3	4-φ18
ZCQ65-50-160	65	185	145	118	3	4-φ18	50	165	125	99	3	4-φ18
ZCQ65-40-200	65	185	145	118	3	4-φ18	40	150	110	84	3	4-φ18
ZCQ80-65-125	80	200	160	132	3	4-φ18	65	185	145	118	3	4-φ18
ZCQ80-65-160	80	200	160	132	3	4-φ18	65	185	145	118	3	4-φ18
ZCQ80-50-200	80	200	160	132	3	4-φ18	50	165	125	99	3	4-φ18
ZCQ80-50-250	80	200	160	132	3	4-φ18	50	165	125	99	3	4-φ18
ZCQ100-80-160	100	220	180	156	3	4-φ18	80	200	160	132	3	4-φ18
ZCQ100-65-200	100	220	180	156	3	4-φ18	65	185	145	118	3	4-φ18
ZCQ100-65-250	100	220	180	156	3	4-φ18	65	185	145	118	3	4-φ18

CQB-F 型氟塑料磁力驱动泵

CQB-F系列氟塑料磁力驱动泵 CQB-F series fluoride plastic magnetic-driving pump

◆用途

CQB-F系列磁力泵广泛应用于石油、化工、冶金、制药、电镀、环保等行业，可输送强酸、强碱、强氧化性、易燃、易爆、剧毒贵重液体。

Application

CQB-F series magnetic pump can be widely applied to petroleum,chemical metallurgy,pharmacy,electroplating, environmental protection and so on. It can transmit the liquid with strong acid,strong base strong oxidability, flammability, explosion,toxin and value.

◆性能

流量：1.8-100m³/h
扬程：8-32m
功率：0.12-18.5kw

Performance

Flowing rate:1.8-100m³/h
Delivery head: 8-32m
Power of work: 0.12-18.5kw

◆特点

采用磁力传动原理，无泄漏输送腐蚀性介质。

Traits

Adopt magnetism transmission principle,non-leakages transmit media.

◆ 型号意义

CQB 15 - 10 - 85 F

- 氟塑料 Fluorin Plastic
- 叶轮直径(mm) Impeller Diameter(mm)
- 排出口径(mm) Discharge Caliber(mm)
- 吸入口径(mm) Suction Caliber(mm)
- 重型磁力驱动泵 Heavy MagneticDriving Pump

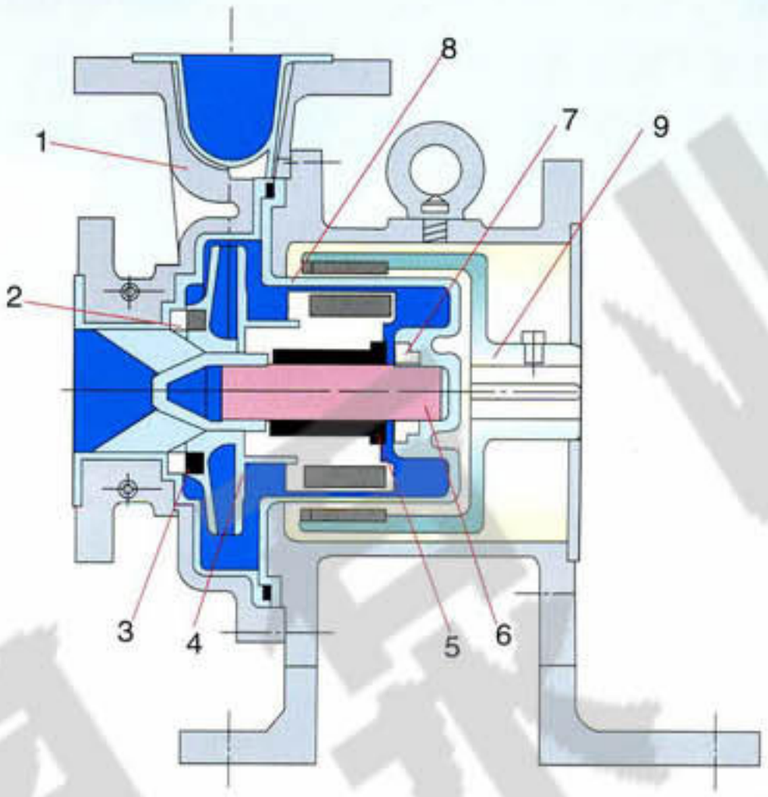
CQB-F系列氟塑料磁力泵性能参数
Performance parameter of fluoride plastic magnetic pump in CQB-F series

Type 型 号	∅ mm 进口 inlet	∅ mm 出口 outlet	m³/h 流量Q Flow	(m) 扬程H Head	汽蚀余量 Positive suction heat (NPSH)r(m)	kW 功率 Power	(r/min) 轉速n Rotating Speed	% 效率 η Efficiency	(V) 电压 Voltage
CQB15-10-85F	15	10	1.8	8	6.0	0.12	2800	33	220/380
CQB20-15-105F	20	15	3	12	6.0	0.37	2800	33	220/380
CQB32-25-125F	32	25	3.2	20	5.0	0.75	2900	35	380
CQB40-32-115F	40	32	6.3	15	6.0	0.75	2900	45	380
CQB40-32-145F	40	32	6.3	25	5.0	1.5	2900	42	380
CQB50-40-125F	50	40	12.5	20	3.5	2.2	2900	50	380
CQB50-40-160F	50	40	12.5	32	3.5	3	2900	46	380
CQB65-50-125F	65	50	25	20	4.0	3	2900	58	380
CQB65-50-160F	65	50	25	32	4.0	5.5	2900	56	380
CQB80-65-125F	80	65	50	20	4.0	7.5	2900	66	380
CQB80-65-160F	80	65	50	32	4.0	11	2900	64	380
CQB100-80-125F	100	80	100	20	4.0	11	2900	72	380
CQB100-80-160F	100	80	100	32	4.0	18.5	2900	70	380

注：表中型号从CQB20-15-105F至CQB100-80-160F均可配防爆电机。
Note:In this table,type from CQB20-15-105F to CQB100-80-160F can install fireproof machinery.

CQB-F 型氟塑料磁力驱动泵

CQB-F系列氟塑料磁力驱动泵 CQB-F series fluoride plastic magnetic-driving pump



1、泵壳：球墨铸铁内衬聚偏二氟乙烯
Pump body: spheroidal graphite cast iron lining polyvinylidene fluoride fibre

2、静环：99.5%氧化铝陶瓷
Stationary seal ring: 99.5% alumina ceramic

3、动环：填充聚四氟乙烯
Rotating seal ring: filling teflon

4、叶轮、内转子总成：聚偏二氟乙烯
Impeller and inner rotor assembly: Polyvinylidene fluoride fibre

5、轴套：碳化硅、陶瓷、四氟，可供选择
Shaft sleeve：Carborundum, ceramic and tetrafluoride for option

6 、轴：用碳化硅制造，能耐温、耐磨、耐腐蚀。
Shaft:Adopt SiC,thermostability,abradability and corrosion preventive.

7、止推环：99.5%氧化铝陶瓷
Trust collar: 99.5% alumina ceramic

8、隔离套：用氟塑料注塑成型，强度高、无涡流损失。
Isolating suite:Adopt fibre reinforced fluorinated plastics injection,high strength,without vortex loss.

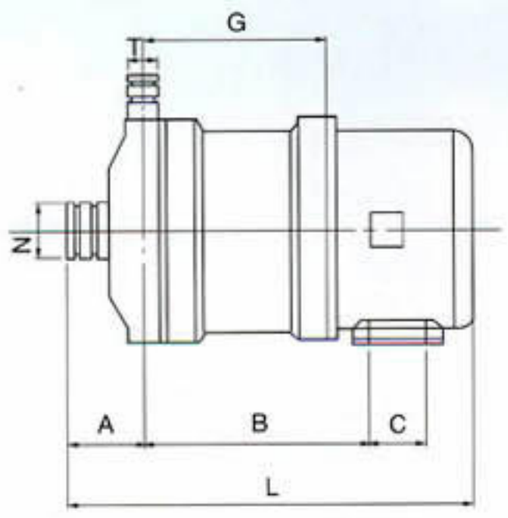
9、外磁钢总成：磁材采用强磁材料，确保足够的磁传力矩，磁钢外表面镀有可靠的保护层，以防腐蚀影响磁性。
Exterior magnetic steel part:Adopt strong magnetic materical,ensure enough magnetic field force moment,the outer surface of magnetic steel electroplates reliableprotective covering prevents corrosion influencing magnetics.

