

自吸泵(CIP泵) Self-priming pump(CIP pump)



应用

- ◆该泵为卫生设计侧墙，自吸的泵，适用于食品加工、制药和化学工业中。
- ◆它专为设计于用于抽吸含有空气或气体的物料，它也可以被用于带优先吊吸及过滤设备的负吸入口。
- ◆它可用于酒、油、糖浆、挥发物、如酒精、丙酮槽和其他溶剂，或是温度临近沸点的其他物料。但是，该泵的主要用途是用于CIP的回收。

工作原理

- ◆叶轮安置在入口泵体的文氏管套之间，它和泵轴装配起来旋转。
- ◆叶轮的旋转和侧墙的排列，在进口泵体内创造了一个负压，因而产生了泵的吸力。
- ◆同时，液体以动能和压能的形式接收能量，从而推动它流经叶轮盖。

设计和特点

- ◆电机外罩由冷冲型板做成
- ◆不锈钢熔模铸造进口气泵体和叶轮
- ◆机械密封圈可以阻止弹簧和被抽吸液体之间的接触
- ◆不锈钢机架
- ◆表面处理：喷砂处理

Applications

- ◆The pump is a sanitary lateral design self priming pump, it's suitable for food processing, pharmacy and chemical industry.
- ◆It is specially designed for pumping materials containing air or gas, and it can also be used for negative suction with prior priming as well as with filtration equipment.
- ◆It can be used for wine, oil, syrups, volatile products such as alcohol, acetone and other solvents, or with products at temperatures close to boiling point. However, the main use of this pump is for CIP recover.

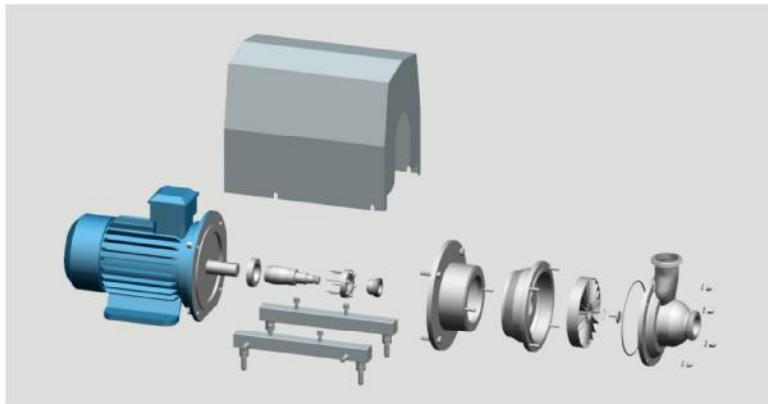
Operating principles

- ◆The impeller is housed between the inlet body and the venturi casing and it rotates in conjunction with the pump shaft.
- ◆The rotation of the impeller and arrangement of the side channel, creates a negative pressure inside the inlet body.
- ◆Which generates the suction force of the pump. At the same time, the fluid receives energy in the form of kinetic energy and pressure energy, and this impels it through the impeller casing.

Design and features

- ◆Motor cover manufactured with cold-formed plate
- ◆Stainless steel investment casting inlet body and impeller
- ◆Mechanical seal prevents contacting between the spring and the pumped fluid
- ◆Stainless steel support
- ◆Surface finish: Sandblast

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技术规格

- ◆最大流量: 30m³/h/132GPM
- ◆最高扬程: 30H(M)
- ◆最大压力: 3Bar/43 PSI
- ◆最高温度: 120°C/248°F
- ◆最高转速: 1750Min⁻¹
- ◆最大吸程: 8m/22ft

材质Materials

- ◆与物料接触部位: AISI-316/304
- ◆其他部分: AISI-304
- ◆垫圈(标准): EPDM(FDA)
- ◆机械密封圈(标准): SIC/SIC/EPDM
- ◆Parts in contact with pumped media: AISI-316/304
- ◆Other parts: AISI-304
- ◆Gaskets (standard): EPDM(FDA)
- ◆Mechanical seal(standard): SIC/SIC/EPDM

选项Options

- ◆机械密封圈: C/SIC/EPDM
- ◆垫圈: FPM(Viton)NBR
- ◆进出口连接: 卡箍、螺纹、法兰、DIN、SMS、3A、RJT
- ◆Mechanical seal in: C/SIC/EPDM
- ◆Gaskets in: FPM(Viton)NBR
- ◆Inlet & Outlet connections: Clamp, Male, Flange, DIN, SMS, 3A, RJT

Technical specifications

- ◆Max. Flow: 30m³/h/132GPM
- ◆Max. Head: 30H(M)
- ◆Max. pressure: 3Bar/43 PSI
- ◆Max. operating temp: 120°C/248°F
- ◆Max. rev: 1750Min⁻¹
- ◆Max. suction height: 8m/22ft

电机采用IEC EN IE2高效等级(相当于中国二级能效)，PTC热敏电阻
Motor the IEC EN IE2(Equivalent to China two energy
efficiency), PTC thermistor

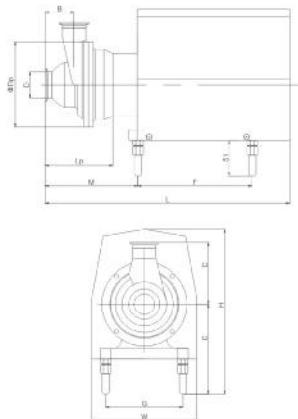
宽电压电机规格表

功率(kw) Power	电压备注 Voltage	功率(kw) Power	电压备注 Voltage
0.75	210V~230V/50HZ	4	380V~400V/50HZ
1.1	380V~400V/50HZ	4.5	430V~450V/50HZ
1.5	420V~460V/50HZ	7.5	420V~460V/50HZ
2.2		11	
3		15	

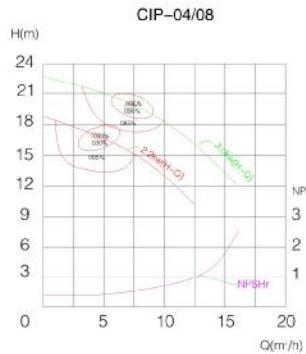


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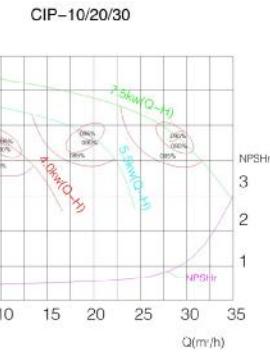
安装尺寸图 Assembly Dimension



自吸泵性能曲线图 Self-priming pump performance graph



说明:介质清水,温度20℃,叶轮转速1450R.P.M.
Note: Test condition is pure water, 20℃ temperature, impeller speed 1450RPM.



自吸泵选型表
Self-priming Pump selection table

型号 Model	流量(升/分) Flow rate(m³/h)	扬程 Discharge head(m)	功率 Power(kW)	进出口 Inlet & Outlet
CIP-B04	4	24	2.2kW	211.5'
CIP-B08	7	24	3kW	212'
CIP-B10	10	24	4kW	215.5'
CIP-B20	20	24	5.5kW	217.5'
CIP-B30	30	24	7.5kW	312.5'

注意:详细选型详见选型表;以下表格里的尺寸为参考值,实际尺寸以实物为准。
Attention: Please refer to selection table for details of next page. The size in the following form is the reference value, the actual size is subjected to actual object.

