

Leader of pumps and valves

YUAN'EN FLUID

远恩流体 — 泵与阀的领导者



追求卓越，缔造完美品质
SEEKING PROMINENCE, CREATING PERFECT QUALITY

远恩公司总经理：王秀珍

YUY

ADDRESS OF GENERAL MANAGER

总经理致辞

一份真诚谱写一种感动，一种拼搏和执着铸就一段辉煌历史，一个温馨的家园实现远恩人共同的梦想。

“远恩人”迈着坚实的脚步从上个世纪走来，全力投入到市场经济改革中，在瞬息万变的商场中以其独特的经营方式、先进的科学技术、顽强的拼搏精神、真诚的合作意识，不断探索着一条属于自己的道路。

我们本着“团结进取，求实创新，合作双赢”的原则，把顾客的要求视为自己工作的标准，向着“与世界同步，创中国第一”的目标，肩负着“兴民族工业，创人类健康”的使命而不停的奋斗。

“远恩”是联系你我他的友谊桥梁，是有志青年放飞希望、实现理想的沃土；是五湖四海有志之士施展才智的舞台；“远恩”给智慧者以勇气、给敬业者以坚强，让更多的理想变成现实，让更多的抱负结出硕果！

Sincerity composes sensation. Struggling perseverance creates brilliant history. The common dream is realized by Yuan'en personnel in a warm home.

Yuan'en personnel are walking from the last century with solid steps, going all out for the market economic reform and continuously exploring a unique road in the changing market through a unique mode of business operation, advanced science and technology, indomitable fighting spirit and sincere cooperation consciousness.

Based on the principle of "unity and enterprise, pragmatism and innovation, and cooperation for win-win", we regard customer requirements as our working standard, striving for the goal of "keeping pace with the world, being No. 1 in China" and the mission of "invigorating national industry, creating human health".

Yuan'en is a bridge that connects all of us. It is a rich land for young people of ambition to realize their dreams and a stage for people of insight from all over the world to display their talents. Yuan'en gives courage to the wiser and strength to the dedicated persons, making more dreams become reality and achieving greater success.



ENTERPRISE PROFILE

企业简介

温州远恩流体设备有限公司位于温州经济技术开发区滨海园区内。是国内少数生产高精度流体设备的厂家。公司注重国际合作，引进国际先进加工设备，专注于卫生泵、阀门、管件、管道链接件等产品的制造。不断在卫生级流体产品领域，进行专业化投资、研发、扩大生产规模。

公司的卫生级产品标准有：ISO、IDF、DIN 和 3A 等工业标准制造。各项技术均达到同行业领先水平，符合 GMP 药典要求。

公司坚信“用户是我们产品最好的检验员，市场是企业最公正的裁判员；承诺源自心灵深处的真诚，兑现成就你我。”

温州远恩流体设备有限公司以满腔的热情、真诚和进步对待与您的每一次合作。并诚信恭候您的光临！

公司以优质的产品、优惠的价格、满意的服务，竭诚欢迎国内外朋友的合作，共创辉煌！

Located in Binhai Park, Wenzhou Economic & Technological Development Zone, Wenzhou Yuan'en Fluid Equipment Co., Ltd. is one of the few manufacturers in China specialized in high precision fluid equipment. Focusing on international cooperation, our company introduces internationally advanced machining equipment and devotes itself to the manufacturing of sanitary pumps, valves, pipe fittings, pipe connectors and etc. We are endlessly making professional investment, research and development and expanding production scale in the field of sanitary fluid products.

Our sanitary products are manufactured in accordance with such industry standards as ISO, IDF, DIN and 3A. All technical indexes have reached advanced level in the industry, conforming to GMP requirements.

Our company believes that users are the best inspectors of our products, and market is the fairest judge of enterprises; promises stem from our sincerity from the bottom of our hearts, and mutual benefit is achieved by fulfilling them.

With full enthusiasm, sincerity and progress, Wenzhou Yuan'en Fluid Equipment Co., Ltd. cherishes every opportunity to cooperate with you and sincerely expects your visit.

With excellent products, favorable price and satisfactory service, our company sincerely hopes to cooperate with friends at home and abroad for mutual resplendence.



QUALIFICATIONS AND HONORS

资质荣誉

公司已通过ISO9001:2008质量体系认证和CE认证，完善的质量保证体系，可以保证整个设计、制造过程受到监督和控制。品质体现我们的尊严，出类拔萃的品质拒绝平庸，一丝不苟，千锤百炼，标准化的管理体系和系统化的品质保证体系让远恩品质在世界的每个角落都畅通无阻。远恩通过与合作者们卓有成效的努力，正促使“YUY品牌”成为世界上无可挑剔的产品。

Our company has been certified to ISO 9001:2008 quality system and CE. Quality represents our dignity. The outstanding quality refuses commonness. Being meticulous and thoroughly tempered. The standardized management system and systematic quality assurance system have led our products to get reliance from customers all over the world with their excellent quality. Through effective efforts with cooperators, Yuan'en personnel are promoting YUY brand to be the most impeccable in the world.