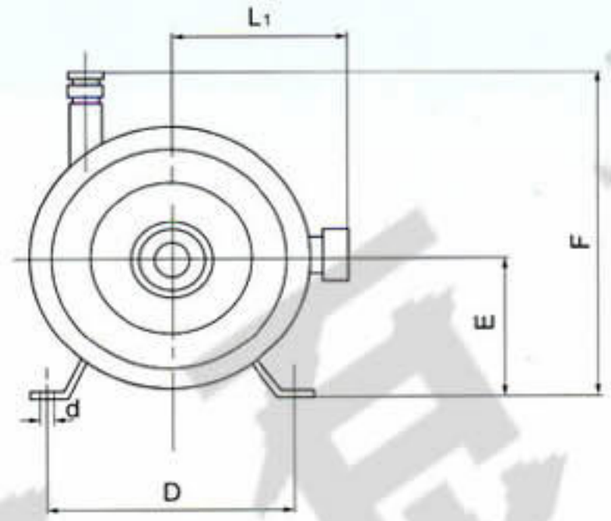
Note:In this table,type from CQB20-15-105F to CQB100-80-160F can install fireproof machinery.

CQB-F 型氟塑料磁力驱动泵

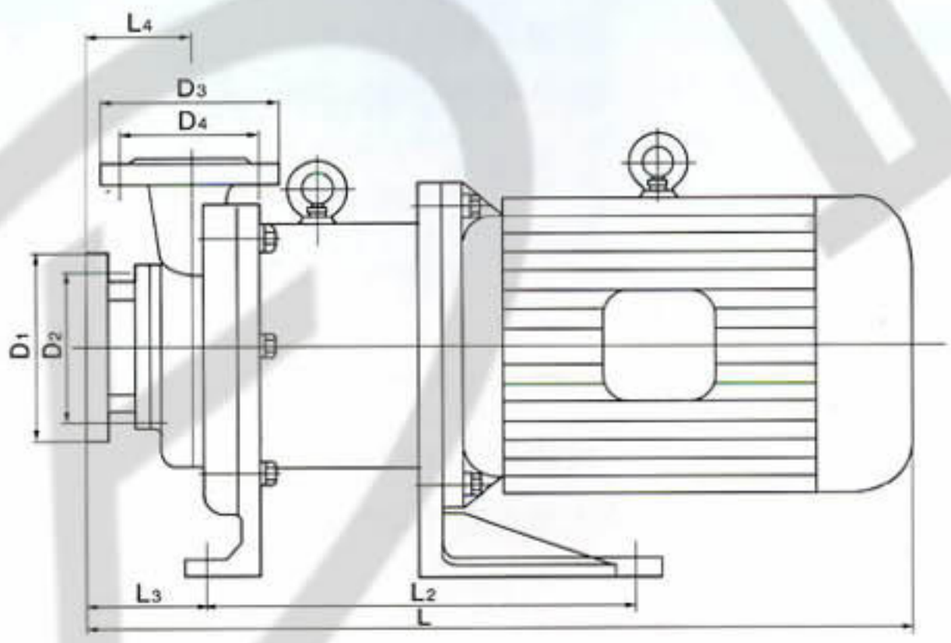
CQB-F系列氟塑料磁力驱动泵 CQB-F series fluoride plastic magnetic pump

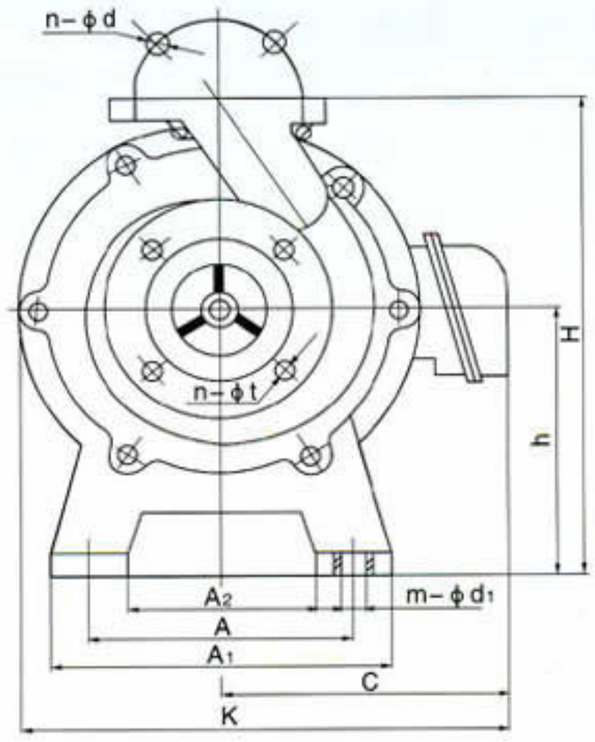
外型和安装尺寸
Structure and installation drawing of fluoride plastic magnetic pump





型 号 Type	A	B	C	D	E	F	d	G	L1	L	N	T
CQB15-10-85F	56.5	93.5	80	100	63	144	7	87.5	75	304	22	18
CQB20-15-105F	54.15	125.5	90	112	71	165	7	111.5	85	340	26	18





型 号 Type	D1	D2	N-φt	D3	D4	n-φd	L4	L3	L2	L1	L	A	A1	A2	h	H	m-φd1	K	C
CQB32-25-125F	140	100	4-φ17.5	115	85	4-φ17.5	69	80	200	150	500	140	180	100	140	270	4-φ13.5	238.5	135
CQB40-32-115F	150	110	4-φ17.5	140	100	4-φ17.5	73	86	200	153	406	160	200	120	150	290	4-φ13.5	204	85
CQB40-32-145F	150	110	4-φ17.5	140	100	4-φ17.5	73	86	200	153	506	160	200	120	150	290	4-φ13.5	264	145
CQB50-40-125F	165	125	4-φ17.5	150	110	4-φ17.5	83	80	250	165	528	190	240	140	165	325	4-φ13.5	279	175
CQB50-40-160F	165	125	4-φ17.5	150	110	4-φ17.5	83	80	250	165	583	190	240	140	165	325	4-φ13.5	309	175
CQB65-50-125F	185	145	4-φ17.5	165	125	4-φ17.5	81	83	258	183	600	194	250	138	200	380	4-φ17.5	319	175
CQB65-50-160F	185	145	4-φ17.5	165	125	4-φ17.5	81	83	258	183	600	194	250	138	200	380	4-φ17.5	319	175
CQB80-65-125F	200	160	8-φ17.5	185	145	4-φ17.5	101	102	342	259	740	230	300	160	250	450	4-φ25	364	195
CQB80-65-160F	200	160	8-φ17.5	185	145	4-φ17.5	101	102	342	259	900	230	300	160	250	450	4-φ25	417	250
CQB100-80-125F	220	180	8-φ17.5	200	160	8-φ17.5	116	124	348	275	951	280	360	200	250	470	4-φ25	458	250
CQB100-80-160F	220	180	8-φ17.5	200	160	8-φ17.5	116	124	348	275	951	280	360	200	250	470	4-φ25	458	250

Note:In this table,type from CQB20-15-105F to CQB100-80-160F can install fireproof machinery.

