IMC(CIH) 系列不锈钢磁力泵

IMC(CIH) Series Stainless Steel Magnetic Pump

产品特点 Product Features

IMC(CIH)系列磁力传动离心泵是我公司最新研究开发的新型完全无泄漏耐腐蚀泵，其技术指标与国外同类产品水平相当。性能、尺寸和标记符合ISO2858/GB5662/DIN24256标准。外形安装尺寸与IH型泵一致，方便用户更换和使用。

IMC(CIH)系列磁力传动离心泵适用与石油、化工、环保、制药、食品、造纸、印染、电镀、污水处理等行业，是易燃、易爆、易汽化、有毒、稀有贵重和各种和各种腐蚀液体输送的理想设备。

IMC(CIH) series magnetic-force drive centrifugal pump is a new type entirely non-leakage erosion-proof pump developed by our company, its technology reaches the level of the congeneric products from overseas, and the capability, dimension and mark are in conformity with ISO2858/GB5662/DIN24256. Its external installation dimension is the same with that of IH type pump, and is convenient to replace and use.

IMC(CIH) series magnetic-force drive centrifugal pump is applied in the fields such as petroleum, chemicals, environmental protection, pharmacy, foodstuff, papermaking, printing and dyeing, electroplating, sewage treatment etc., and is the ideal equipment to transfer the flammable, explosive, easily-evaporization, poisonous, rare or erosive liquids.

型号意义 Signification of Model

IMC(CIH) 50 - 32 - 160

- 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 Model	流量 Flow (m^3/h)	扬程 Head (m)	电机功率 Motor power (kW)	效率 Efficiency (%)	汽蚀余量 Net positive suction head (NPSH)r(m)	轴功率 Shaft power (kW)	转速 Rotary speed (r/min)
IMC50-32-125	12.5	20	4	46	2.0	1.48	2900
IMC50-32-160	12.5	32	4	41	2.0	2.66	2900
IMC50-32-200	12.5	50	7.5	35	2.0	4.86	2900
IMC50-32-250	12.5	80	15	30	2.0	9.07	2900
IMC65-50-125	25	20	4	50	2.0	2.31	2900
IMC65-50-160	25	32	7.5	55	2.0	3.96	2900
IMC65-40-200	25	50	11	48	2.0	7.09	2900
IMC65-40-250	25	80	22	39	2.0	13.96	2900
IMC80-65-125	50	20	7.5	65	2.4	4.19	2900
IMC80-65-160	50	32	11	62	2.4	7.03	2900
IMC80-50-200	50	50	18.5	58	2.4	11.75	2900
IMC80-50-250	50	80	37	51	2.4	21.38	2900
IMC100-80-125	100	20	15	69	3.2	7.90	2900
IMC100-80-160	100	32	22	67	3.2	13.02	2900
IMC100-65-200	100	50	37	62	3.2	21.98	2900
IMC100-65-250	100	80	55	61	3.2	35.74	2900