TALENTS AND EFFICIENT TEAM

人才与高效团队

远恩奉行“信以立世、智以立市、精以立事”的企业精神，赋有理想与激情的团队，这里充满开拓创新、追求卓越和蓬勃向上的朝气，聚集了大批敬业爱业、有理想、善经营、懂管理的精英。我们为员工提供和谐阳光的工作环境，倡导乐观向上的人生观。

在远恩逐渐成长的过程中形成了自己独具特色的文化，公司在管理上以企业文化为手段，使管理和文化相结合，形成了管理促进文化，文化辅助管理的良好氛围，由于拥有良好的人性化管理模式，公司在提高企业整体形象的同时，也大大增强了员工的凝聚力和向心力。



By holding the enterprise spirit of "securing a place in the world with faith, winning the market through wisdom, and achieving success with specialization", Yuan'en has built an ambitious and passionate team who keep pioneering and innovating and seek prominence in thriving vitality, and gathered a number of elites who are devoted to their career and adept in operation and management. We provide a harmonious and sunny work environment for employees and advocate an optimistic outlook on life.

Yuan'en has formed its unique culture on the road of gradual development. Our company adopts corporate culture as a means in management, and through combining management and culture, establishes a sound atmosphere where management promotes culture and culture assists management. Thanks to the good humanistic management mode, our company has greatly enhanced cohesion and centripetal force of employees while improving our overall corporate image.



TECHNOLOGY AND R&D

In the aspect of technology, Yuan'en has 10 senior engineers, 15 professional engineers and 32 professional technicians. We have extensive knowledge in various fields within the fluid treatment industry, including fluid pump conveying technology, fluid process control, pipe connection and filtering process. We adopt optimized ways to unceasingly improve production efficiency, for instance, conveying liquids safely and efficiently, maintaining cleanliness of all flow passage parts, and ensuring efficient cleaning according to sanitation standards and requirements. In addition, all equipment must work safely and efficiently with the minimum maintenance requirements.

Yuan'en personnel have always fulfilled social responsibility as its obligation. Through R&D and technological innovation with independent intellectual property rights, Yuan'en has merged the concept of low-carbon environmental protection, sustainable development and energy conservation into products and projects, making its contributions to environmental protection.



技术与研发

远恩在技术层面拥有高级工程师10人，专业工程师15人，专业技术人员32人。我们在流体处理行业内的各个领域具备广泛的知识，从流体泵送技术到流体过程控制、管道连接，以及过滤工艺。我们采用最优化的方法来不断提高生产的效率，如安全有效地运送液体，所有过流部件保持洁净，卫生标准要求高效的清洁。同时，所有设备必须在最少保修要求的情况下安全有效的工作。

一直以来，远恩人把社会责任当作义务来履行。通过研发以及在科技和自主知识产权创新，远恩将低碳环保、可持续发展与节约能源理念融入产品和工程项目，为环保做贡献。



LEAN PRODUCTION

精益生产

远恩将产品质量视为公司的生命，基于此，我们不惜投入大量资金引进现代化的生产设备，建设现代化车间，规范了生产程序，使每个员工都能按科学的生产程序生产，使我们的生产程序能得到最大可能的优化，满足日益发展的企业需要，从而在生产中杜绝了浪费，加快了速度，提高了品质，最终赢得了市场。

Yuan'en regards product quality as the life of our enterprise. Based on this, we have made a huge investment in introducing modern production equipment, building modern workshops and standardizing production procedures, so that every employee is able to work following scientific production procedures, our production procedures are optimized as much as possible, the increasing demands of our enterprise are met, and the waste in production is avoided. Production speed and quality have been improved, and finally, we have won the market.



精细、规范、行之有效的管理

远恩对企业生产的所有物料，包括原材料、零部件、在制品、半成品及产品，以及辅助物料进行精挑细选，严格把关，合理控制和管理。

公司在生产过程中，严格按照 ISO9001 质量管理体系的要求进行管理，通过提高工作质量保证产品的稳定性，同时加强客户服务的管理，多年来公司产品质量检验的合格率达到100%。

绝不让一件不合格的产品出厂，我们相信这既是对客户负责，更是对我们自己负责。



FINE, STANDARD AND EFFECTIVE MANAGEMENT

Yuan'en carries out careful selection, strict and reasonable control and management of all materials for production, including raw materials, parts, work in process, semi-finished products, finished products, as well as auxiliary materials.

The production process is controlled in strict accordance with ISO9001 quality management system. Over the years, our company has always maintained a product quality inspection qualification rate of 100% through improving work quality, ensuring product stability and promoting customer service.

We will never sell one nonconforming product to clients. We believe that it not only means the responsibility for customers, but also for ourselves.



CREATING GOOD PRODUCTS WITH NEW TECHNOLOGIES AND NEW TECHNIQUES

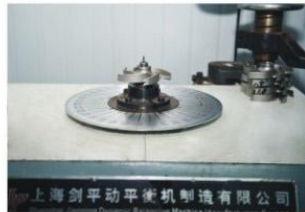
新技术，新工艺，铸就好产品





PRECISE INSPECTION

Yuan'en adopts the advanced inspection and testing facilities to carry out quality control of casting blanks and final products. The highly responsible inspectors concentrate on every part so that every piece of finished product is capable of standing up under customers' careful selection. Yuan'en also actively introduces internationally advanced quality management system. We took the lead among our peers in the industry in obtaining the ISO9001 international quality system certificate, winning reliance from customers with excellent quality.