磁力泵常见故障与排除

磁力泵常见故障及其排除方法

故障形式	产生原因	排除方法
泵不出水	1、水泵反转 2、进水管道漏气 3、泵腔蓄水太少 4、电压太高，启动时联轴器打滑 5、吸程太高 6、没有灌水或泵内灌水不足 7、叶轮受阻不转 8、底阀堵塞或锈死	改变电机接线 杜绝漏气 增加蓄水量 调整电压 降低泵安装位置 放净空气、灌满水 清洗叶轮、泵壳、隔离套 清除堵塞物和修理底阀
流量不足	1、吸入管径太小 2、叶轮流道堵塞 3、扬程过高 4、转速太低 5、叶轮磨损或腐蚀严重 6、安装的总扬程太高或吸水扬程超过规定 7、吸入管路有空气漏进 8、密封环严重磨损	调换进水管 清洗叶轮 开大出水阀 恢复额定转速 更换叶轮 降低扬程、降低泵的安装位置 杜绝漏气 更换密封环
扬程过低	1、流量过大 2、转速太低	关小出水阀 恢复额定转速
噪音太大	1、轴严重磨损 2、轴套严重磨损 3、驱动磁钢杯与隔离套接触 4、转动部分和固定部分有摩擦 5、吸水扬程超过规定或底阀阻塞 6、泵没有固定好	更换泵轴 更换轴套 调整间隙或更换部件 检修、更换零件 降低水泵位置或消除堵塞物 重新固定好
漏　　液	1、螺钉松动 2、0型密封圈损坏 3、泵壳或隔离套破裂或腐蚀穿孔	拧紧螺钉 更换0型密封圈 更换泵壳或隔离套

上海正奥泵业制造有限公司
SHANGHAI ZHENGAO PUMP MANUFACTURE CO.,LTD.

磁力泵（磁力驱动泵）

◆产品概述

磁力驱动泵是将永磁联轴器的工作原理应用于离心泵的新产品,设计合理、工艺先进、具有全密封、无泄漏、耐腐蚀的特点，其性能达到国外同类产品的先进水平。

磁力泵以静密封取代动密封，使泵的过流部件处于完全密封状态，彻底解决了其它泵机械密封无法避免的跑、冒、滴之弊病。磁力泵选用耐腐蚀、高强度的工程塑料、氟塑料、刚玉陶瓷，不锈钢等作为制造材料，因此它具有良好的抗腐蚀性能，并可以使被输送介质免受污染。

磁力泵结构紧凑、外形美观、体积小、噪音低、运行可靠、使用维修方便。广泛应用于化工、制药、石油、电镀、食品、电影照相洗印，科研机构。国防工业等单位抽送酸、碱液、油类，稀有贵重液、毒液、挥发性液体，以及循环水设备配套、过滤机配套。特别是易漏、易燃、易爆液体的抽送，选用此泵则更为理想。

Product summary

The magnetic driving pump is a new product applying the working principle of permanent magnet coupling to the centrifugal pump. It features reasonable design, advanced technology, full seal, zero leakage and corrosion resistance. Its performance has reached the advanced level of foreign products of the same kind.

The magnetic pump substitutes the static seal for dynamic seal so that the flow–through components of the pump are in a state of full seal which has thoroughly eliminated the deficits of running out, bubbling and dipping unavoidable for other pump with machinerie seal. The magnetic pump is made of corrosion–proof and high–tenacity engineering plastic, fluoroplastic, corundum ceramic and stainless steel, so it has good corrosion–proof performance and prevents the transported medium from being contaminated.

The magnetic pump is small in size with compact structure, stylish appearance, low noise and reliable operation, facilitating use and service. It is widely applied in organizations of chemical industry, pharmacy, petroleum, electroplating, food, developing and printing of film and photo, scientific research institutions, national defense industry and so on for pumping and conveying acid and alkali liquid, oil materials, rare and valuable liquid, poisonous liquid and volatile liquid and fittings for circulating water equipment and filters. This kind of pump is particularly ideal for the pumping and conveying of easily leaky, flammable and explosive liquid.

◆磁力泵的安装和使用

(一)磁力泵应水平安装，不宜竖立，塑料泵体不得承受管路重量，对于特殊要求垂直安装的场合，电机务必朝上。

(二)当抽吸液面高于泵轴心线时，起动前打开吸入管道阀门即可，若抽吸液面低于泵轴心线时，管道需配备底阀。

(三)泵使用前应进行检查，电机风叶转动要灵活，无卡住及异常声响，各紧固件要紧固。

(四)检查电机旋转方向是否与磁力泵转向标记一致。

(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，应先关闭排出管阀门，然后关闭吸入管阀门。

◆Installation and use of magnetic pump

1. The magnetic pump should be installed horizontally. It is not suitable to stand up. The plastic pump body should not bear the weight of the pipeline. On the occasion of special requirement for vertical installation, the engine must face upward.
2. When the suction liquid level is higher than the pump axial lead, just open the aspiration pipe valve before the activation. If the suction liquid level is lower than the pump axial lead, the pipeline should be provided with the bottom valve.
3. It is necessary to check the pump before use. The engine fan blades should rotate flexibly. There is no locking or abnormal noise and all fasteners should be attached firmly.
4. Check whether the rotation direction of the engine conforms to the direction indication on the magnetic pump.
5. After the engine is activated, open the discharge valve slowly. When the pump is in normal operation, adjust the discharge valve to the required opening.
6. Before the pump stops the operation, it is necessary to close the valve of the discharge pipe and then close the valve of the suction pipe.

警告：泵用电机应由专业人员进行有效安全接地，永久性标志为⏚。

Warning: The engine for pump should be earthed effectively and safely by professional personnel. The Permanent mark is⏚.

磁力泵常见故障与排除

Common faults and removal methods of magnetic pump

Fault form	Cause	Removal method
No Water from the pump	1. Reversion of water pump 2. Air leakage of water inlet channel 3. Too little water store in the pump chamber 4. Too high voltage causing the skid of coupling during activation 5. Too high suction head 6. No watering or insufficient watering in the pump 7. The impeller is blocked and doesn't rotate. 8. The bottom valve is clogged or rust buildup.	Change the wire splice of the engine Stop the air leakage Increase the water storage Adjust the voltage Reduce the installation position of the pump Empty the air and watering to the full Wash the impeller, pump casing and distance sleeve Remove the stuffing and repair the bottom valve
Insufficient flow	1. The suction pipe caliber is too small 2. The impeller flow channel is stuffed 3. Too high head 4. Too low speed of rotation 5. Serious abrasion or corrosion of the impeller 6. The total head installed is too high or the water suction head exceeds the regulation. 7. There is air coming into the suction pipeline. 8. Serious abrasion of seal ring	Exchange the water inlet pipe Wash the impeller Release the discharge valve to a larger extent Restore the rated rotation speed Change the impeller Reduce the head and debase the installation position of the pump Stop the air leakage Change the seal ring
Extra low head	1. Over flow 2. Too low rotation speed	Turn down the discharge valve Restore the rated rotation speed
Too loud noise	1. Serious abrasion of shafts 2. Serous abrasion of shaft sleeve 3. Contact between driven magnetic steel cup and distance sleeve 4. Friction between rotating part and fixed part 5. The water suction head exceeds the regulation or the bottom valve is stuffed. 6. The pump is not fixed well.	Change the pump shafts Change the shaft sleeve Adjust the clearance or change components Service and change parts Debase the position of the pump or remove the stuffing Fix it properly again
Leakage	1. The bolt is loose. 2. O–ring is damaged. 3. The pump casing or distance sleeve is broken or corroded to be perforated.	Screw down the bolt tightly Change the O–ring Change the pump casing or distance sleeve

磁力泵使用过程注意事项

使用过程注意事项(重要)　Notes for use (Important)

(一)因磁力泵轴承的冷却和润滑是靠被输送的介质，所以绝对禁止空运转，同时避免在工作中途停电后再启动时所造成的空转运转。

(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。

(三)泵在使用中环境温度应小于40℃，电机温升不得超过75℃。

(四)被输送的介质及其温度应在泵材允许范围内(详见磁力泵耐腐蚀性能表)。工程塑料泵的使用温度<60℃，吸入压力不大于0.1MPa，最大工作压力为0.6MPa；金属泵的使用温度<80℃，风冷式高温泵的使用温度<180℃，水循环式高温泵使用温度<280℃，输送吸入压力不大于0.2MPa，最大工作压力1.6MPa、密度不大于1600kg/m^3，粒度不大于$30\times10^{-6}m^2/S$的不含硬颗粒和纤维的液体(若超过该范围，订货时必须说明，方可正常使用)。

(五)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。

(六)磁力泵运行500小时后，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1.5~2mm时，应更换轴承和轴向动环。

注意：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：心脏起博器、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，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(尤其是钕铁硼或稀土钴强磁)，用户应采取适当的缓冲措施，以免卡、夹手指，防止工伤事故。