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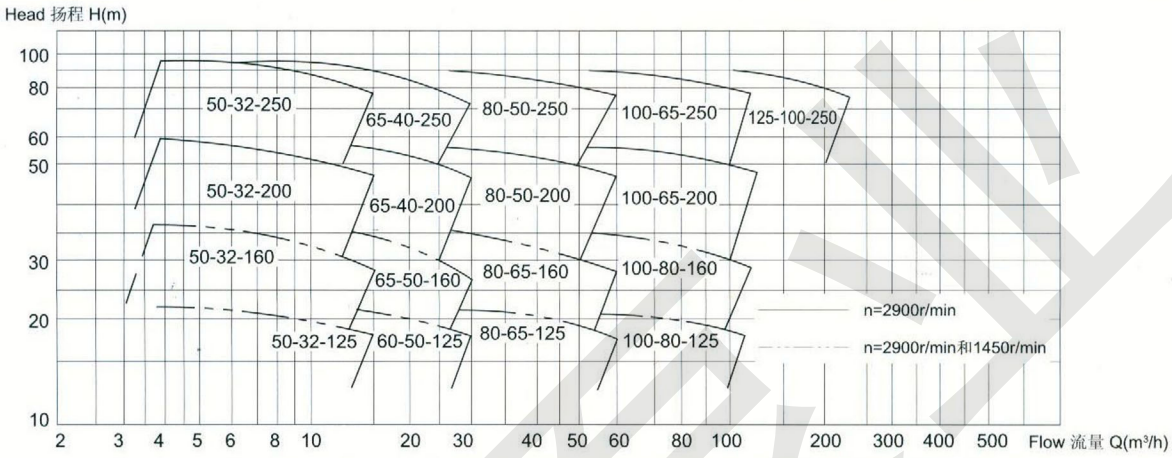
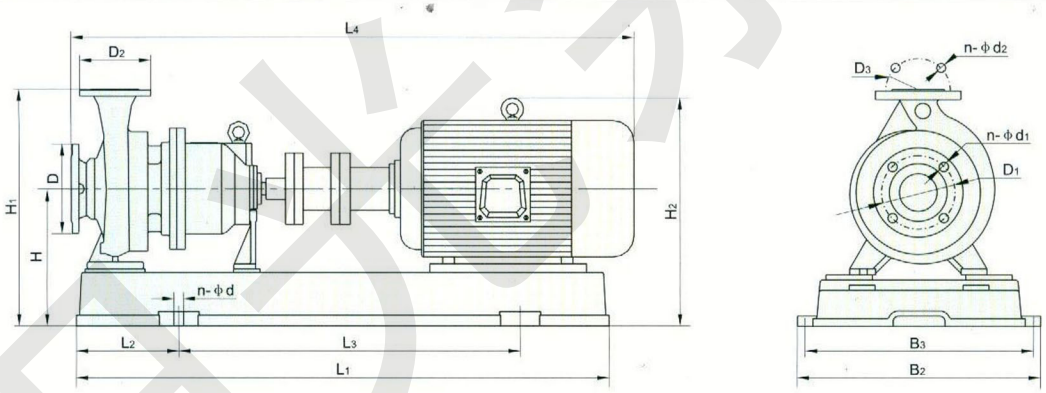
型谱图 Type Arrangement Chart



安装尺寸 Installation Dimensions



型号 Model	L1	L2	L3	L4	H	H1	D	D1	D2	D3	B3	B2	n-φd	n-φd1	n-φd2
IMC50-32-125	920	170	600	995	197	337	160	125	135	100	350	390	4-18	4-18	4-18
IMC50-32-160	920	170	600	1025	217	377					350	390	4-18	4-18	4-18
IMC50-32-200	1000	170	660	1075	260	440					400	450	4-24	4-18	4-18
IMC50-32-250	1290	225	840	1395	340	565					490	540	4-24	4-18	4-18
IMC65-50-125	920	170	600	1025	197	337	180	145	160	125	390	390	4-18	4-18	4-18
IMC65-50-160	1000	170	660	1075	217	377					400	450	4-24	4-18	4-18
IMC65-40-200	1200	220	740	1240	300	480					440	490	4-24	4-18	4-18
IMC65-40-250	1290	225	840	1430	340	565					490	540	4-28	4-18	4-18
IMC80-65-125	1000	170	660	1095	232	395	195	160	180	145	400	450	4-24	4-18	4-18
IMC80-65-160	1200	220	740	1240	300	480					440	490	4-24	4-18	4-18
IMC80-50-200	1200	220	740	1240	300	500			160	125	440	490	4-24	4-18	4-18
IMC80-50-250	1460	230	840	1528	340	565					550	610	4-28	4-18	4-18
IMC100-80-125	1200	220	740	1240	300	480	215	180	195	160	440	490	4-24	4-18	4-18
IMC100-80-160	1290	225	840	1430	340	540					490	540	4-24	4-18	4-18
IMC100-65-200	1460	230	840	1543	360	585			180	145	550	610	4-28	4-18	4-18
IMC100-65-250	1530	230	940	1700	410	655					600	660	4-28	4-18	4-18

磁力泵安装使用与注意事项

Installation, Operation and Cautions of Magnetic Pump

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竖立，塑料泵不得承受管路重量，特殊垂直安装的场合，电机务必朝上。
二、抽吸液面高于泵轴心线时，起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，属于选购件)。
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 ferom agnetic 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。

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.