精密检测

从毛坯铸件到最终产品，远恩拥有先进的检验和测试设备进行质量控制。检验员高度负责的用心溶于每一个部件中，使每一个产品的成品经得住消费者的精心挑选。远恩还积极导入国际先进的品质管理系统，在行内通过国际ISO9001质量体系认证，以卓越的品质赢得了消费者的信赖。



MARKETING NETWORK

营销网络



远恩始终坚持灵活多样的市场策略，积极开展以客户为中心的市场营销策划工作。成熟的生产工艺、严谨的工作作风和完善的质量管理体系，全面保证从原材料采购、产品制造销售环节得以高效而规范运行，我们始终坚持以质量第一、信誉至上、服务满意、持续改进的经营方针，以高质量的产品，优质的服务来满足国内外客户的高端要求。

By consistently adhering to diversified marketing strategies, Yuan'en is actively developing marketing activities revolving around customers. With mature production processes, strict working style and perfect quality management system, the highly efficient and standard operation is completely guaranteed from the purchasing of raw materials, product manufacturing till sale. We are always sticking to the operation policy of "quality first, reputation foremost, satisfactory service and continuous improvement" to meet the top end demands of domestic and overseas customers with high quality products and excellent service.

营之全球，臻细服务
Global marketing, excellent service

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YUY-H SANITARY RETURN PUMP (SELF-PRIMING PUMP)

YUY-H 卫生级回程泵(自吸泵)



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YUY-Z SANITARY ROTOR PUMP

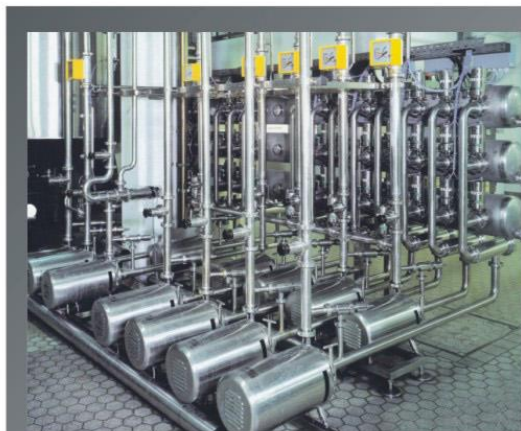
YUY-Z 卫生级转子泵



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YUY-G SANITARY SINGLE-SCREW PUMP

YUY-G 卫生级单螺杆泵



YUY-L

SANITARY CENTRIFUGAL PUMP

YUY-L 卫生级离心泵



技术参数

规格

1T-500T, 0.55KW-75KW

材质

SUS304、SUS316L(在材料的选用上泵体、泵盖、叶轮等凡与物料接触之零件由SUS316L或SUS304不锈钢制造)

标准

DIN、SMS

叶轮

敞开式叶轮, 不留卫生死角

工作条件

卫生离心泵属高低液位及水平输送, 非自吸型。(自吸型选用自吸泵)

表面处理

接液部分抛光, 其余亚光或喷砂处理。

最大进口压力

0.5MPa

温度范围

-10°C至140°C(EPDM)

可冲洗机械密封

水压: 最高0.1MPa;
水量: 0.25-0.5L/min

Technical parameter

Specification

1T-500T, 0.55KW-75KW

Materials

SUS304, SUS316L (In the selection of materials, all parts that contact the materials such as pump body, pump cover and impeller are made of SUS316L or SUS304 stainless steel.)

Standards

DIN, SMS

Impeller

Open impeller, without dead corner of sanitation

Work condition

The sanitary centrifugal pump adopts horizontal conveying with high and low liquid levels. It is not of self-priming type. (Please select the self-priming pump for self-priming type.)

Surface Treatment

The liquid receiving part is subject to polishing treatment and other parts matte or sandblasting treatment

Maximum inlet pressure

0.5MPa

Temperature range

-10°C to +140°C(EPDM)