1. Because the cooling and lubrication of the bearing of the magnetic pump rely on the conveyed medium, the idle running should be prohibited absolutely. It is also necessary to avoid the idle running caused by the reactivation after the power failure during operation.
2. If the convey medium contains solid grains, the pump inlet should be provided with an additional strainer; in case of ferromagnetic substance particles, a magnetic filter should be added.
3. The ambient temperature for the pump during operation should be lower than 40℃ and the temperature rise of the engine should not exceed 75℃.
4. The conveyed medium and its temperature should be within the allowable range of pump materials (See the table for corrosion–proof performance of magnetic pump). For engineering plastic pump, the working temperature is <60℃ with suction pressure not higher than 0.1MPa and 0.6MPa maximum working pressure; for metal pump, the working temperature is <80℃; for air–cooled high temperature pump, the working temperature is<180℃; and for water circulating high temperature pump, the working temperature is <280℃, transporting the liquid containing no hard grains and fibers with suction pressure not higher than 0.2MPa, 1.6MPa maximum working pressure, density not larger than 1600kg/m^3 and gran ularity not larger than $30\times10^{-6}m^2/S$ (In case of exceeding this range, description should be given in the order for normal operation.)
5. If the transportation liquid is medium easily generating crystal sediment, it is necessary to wash promptly after use to clean away the deposited liquid in the pump.
6. After the magnetic pump operates for 500 hours, it is necessary to disassemble and check the abrasion condition of the bearing and the rotating seal ring on the end surface. If the clearance between the bearing and the bearing bush is larger than 0.5~1mm and the axial float of the impeller is within 1.5~2mm, it is necessary to change the bearing and the axial rotating seal ring.

Note:
(1) During disassembling and installing the magnetic pump for service, the magnetic field radiated by the internal and external magnetic steel components will cause magnetic field interference and even have a hazardous effect on such articles as heart pacemakers, credit cards, computer disks, watches, precision instruments and meters.
a) The above articles should be kept far away from the magnetic parts with a distance longer than 1 m.
b) The complete magnetic pump assembled has not the above problems. As there is a magnetic loop screen on the structure, it can be used at ease.
(2) When the internal magnetic rotor of the installation aims at the external magnetic rotor with a right axial direction, due
to the magnetic attraction (esp. Nd–Fe–B or rare earth–cobalt strong magnetic) the user should take proper buffer measures in case the fingers may be trapped or clamped so as to avoid industrial accidents.

上海正奥泵业制造有限公司
SHANGHAI ZHENGAO PUMP MANUFACTURE CO.,LTD.

磁力泵材料抗腐蚀状况

产品抗化学腐蚀状况 Chemical resistance guide

抗化学腐蚀标签注释:
A—优秀;
B—好
C——般
X—不能接受
——不能用

液体最高温度标签注释:
1—20度(68F);
2—40度(104F);
3—60度(140F);
4—80度(176F);
5—100度(212F);
6—120度(248F)

Chemical resistance ratings:
A—Excel lent
B—Good
C—Fair
X—Not Recommended
——Data Not Avai lable

Maximum operating temperature:
1—20℃ (68F);
2—40℃ (104F);
3—60℃ (140F);
4—80℃ (176F);
5—100℃ (212F);
6—120℃ (248F)

化学药品 CHEMICAL		材料 MATERIAL								
		聚丙烯 PP	聚偏二氟乙烯 Polyvinylidene fluoride Fibre	聚四氟乙烯 PTFE	不锈钢 Stainless steel	氟橡胶 FKM	丁腈橡胶 Chemigum	三元乙丙胶 EPDM	95陶瓷 95 Ceramic	高密度碳 High density carbon
硫酸 Sul furica Acid	0~10%	A4	A6	A6	B1	A6	B2	A4	A5	A6
	10~75%	A3	A3	A6	×	A4	×	A3	A5	A6
	75~100%	B2	B1	A4	C1	A4	–	B2	A5	A4
硝酸 Nitric Acid	10%	A3	A3	A5	A5	A5	×	A2	A5	A6
	30%	A2	A3	A6	A5	A6	×	A2	A5	A6
	50%	B2	A3	A3	A5	A1	×	×	A5	A5
盐酸 Hydrochloric Acid	0~25%	A4	A6	A6	×	A3	B1	A3	A5	A6
	25~40%	A4	A6	A6	×	B2	×	C2	A5	A6
氢氟酸 Hydrofluoric Acid	10%	B2	A6	A6	×	A3	×	A3	–	A3
	30%	C2	A6	A6	×	A4	–	B3	–	A3
	60%	×	A5	A6	×	A4	–	C2	–	A2
醋酸 Acetic Acid	20%	A2	A3	A6	B5	B1	B2	A2	A5	A4
	80%	B1	A3	A6	B1	×	–	–	A5	A4
氢氧化钠 Souium Hydroxide	20%	A3	A3	A6	B1	B1	B2	A3	–	A3
	50%	A3	A3	A6	B1	×	B1	A4	–	A3
溴水 Bromine Water		C1	A4	A3	C1	A2	–	×	A1	A2
乙醇 Ethyl Alcohol		A2	A6	A3	B5	A3	×	B3	A3	A5
丙酮 Acetone		A2	×	A6	A5	×	–	B2	A3	A5
氟里昂12 Freon12		×	A4	A6	B5	A1	×	B1	A4	A4
氯化铝 Aluminum Chloride		A4	A6	A6	×	A5	B4	A4	A4	A5
氨水 Ammonia Liquid		A1	A4	A6	A5	C1	B1	B3	A3	A5
王水 Aqua reria		C2	A1	A5	×	B2	–	C2	A4	–
甲醛 Formaldehyde.		A4	A4	A6	A4	A4	×	A4	A4	A5
汽油 Gasoline		×	A6	A6	A5	B3	B3	×	A4	A6
煤油 Kerosene		A1	A6	A6	A5	A1	B1	×	A4	A6
甲醇 Methyl alcohol		A3	A6	A6	A5	B2	B4	A3	A5	A6
甲苯 Toluene		C1	A3	A4	A5	B1	–	×	A5	A4
三氯乙烯 Trichloroethylene		C1	A6	A6	B5	A1	–	×	A4	A6
二甲苯 Xylene		×	A3	A6	A5	B1	–	×	A5	A5
无水硝酸 Nitric acid anhydrous		C1	A3	A3		A1	–	×	A5	A2
发烟硫酸 Oleum		×	×	A6	×	A4	–	×	A5	A2
氢氧化钾 Potassium hydroxide		A4	A3	A6	A1	B1	C2	A5	–	A6

注：95陶瓷——含氧化铝95%。 Note:95 cerami means containing 95 percent of alumina

CQ 型不锈钢磁力驱动泵

CQ系列不锈钢磁力驱动泵 CQ series stainless steel magnetic-driving pump

◆概述

CQ系列磁力泵具有结构简单、外型美观、体积小、噪音低、运转可靠、使用维修方便等优点。按材质分为不锈钢和工程塑料两大类。是目前应用最广泛的无泄漏泵。

Summarize

CQ series magnetic-driving pump have simplestru-cture,fine exterior,small volume,low noise,reliable work, handy for use and service.It can be divided into two parts, one is stainless steel and the other is engineering plastics. Now it is the most popular non-leakage pump.

◆型号意义 Model Description

40 CQ - 20

- 20：额定扬程(m) Delivery Head
- CQ：磁力驱动泵 Magnetic-driving pump
- 40：进口直径(mm) Inlet diameter(mm)

◆出色的耐腐蚀能力

过流部件采用不锈钢、高密度碳、高纯氧化铝陶瓷、填充聚四氟乙烯等耐腐蚀材料制造，加上无泄漏密封结构设计，确保化学流体的安全输送。

Excellent corrosion resistance

Main components are made of highly corrosion resistant materials such as stainless steel,high-density carbon,high-purity aluminaceramics,and fill up pvf.The use of such materials combined with a leakfree seal-less construction ensures the safe transfer of most types of chemical liquid.

◆高效/节能设计

泵的最高效率达到50-55%，泵的设计过程是充分考虑了节能。

High-efficiency/energy-saving design

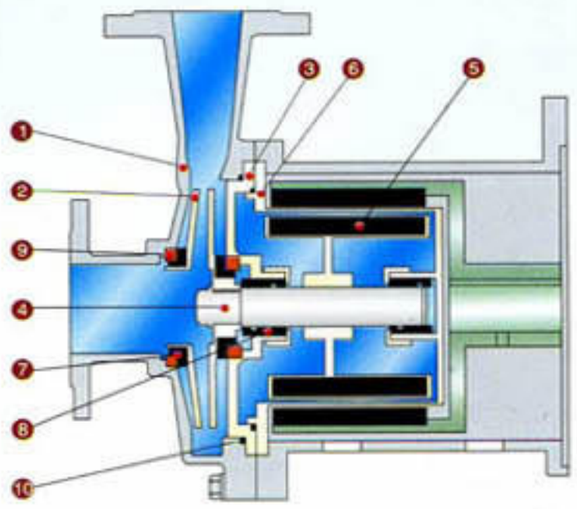
The maximum pump efficiency reaches 50-55%,the highest level for resin pumps.In designing the pump, energy-saving was taken into full consideration.

◆简便的维修/保养

结构简单，主要部件模块化，以便于简便快速的拆卸和检查。易损件可单独更换。

Easy maintenance/inspection

The structure is simple,with a minimum of components. In addition,the major parts are modularized for easy and quick disassembly and inspection.The expendable parts can be replaced individually.



1、泵壳 Pump shell
不锈钢Stainless steel(1Cr18Ni9Ti)

2、叶轮 Impeller unit
不锈钢Stainless steel(1Cr18Ni9Ti)

3、隔板 Clapbcard
不锈钢Stainless steel(1Cr18Ni9Ti)

4、泵轴 Pump shaft
不锈钢Stainless steel(1Cr18Ni9Ti)

5、磁内转子 Magnetic inner rotor
不锈钢Stainless steel(1Cr18Ni9Ti)

6、隔离套 Isolating suite
不锈钢Stainless steel(1Cr18Ni9Ti)

7、动环 Act hoop
填充聚四氟乙烯Fill up polyterafluoroethylene
高密度碳 high-density carbon

8、轴承 Bearing
填充聚四氟乙烯Fill up polyterafluoroethylene
高密度碳 high-density carbon

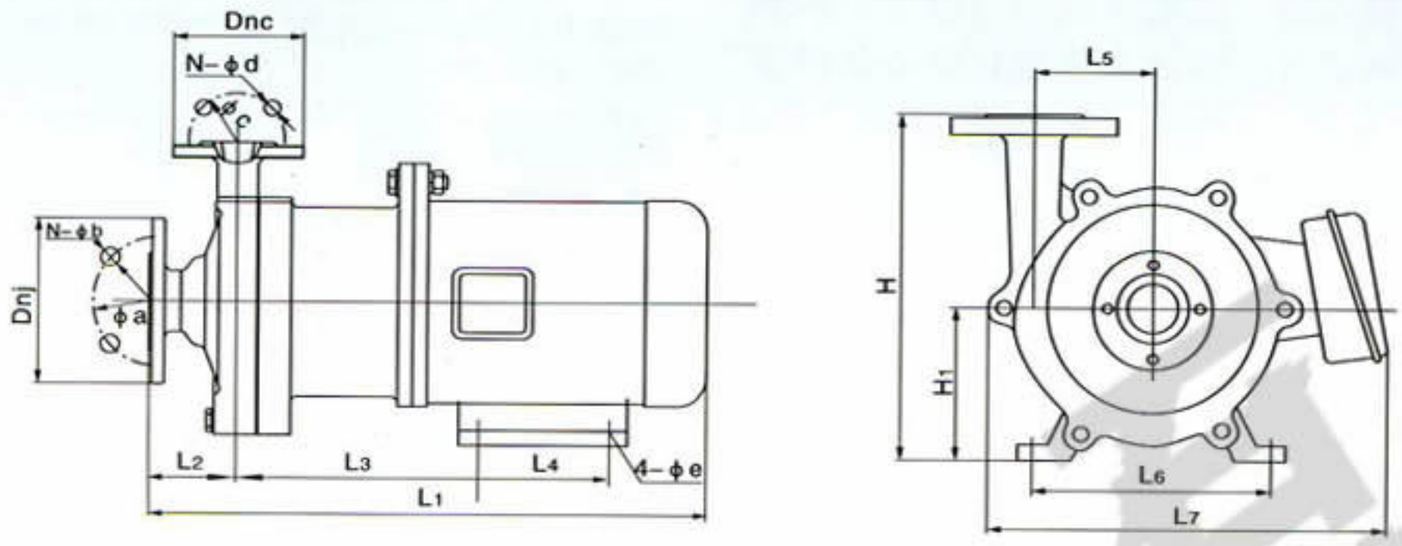
9、静环 Standstill hoop
高纯氧化铝陶瓷
high-purity aluminaceramics

10、密封圈 O-ring
三元乙丙橡胶(EPDM)
氟橡胶(Viton)

CQ 型不锈钢磁力驱动泵

CQ系列不锈钢磁力驱动泵 CQ series stainless steel magnetic-driving pump

◆外型安装尺寸
External and drawing of installation dimension



型 号 Type	Dnj	a	N-φb	Dnc	c	n-φd	e	L1	L2	L3	L4	Ls	L6	L7	H	H1
14CQ-5P	管子连接						7	320	61.5	115	71	45	90	130	150	56
16CQ-8P							7	320	61.5	115	71	45	90	130	150	56
20CQ-12P							8	350	59.5	135.5	80	54	100	160	166	63
25CQ-15P	100	75	4-φ12	90	65	4-φ12	10	460	67.5	184	100	71.5	125	240	210	80
32CQ-15P	120	90	4-φ12	100	75	4-φ12	10	460	67.5	184	100	71.5	125	240	210	80
32CQ-25P	120	90	4-φ12	100	75	4-φ12	10	460	70	187.5	125	85	140	260	240	90
40CQ-20P	130	100	4-φ14	120	90	4-φ14	10	545	74	239	125	85.5	140	290	240	90
40CQ-32P	130	100	4-φ14	120	90	4-φ14	12	620	80	260.5	140	90	190	336	260	112
50CQ-25P	140	110	4-φ14	130	100	4-φ14	12	620	80	260.5	140	90	190	336	260	112
50CQ-32P	140	110	4-φ14	130	100	4-φ14	12	620	80	260.5	140	90	190	336	260	112
50CQ-50P	165	125	4-φ18	140	100	4-φ18	12	700	82	318	140	112	216	350	305	132
65CQ-25P	160	130	4-φ14	140	110	4-φ14	12	695	93	305	140	90	216	350	305	132
65CQ-32P	160	130	4-φ14	140	110	4-φ14	12	700	69.5	303.5	140		216	350	292	132
65CQ-50P	185	145	4-φ18	150	110	4-φ18	15	856	95.5	373.5	210		254	420	365	160
80CQ-32P	190	150	4-φ18	160	130	4-φ14	15	855	92.5	376.5	210		254	400	335	160
80CQ-50P	200	160	8-φ18	165	125	4-φ18	15	856	95.5	373.5	210		254	420	365	160
100CQ-32P	210	170	4-φ18	150	150	4-φ18	15	855	92.5	376.5	254		254	400	335	160
100CQ-50P	220	180	8-φ18	185	145	4-φ18	15	1650	145	405	241		279	520	415	180
125CQ-32P	240	200	8-φ18	210	170	4-φ18	15	1650	145	405	241		279	520	415	180
150CQ-25P	265	225	8-φ18	240	200	8-φ18	15	1650	145	405	241		279	520	415	180