Washable mechanical seal

Water pressure: Max. 0.1MPa;
Water volume: 0.25-0.5L/min

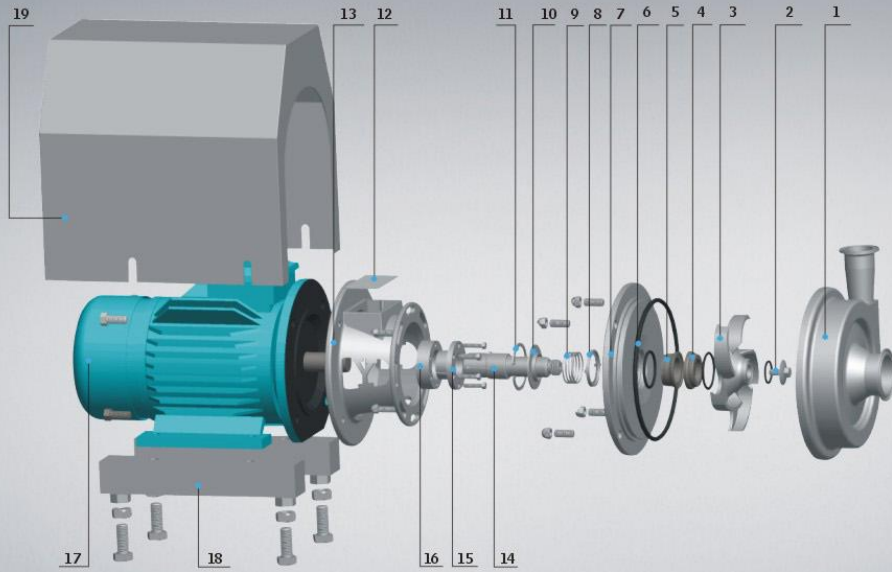
电机

- 1、根据配置主要采用“ABB”品牌的高效等级M2BAX三相交流电机, 按照国际电工委员会IEC60034-1/E60072标准设计制作, 符合欧共体“CE”标记要求。
- 2、可供选用防爆电机, 以满足不同场合的需要。
- 3、优越的电气性能、低噪音、低振动, 电机的标准设计防护等级为IP55, 绝缘等级为F级。
- 4、频率: 50Hz/60Hz
- 5、工作方式: 连续(SI)
- 6、转速: 标准泵的转速为2900r/min

Motor

1. Depending on the configuration, the pump mainly adopts "ABB" brand high-efficiency M2BAX three-phase AC motor. The pump is designed and manufactured according to IEC60034-1/E60072, conforming to CE marking requirements.
2. The explosion-proof motor is available to meet the needs in different applications.
3. With excellent electric performance, low noise and low vibration, the motor is designed to have standard protection grade of IP55 and insulation grade of grade F.
4. Frequency: 50Hz/60Hz
5. Working mode: continuous (SI)
6. Rotation speed: The standard rotation speed of the pump is 2900r/min.

YUY-L 系列卫生级离心泵结构分解图
Structure exploded figure of YUY-L series sanitary centrifugal pump



- | | | | |
|---------|-------|---------------------------------|----------------------|
| 1、泵体 | 11、卡簧 | 1. Pump body | 11. Snap spring |
| 2、轴帽 | 12、铭牌 | 2. Shaft cap | 12. Nameplate |
| 3、叶轮 | 13、支架 | 3. Impeller | 13. Support |
| 4、机封动环 | 14、泵轴 | 4. Mechanical seal dynamic ring | 14. Pump shaft |
| 5、机封静环 | 15、紧圈 | 5. Pump body O ring | 15. Straining ring |
| 6、泵体O型圈 | 16、紧套 | 6. Mechanical seal static ring | 16. Straining sleeve |
| 7、叶轮座 | 17、电机 | 7. Impeller seat | 17. Motor |
| 8、静环座 | 18、泵脚 | 8. Static ring seat | 18. Pump foot |
| 9、弹簧 | 19、罩壳 | 9. Spring | 19. Housing |
| 10、挡圈 | | 10. Retainer ring | |



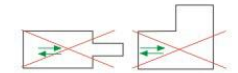
泵进出口的连接方式

Connection ways of pump inlet and outlet

液体在管道中会有能量的损失，分为沿程损失和局部阻力损失，管内越光滑，沿程损失越小，弯道越少，管径变化越小，局部阻力损失越小，因而尽量不要采用粗糙的管道连接，也不要连接中用管道急变的方式连接。

Energy loss of liquids may occur in the pipe. The loss falls into friction loss and local resistance loss. The smoother the pipe is, the lower the friction loss is. The fewer the bend is, the lower the pipe diameter change is, and the lower the local resistance loss is. Therefore, try not to use rough pipes for connection, and avoid using the method of rapid pipe changes during the connection.

错误的连接管道 Wrong pipe type



正确的连接管道 Right pipe type



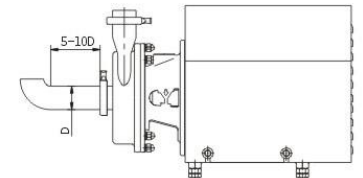
管道直径及连接距离

Pipe diameter and connection distance

泵在小流量运行时，效率很低，消耗的能量使液体温度急剧上升，泵在小流量下运行，通过叶轮间隙回流增加，造成泵压力脉动、振动、噪音等危害增加，因而，连接的管道进口直径最好不要小于设计进口直径。为了保证泵运行的更加稳定，泵进口前需要连接一段直管，长度约为5-10倍管道直径。

When the pump runs under small flow, the efficiency is very low, and the energy consumed makes the liquid temperature rise rapidly. When the pump runs under small flow, the return flow that passes the impeller interval will increase, causing increased damage of pump pressure pulse, vibration, noise, etc. Therefore, it is better that the connected pipe inlet diameter should be more than or equal to the designed inlet diameter. In order to ensure that the pump runs more stably, it is necessary to connect with a long straight pipe at the pump inlet, with its length 5-10 times longer than the pipe diameter.