◆性能参数
performance parameter

Type 型 号	∅ mm 进口 inlet	∅ mm 出口 outlet	(m) 扬程H Head	L/min 流量Q Flow	kw 功率 Power	(r/min) 转速n Rotating Speed	(V) 电压 Voltage	
14CQ-5P	14	10	5	20	0.18	2800	220/380	不锈钢 Stainless steel
16CQ-8P	16	12	8	30	0.18	2800	220/380	
20CQ-12P	20	12	12	50	0.37	2800	220/380	
25CQ-15P	25	20	15	110	1.1	2800	380	
32CQ-15P	32	25	15	110	1.1	2800	380	
32CQ-25P	32	25	25	90	1.1	2800	380	
40CQ-20P	40	32	20	180	2.2	2800	380	
40CQ-32P	40	32	32	200	4	2800	380	
50CQ-25P	50	40	25	240	4	2800	380	
50CQ-32P	50	40	32	220	4	2800	380	
50CQ-50P	50	32	50	130	5.5	2800	380	
65CQ-25P	65	50	25	280	5.5	2800	380	
65CQ-32P	65	50	32	450	5.5/7.5	2800	380	
80CQ-32P	80	65	32	850	11	2800	380	
80CQ-50P	80	65	50	850	15	2800	380	
100CQ-35P	100	80	35	1000	15	2800	380	
100CQ-50P	100	80	50	1000	18.5	2800	380	
125CQ-32P	125	100	32	1700	22	2800	380	
125CQ-32P	125	100	32	2500	30	1450	380	
150CQ-25P	150	125	25	3350	30	1450	380	

CQF 型工程塑料磁力驱动泵

CQ系列工程塑料磁力驱动泵 CQ series Light engineering plastic magnetic-driving pump

◆出色的耐腐蚀能力

过流部件采用高强度的工程塑料、聚四氟乙烯、高纯氧化铝陶瓷、填充聚四氟乙烯、高密度碳等耐腐蚀材料制造，加上无泄漏密封结构设计，确保大多数化学流体的安全输送。

◆高效/节能设计

叶轮与磁内转子采用整体注塑，大大提高了泵的效率，减少泵组件的体积。

◆简便的维修/保养

结构简单，主要部件模块化，以便于简便快速的拆卸和检查。易损件可单独更换。

Excellent corrosion resistance

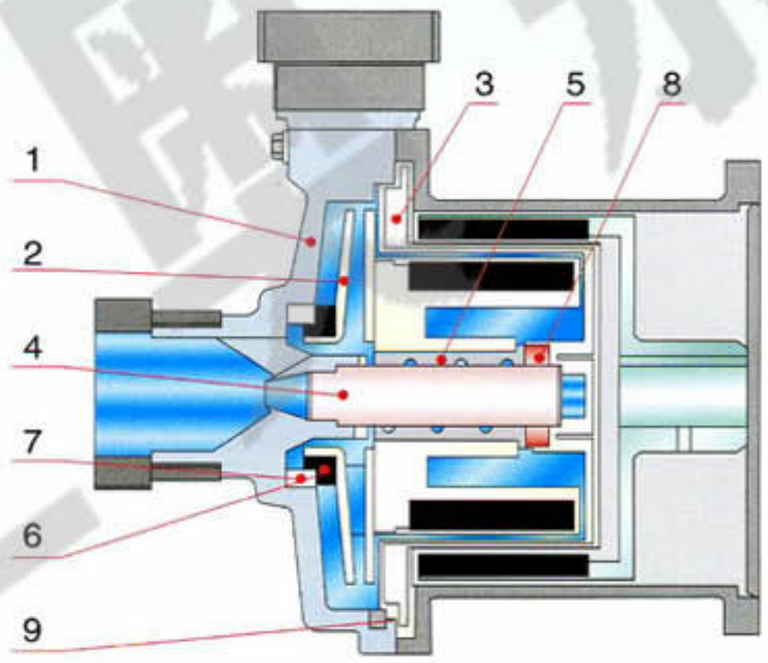
Main components are made of highlycorrosionresistant materials such asengineering plastics,polytetrafluoroethy lene,high-density carbon,fill up poly-terafluoroethy-lene and high-purity aluminaceramics.The use of such materials combines with a leakfree seal-lessconstruction ensures the safe transferof most types of chemical liquid.

High-efficiency/energy-saving design

Whole plastics injection is used at vanewheel and magnetic inner rotor,which highlyincreasesthe efficiency of pump and decreasesthe volume of pump part.

Easy maintenance/inspection

The structure is simple,with a minimum of components. In addition,the major parts are modularized for easy and quick disassembly and inspection.The expendable parts can be replaced individually.



1、泵壳：由增强聚丙烯注塑成型，结构坚固。
Pump body:It is made by injection moulding with intensified PP,Solid structure

2、叶轮组件：叶轮和磁内转子采用整体注塑成型，为叶轮提供强大转矩。
Impeller unit :The use of whole plastics injection at the impeller and magnetic inner rotor makes impeller have strong torque.

3、隔离套：由增强聚丙烯合金整体注塑成型，有效防止泵内压形成的变形。
Isolating suite:It is made by whole plastics injection with intensified PP as the substrate of alloy which can effectly preveng the deformation form the inner pressure of pump.

4、泵轴：高纯氧化铝陶瓷、碳化硅等材料可供选择
Pump shaft:The availablematerials which made pump shaft are high-purity aluminaceramics.SIC.

5、轴承：采用填充聚四氟乙烯、高密度碳
Bearing:The fill up polyterafluoroethylene, high-density carbon is used.

6、动环：采用填充聚四氟乙烯
Act hoop:The fill up polyterafluoroethylene is used.

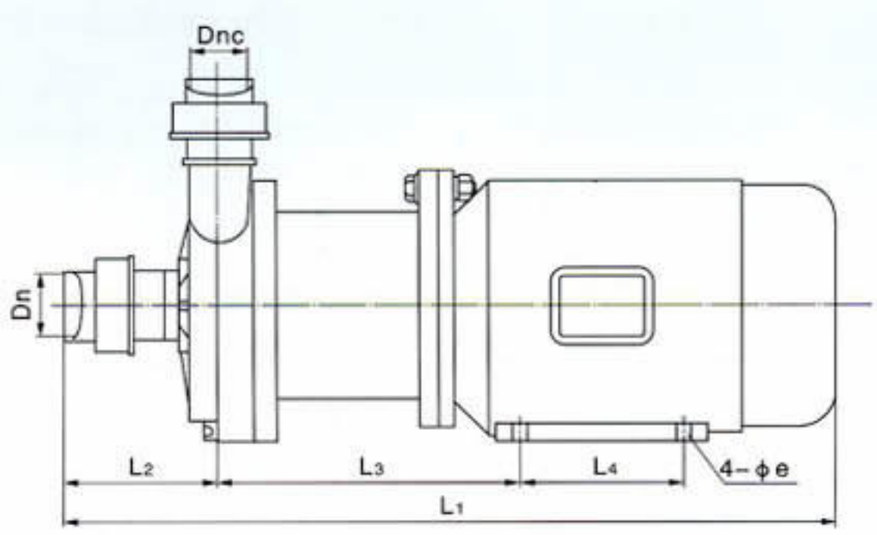
7、前静环：采用高纯氧化铝陶瓷。
Front standstill hoop:The highpurity aluminaceramics is used.

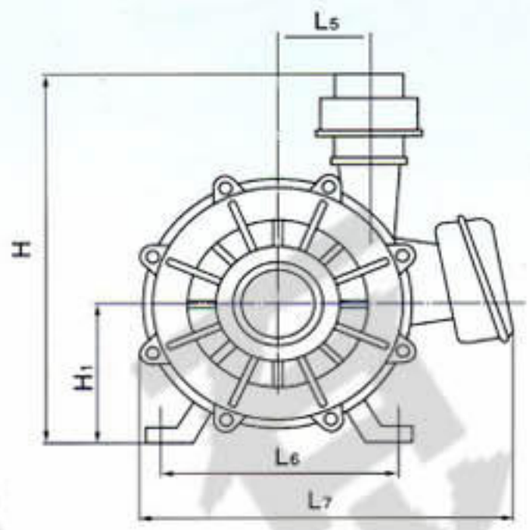
8、后静环：采用高纯氧化铝陶瓷。
Back standstill hoop:The highpurity aluminaceramics is used.

9、密封圈：采用氟橡胶、聚四氟乙烯(FKM)、三元乙丙橡胶(EPDM)。
O-Ring:The FKM EPDM and polyteraf luoroe thyleneis used.