管道入口连接距离 Pipe connection distance





45° 出口带排放阀 45° outlet with discharge valve



90° 出口带排放阀 90° outlet with discharge valve



90° 出口 90° outlet



90° 出口 90° outlet

YUY-L 系列性能选型表 YUY-L series performance and model selection table

型号 Model	流量(m³/h) Flow	扬程(M) Lift	功率(Kw) Power	进/出口规格 Inlet/outlet specification
YUY-L	2	14	0.55	38/32
YUY-L	3	16	0.75	38/32
YUY-L	3	24	1.5	38/38
YUY-L	3	30	2.2	51/38
YUY-L	4	18	1.1	38/38
YUY-L	5	24	1.5	38/38
YUY-L	5	36	3.0	51/38
YUY-L	10	24	2.2	51/38
YUY-L	10	36	3.0	51/51
YUY-L	10	50	5.5	51/51
YUY-L	10	60	7.5	51/51
YUY-L	15	24	3.0	51/51
YUY-L	20	24	4.0	51/51
YUY-L	20	36	5.5	51/51
YUY-L	20	55	11	63/51
YUY-L	25	35	5.5	63/51
YUY-L	30	24	5.5	63/51
YUY-L	30	36	7.5	63/51
YUY-L	40	24	7.5	76/63
YUY-L	50	24	7.5	76/63
YUY-L	50	40	11	89/76
YUY-L	60	24	11	89/76
YUY-L	60	40	15	89/89
YUY-L	50	50	15	89/89
YUY-L	80	50	18.5	102/89

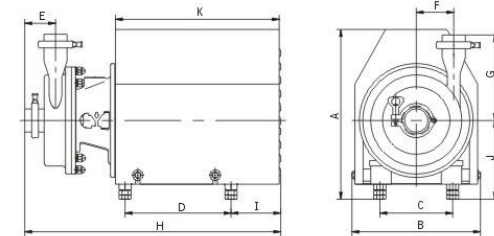


蜗壳360° 出口 Volute 360° outlet

YUY 卫生级离心泵型号说明 Model descriptions of YUY sanitary centrifugal pump

示例 For Example

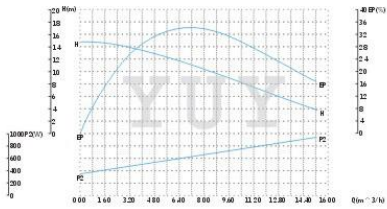
YUY - L - 3 - 16 - 1.5 - A - C



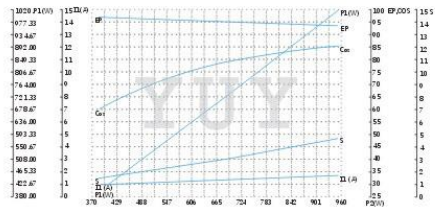
技术参数 Technical parameters

尺寸(mm) Size	功率(Kw) Power										
	0.55	0.75	1.1	1.5	2.2	3	4	5.5	7.5	11	15
A	265	300	300	320	320	375	375	425	425	545.5	545.5
B	185	243	243	243	243	283	283	343	343	373	373
C	112	125	125	140	140	160	190	216	216	256	256
D	160	205	205	210	210	233	233	330	330	430	430
E	52	73	73	76	76	79.5	79.5	75	75	76	76
F	50	61.5	61.5	70	70	83	83	91.5	91.5	120	120
G	132	150	150	162	162	170	170	200	200	234	234
H	420	460	460	505	505	570	570	660	660	810	810
I	85	38	38	81.5	81.5	110	110	105	105	111	111
J	130	153	153	163	163	173	185	215	215	255.5	255.5
K	175	260	260	310	310	360	360	430	430	540	540

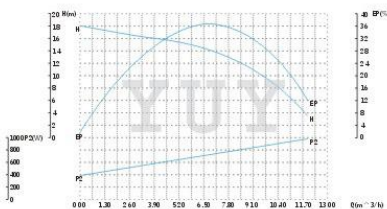
0.55kw -3T-14M 泵性能曲线



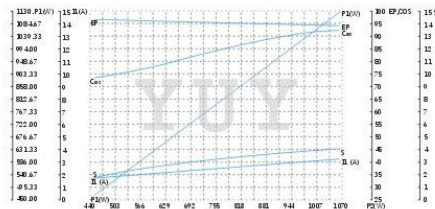
0.55kw -3T-14M 电机负载曲线



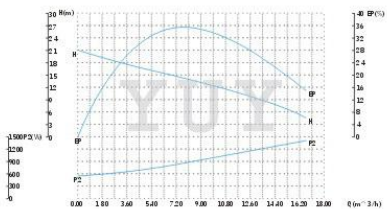
0.75kw-3T-16M 泵性能曲线



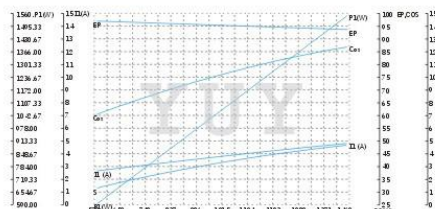
0.75kw-3T-16M 电机负载曲线



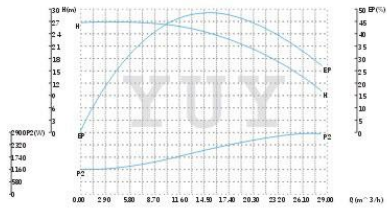
1.1kw-4T-18M 泵性能曲线



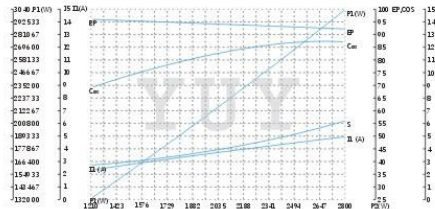
1.1kw-4T-18M 电机负载曲线



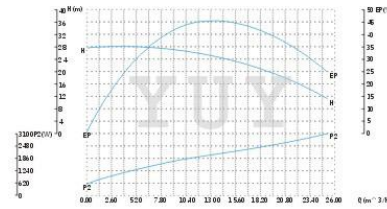
1.5kw-5T-24M 泵性能曲线



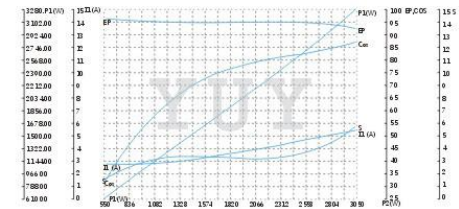
1.5kw-5T-24M 电机负载曲线



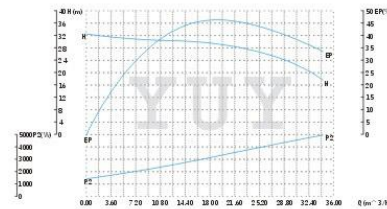
2.2kw-10T-24M 泵性能曲线



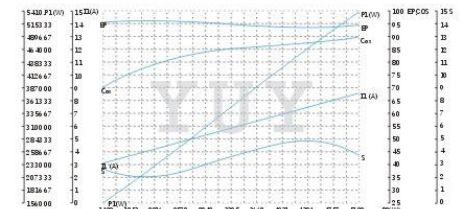
2.2kw-10T-24M 电机负载曲线



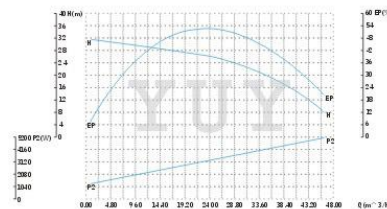
3.0kw-10T-32M 泵性能曲线



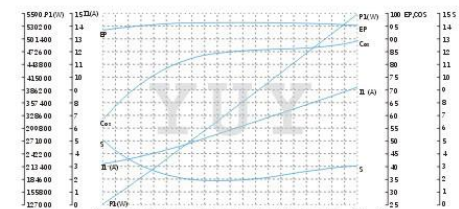
3.0kw-10T-32M 电机负载曲线



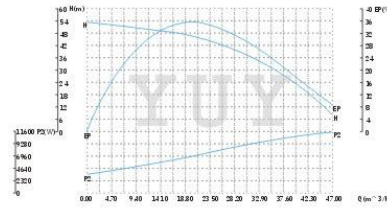
4kw-20T-24M 泵性能曲线



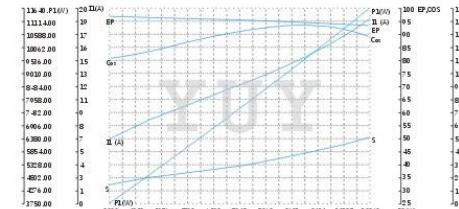
4kw-20T-24M 电机负载曲线



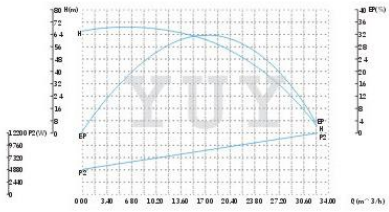
5.5kw-10T-50M 泵性能曲线



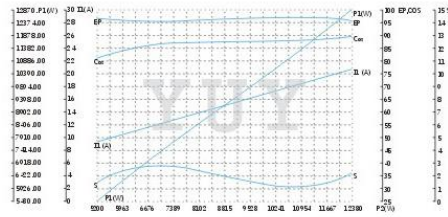
5.5kw-10T-50M 电机负载曲线



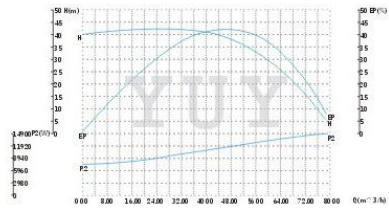
7.5kw-10T-60M 泵性能曲线



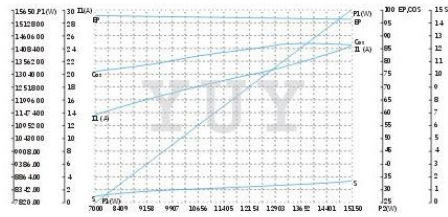
7.5kw-10T-60M 电机负载曲线



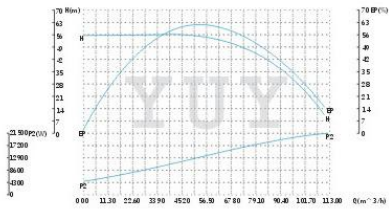
11kw-50T-32M 泵性能曲线



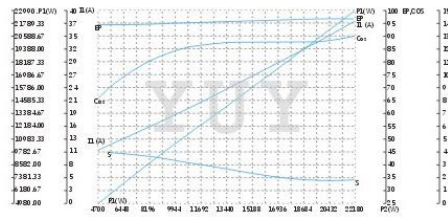
11kw-50T-32M 电机负载曲线



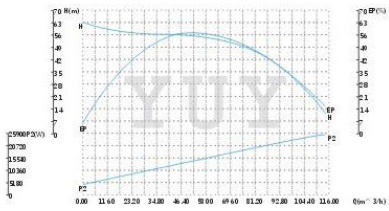
15kw-50T-50M 泵性能曲线



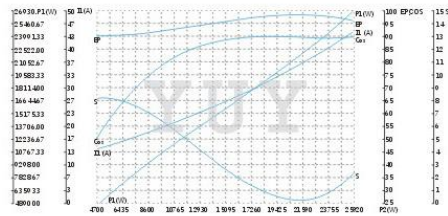
15kw-50T-50M 电机负载曲线



18.5KW-80T-50M 泵性能曲线



18.5KW-80T-50M 电机负载曲线



YUY-F

SANITARY NEGATIVE PRESSURE PUMP

YUY-F 卫生级负压泵



技术参数

Technical parameter

应用

属于涡轮导流离心负压泵，可以在负压0.09MPa压力下，抽取真空罐里的液体。

规格

1T-500T, 0.75KW-75KW

材质

SUS304、SUS316L(在材料的选用上泵体、泵盖、叶轮等凡与物料接触之零件由SUS316L或SUS304不锈钢制造)

标准

DIN、SMS

叶轮

分开式叶轮和半开式叶轮。

工作条件

卫生级负压泵属高低液位及水平输送，有一定吸力。

表面处理

接液部分抛光，其余亚光或喷砂处理。

最大进口压力

0.5MPa

温度范围

-10℃至140℃(EPDM)

可冲洗机械密封

水压：最高0.1MPa；
水量：0.25-0.5L/min

Application

It is a turbine diversion centrifugal negative pressure pump. It can extract liquids in the vacuum tank under negative pressure 0.09MPa.

Specification

1T-500T, 0.75KW-75KW

Material

SUS304, SUS316L (In the selection of materials, all parts that contact the materials such as pump body, pump cover and impeller are made of SUS316L or SUS304 stainless steel.)