CQ系列工程塑料磁力驱动泵 CQ series Light engineering plastic magnetic-driving pump

◆外型安装尺寸
External and drawing of installation dimension





型 号 Type	Dn	Dnc	L1	L2	L3	L4	L5	L6	L7	e	H	H1
10CQ-3F	12	10	200	40	60	50	25	68	75	6	100	45
14CQ-5F	14	12	215	55	75	70	30	70	110	8	115	56
16CQ-8F	16	16	300	55	110	70	40	90	110	8	136	56
20CQ-12F	25	18	380	65	145	80	50	110	140	8	170	70
25CQ-15F	25	20	460	80	180	100	70	125	255	10	230	95
32CQ-15F	32	25	460	80	180	100	70	125	255	10	230	95
32CQ-25F	32	25	460	80	180	100	70	125	255	10	230	95
40CQ-20F(1.5kW)	40	32	500	80	185	120	70	140	255	10	230	95
40CQ-20F(2.2kW)	40	32	545	75		120		140	290	12	220	100
50CQ-32F	50	40	583	83	235	250	78.5	190	309	12	310	165
65CQ-25F	65	50	700	83				250	319	12	385	210
65CQ-32F	65	50	700	83				250	319	12	385	210

◆性能参数
performance parameter

Type 型 号	∅ mm 进口 inlet	∅ mm 出口 outlet	(m) 扬程H Head	L/min 流量Q Flow	kw 功率 Power	(r/min) 转速n Rotating Speed	(V) 电压 Voltage	
8CQ-2F	8	6	2	15	0.025	2800	220	工程塑料 Engineering plastics
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	

上海正奥泵业制造有限公司
SHANGHAI ZHENGAO PUMP MANUFACTURE CO.,LTD.

CQB 型重型 CQB-G 高温型磁力驱动泵

CQB系列磁力驱动泵 CQB series magnetic-driving pump

◆用途

CQB系列磁力泵广泛应用于石油、化工、冶金、制药、电镀、环保等行业，可输送100℃以下易燃、易爆、剧毒、贵重液体。

CQB-G系列高温磁力泵广泛应用于石油、化工、冶金、制药、电镀、环保等行业，可输送温度≤280℃高温类易燃、易爆、剧毒、贵重液体。

◆性能

流量：3.2-100m³/h
扬程：20-80m
功率：0.75-75kw

◆特点

采用磁力传动原理及设置水冷却装置无泄漏输送腐蚀性高温介质。

◆型号意义

CQB 50 - 32 - 160 G

重型磁力驱动泵
Heavy duty Magnetic Driving Pump

吸入口径(mm)
Suction Caliber(mm)

高温型
High Temperature Type

叶轮名义直径(mm)
Impeller Nominal Diameter(mm)

排出口径(mm)
Discharge Caliber(mm)

Application

CQB series magnetic pump can be widely applied to petroleum,chemicals,metallurgy,pharmacy,electroplating, environmental protection and so on.It can transmit under 100℃ liquid with flammability,explosion,toxin and value.

CQB-G series magnetic pump can be widely applied to petroleum,chemicals,metallurgy,pharmacy,electroplating, environmental protection and so on, It can transmit the liquid with temperature≤280℃ high-temperature species flammability,explosion,toxin and value.

Performance

Flowing rate: 3.2-100m³/h
Delivery head: 20-80m
Power of work: 0.75-75kw

traits

Adopt magnetism transmission principle and water cooling installation non-leakages transmit corrosive high-temperature media.