Standards

DIN, SMS

Impeller

Split impeller and semi-split impeller

Working condition

The sanitary negative pressure pump adopts horizontal conveying with high and low liquid levels. It has certain suction.

Surface Treatment

The liquid receiving part is subject to polishing treatment and other parts matte or sandblasting treatment.

Maximum inlet pressure

0.5MPa

Temperature range

-10℃ to +140℃ (EPDM)

Washable mechanical seal

Water pressure: Max. 0.1MPa;
Water volume: 0.25-0.5L/min



YUY-F 系列性能选型表

YUY-F series performance and model selection table

型号 Model	流量(m³/h) Flow	扬程(M) Lift	功率(KW) Power	进/出口规格 Inlet/outlet specification
YUY-F	3	16	0.75	51/32
YUY-F	3	24	1.5	51/38
YUY-F	3	30	2.2	51/38
YUY-F	4	18	1.1	51/38
YUY-F	5	24	1.5	51/38
YUY-F	5	36	3.0	51/38
YUY-F	10	24	2.2	51/38
YUY-F	10	36	3.0	51/51
YUY-F	10	50	5.5	51/51
YUY-F	10	60	7.5	51/51
YUY-F	15	24	3.0	51/51
YUY-F	20	24	4.0	51/51

型号 Model	流量(m³/h) Flow	扬程(M) Lift	功率(KW) Power	进/出口规格 Inlet/outlet specification
YUY-F	20	36	5.5	51/51
YUY-F	20	55	11	63/51
YUY-F	25	35	5.5	63/51
YUY-F	30	24	5.5	63/51
YUY-F	30	36	7.5	63/51
YUY-F	40	24	7.5	76/63
YUY-F	50	24	7.5	76/63
YUY-F	50	40	11	89/76
YUY-F	60	24	11	89/76
YUY-F	60	40	15	89/89
YUY-F	50	50	15	89/89
YUY-F	80	50	18.5	102/89

电机

Motor

- 1、根据配置主要采用“ABB”品牌的高效等级M2BAX三相交流电机，按照国际电工委员会IEC60034.1E60072标准设计制作，符合欧共体“CE”标记要求。
- 2、可供选用防爆电机，以满足不同场合的需要。
- 3、优越的电气性能、低噪音、低振动，电机的标准设计防护等级为IP55，绝缘等级为F级。
- 4、频率：50Hz/60Hz
- 5、工作方式：连续(SI)
- 6、转速：标准泵的转速为2900r/min

1. Depending on the configuration, the pump mainly adopts "ABB" brand high-efficiency M2BAX three-phase AC motor. The pump is designed and manufactured according to IEC60034.1E60072, conforming to CE marking requirements.
2. The explosion-proof motor is available to meet the needs in different applications.
3. With excellent electric performance, low noise and low vibration, the motor is designed to have standard protection grade of IP55 and insulation grade of grade F.
4. Frequency: 50Hz/60Hz
5. Working mode: continuous (SI)
6. Rotation speed: The standard rotation speed of the pump is 2900r/min.