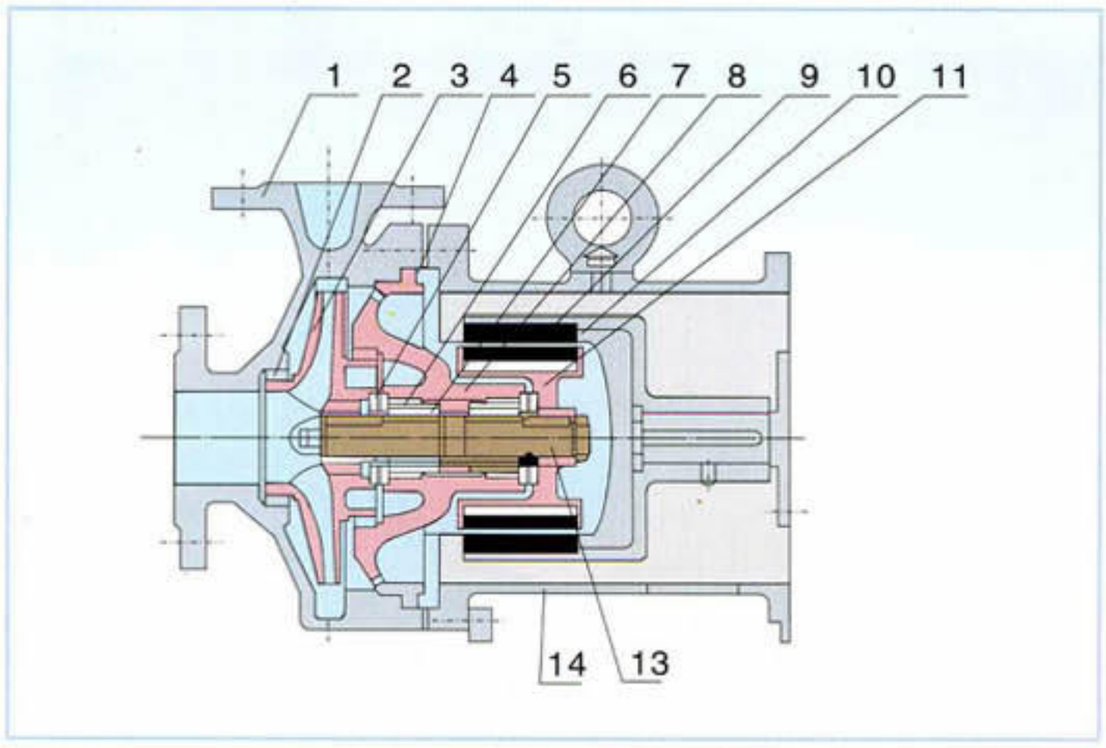
CQB

CQB-G

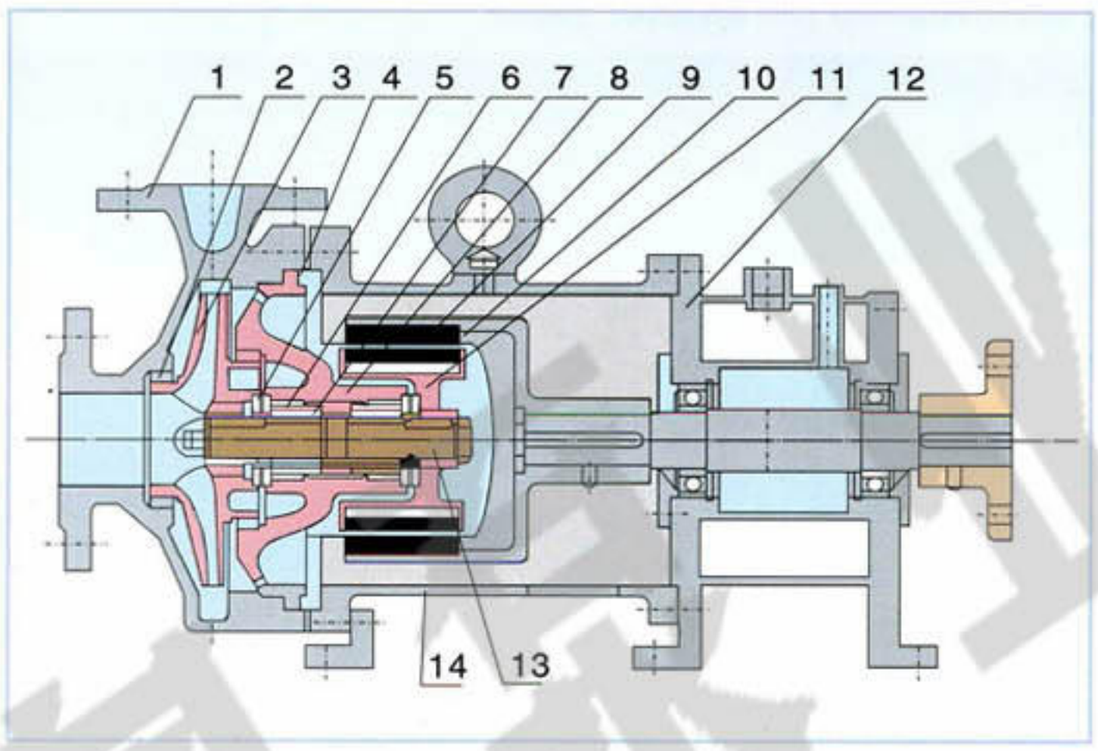
CQB 型重型 CQB-G 高温型磁力驱动泵

CQB系列磁力驱动泵 CQB series magnetic-driving pump

◆CQB结构说明 CQB Formation instruction



◆CQB-G结构说明 CQB-G Formation instruction



1、泵体 Pump body
不锈钢 Stainless steel

2、静环 Standstill hoop
不锈钢Stainless steel

3、叶轮Impeller unit
不锈钢Stainless steel

4、密封圈O-Ring
聚四氟乙烯Polyterafluoroethylene

5、前后止推环Front and back halting ring
碳化钨WC

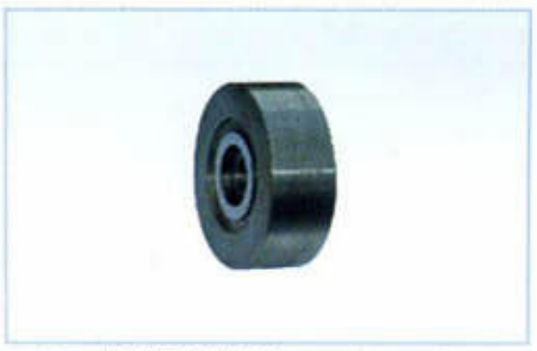
6、前后轴承 Front and back bearing
碳石墨(M106K)

7、前后轴套 Front and back shaft sleeve
碳化钨WC

8、轴承体 Bearing body
不锈钢 Stainless steel

9、外磁钢总成Exterior magnetic steel part
磁体组件 Magnetic body part

10、隔离套 Isolating suite
不锈钢Stainless steel



11、内磁钢总成 Magnetic steel part
磁体组件Magnetic body part

12、冷却箱Cooling box
组合件Part

13、泵轴 Pump shaft
不锈钢 Stainless steel

14、联接架 Braced framing
铸铁Cast iron

CQB 型重型 CQB-G 高温型磁力驱动泵

CQB、CQB-G系列磁力驱动泵 CQB、CQB-G series magnetic-driving pump

CQB、CQB-G性能参数表
Performance parameter table

Type 型 号	m³/h 流量Q Flow	(m) 扬程H Head	汽蚀余量 Positive suction heat (NPSH)r(m)	转速 Rotating Speed n (r/min)	轴功率 Axial power Pa (kW)	% 效率 η Efficiency	配带电机功率 Electric efficiency kw 介质密度 Media density g/cm³ ≤1	≤1.3	≤1.84
CQB32-20-125	1.9 3.2 3.8	22 20 18.5		2900	0.49 0.58 0.62	23 30 31	YYB 801-2 0.75	YYB 802-2 1.1	YYB 90S-2 1.5
CQB32-20-160	1.9 3.2 3.8	34 32 29		2900	0.84 0.99 1.03	21 28 29	YYB 802-2 1.1	YYB 90S-2 1.5	YYB 90L-2 2.2
CQB40-25-105	3.8 6.3 7.5	13 12.5 11		2900	0.42 0.55 0.56	32 39 40	YYB 801-2 0.75	YYB 802-2 1.1	YYB 90S-2 1.5
CQB40-25-125	3.8 6.3 7.5	22 20 18.5		2900	0.81 0.98 1.05	28 35 36	YYB 802-2 1.1	YYB 90L-2 2.2	YYB 100L-2 3.0
CQB40-25-160	3.8 6.3 7.5	34 32 29		2900	1.41 1.72 1.79	25 32 33	YYB 90L-2 2.2	YYB 100L-2 3.0	YYB 112M-2 4.0
CQB40-25-200	3.8 6.3 7.5	52.5 50 48		2900	3.02 3.43 3.77	18 25 26	YYB 112M-2 4.0	YYB 132S1-2 5.5	YYB 132S2-2 7.5
CQB50-40-85	7.5 12.5 15	9 8 7.5	3.5 3.5 4.0	2900	0.46 0.56 0.61	40 49 50	YYB 801-2 0.75	YYB 802-2 1.1	YYB 90S-2 1.5
CQB50-32-105	7.5 12.5 15	13 12.5 11	3.5 3.5 4.0	2900	0.76 0.91 0.94	35 47 48	YYB 802-2 1.1	YYB 90S-2 1.5	YYB 90L-2 2.2
CQB50-32-125	7.5 12.5 15	22 20 18.5	3.5 3.5 4.0	2900	1.49 1.62 1.63	30 42 43	YYB 90L-2 2.2	YYB 100L-2 3.0	YYB 112M-2 4.0
CQB50-32-160	7.5 12.5 15	34 32 29	3.5 3.5 4.0	2900	2.48 2.79 2.96	28 39 40	YYB 100L-2 3.0	YYB 112M-2 4.0	YYB 132S1-2 5.5
CQB50-32-200	7.5 12.5 15	52.5 50 48	3.5 3.5 4.0	2900	5.10 5.49 6.13	21 31 32	YYB 132S2-2 7.5	YYB 132S2-2 7.5	YYB 160M1-2 11
CQB50-32-250	7.5 12.5 15	82 80 78.5	3.5 3.5 4.0	2900	9.57 10.89 13.32	17.5 25 26	YYB 160M2-2 15	YYB 160L-2 18.5	YYB 180M-2 22
CQB65-50-125	15 25 30	22 20 18.5	3.5 3.5 4.0	2900	2.25 2.67 2.91	40 51 52	YYB 100L-2 3.0	YYB 112M-2 4.0	YYB 132S1-2 5.5
CQB65-50-160	15 25 30	34 32 29.5	3.5 3.5 4.0	2900	4.34 5.07 5.48	32 43 44	YYB 132S1-2 5.5	YYB 132S2-2 7.5	YYB 160M1-2 11
CQB65-40-200	15 25 30	53 50 47	3.5 3.5 4.0	2900	8.66 9.20 10.1	25 37 38	YYB 160M1-2 11	YYB 160M2-2 15	YYB 160L-2 18.5
CQB65-40-250	15 20 30	82 80 78.5	3.5 3.5 4.0	2900	13.4 14.72 16.88	25 37 38	YYB 160L-2 18.5	YYB 180M-2 22	YYB 200L1-2 30
CQB80-65-125	30 50 60	22.5 20 18	4.0 4.0 4.5	2900	4.48 5.24 5.55	41 52 53	YYB 132S1-2 5.5	YYB 132S2-2 7.5	YYB 160M1-2 11
CQB80-65-160	30 50 60	34 32 29	4.0 4.0 4.5	2900	7.72 9.08 9.67	36 48 49	YYB 160M1-2 11	YYB 160M2-2 15	YYB 160L-2 18.5
CQB80-50-200	30 50 60	53 50 47	4.0 4.0 4.5	2900	12.03 14.80 16.34	36 46 47	YYB 160L-2 18.5	YYB 180M-2 22	YYB 200L1-2 30
CQB80-50-250	60 50 60	84 80 75	4.0 4.0 4.5	2900	19.06 23.68 26.07	36 46 47	YYB 200L1-2 30	YYB 220L2-2 37	YYB 225M-2 45
CQB100-80-125	60 100 120	23 20 16.5	4.0 4.0 4.5	2900	8.35 9.73 9.46	45 56 57	YYB 160M1-2 11	YYB 160M2-2 15	YYB 160L-2 18.5
CQB100-80-160	60 100 120	35 32 28	4.0 4.0 4.5	2900	12.43 15.85 16.34	46 55 56	YYB 160L-2 18.5	YYB 180M-2 22	YYB 200L1-2 30
CQB100-65-200	60 100 120	54 50 47	4.0 4.0 4.5	2900	21.01 25.69 28.44	42 53 56	YYB 200L1-2 30	YYB 220L2-2 37	YYB 225M-2 45
CQB100-65-250	60 100 120	86 80 74.5	4.0 4.0 4.5	2900	37.98 45.39 49.69	37 48 49	YYB 225M-2 45	YYB 250M-2 55	YYB 280S-2 75