YUY卫生级负压泵型号说明

Model descriptions of YUY sanitary negative pressure pump

示例 For Example

YUY - F - 3 - 16 - 1.5 - C - C

连接方式
Connection type

C:卡箍 Clamp
M:活接 Union
F:法兰 Flange

密封形式
Seal type

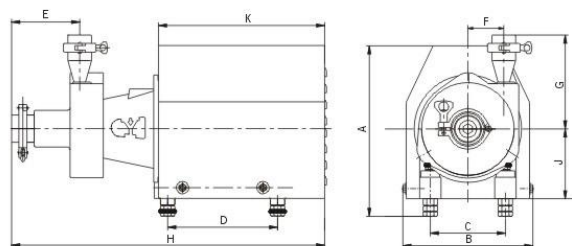
A:外机封 External mechanical seal
B:内机封 Internal mechanical seal
C:双机封 Double mechanical seal

电机功率
Motor power

扬程
Lift

流量
Flow

L:卫生级离心泵 Sanitary centrifugal pump
F:卫生级负压泵 Sanitary negative pressure pump
H:卫生级回程泵 Sanitary return pump
Z:卫生级转子泵 Sanitary rotor pump
G:卫生级螺杆泵 Sanitary screw pump
R:卫生级乳化泵 Sanitary emulsifying pump



技术参数 Technical parameters

尺寸(mm) Size	功率(Kw) Power							
	0.75	1.1	1.5	2.2	3	4	5.5	7.5
A	300	300	332	332	375	375	425	425
B	243	243	243	243	243	243	343	343
C	125	125	140	140	160	190	216	216
D	208	208	208	215	240	240	330	330
E	137	137	137	137	137	137	137	137
F	71	71	71	71	79.5	79.5	79.5	79.5
G	169	169	169	169	187.5	187.5	187.5	187.5
H	520	520	591	591	658	658	733	733
I	38	38	81.5	81.5	110	110	105	105
J	153	153	163	163	185	185	215	215
K	260	260	310	310	360	360	430	430

YUY-H

SANITARY RETURN PUMP (SELF-PRIMING PUMP)

YUY-H 卫生级回程泵(自吸泵)



技术参数

应用

自吸泵主要用来处理一些含气物料的输送。因此被广泛应用于液位高低不稳定,甚至液位低于泵进口的各种场合吸取物料,也作为CIP系统中的回程使用。

规格

5T-80T, 2.2KW-15KW

材质

SUS316L(在材料的选择上泵体、泵盖、叶轮等凡与物料接触之零件由SUS316L不锈钢制造),过液密封材质为EPDM三元乙丙橡胶。

标准

DIN、SMS

叶轮

百叶式叶轮

轴封

机械密封的静环由SUS316L钢内嵌石墨构成,动环则由碳化硅制成。

表面处理

接液部分抛光,其余亚光或喷砂处理。

最大进口压力

0.5MPa

温度范围

-10°C至120°C(EPDM)

Technical parameter

Application

The self-priming pump is mainly used to convey materials that contain gas. Therefore, it is widely applied to suck materials in various applications where the liquid level is unstable, or even the liquid level is lower than the pump inlet, or used as a return pump in the CIP system.

Specification

5T-80T, 2.2KW-15KW

Materials

SUS316L (In the selection of materials, all parts that contact the materials such as a pump body, pump cover and impeller are made of SUS316L stainless steel.) The liquid passing seal is made of EPDM.

Standard

DIN、SMS

Impeller

Shutter impeller

Shaft seal

The static ring of mechanical seal is composed of SUS316L steel with graphite and the dynamic ring is made of silicon carbide.

Surface treatment

The liquid receiving part is subject to polishing treatment and other parts matte or sandblasting treatment.

The biggest inlet pressure

0.5MPa

Temperature range

-10°C-120°C(EPDM)

电机

- 1、根据配置主要采用“ABB”品牌的高效等级M2BAX三相交流电机,按照国际电工委员会IEC60034.1E60072标准设计制作,符合欧共体“CE”标记要求。
- 2、可供选用防爆电机,以满足不同场合的需要。
- 3、优越的电气性能、低噪音、低振动,电机的标准设计防护等级为IP55,绝缘等级为F级。
- 4、频率:50Hz/60Hz
- 5、工作方式:连续(SI)
- 6、转速:标准泵的转速为1450r/min

Motor

1. Depending on the configuration, the pump mainly adopts "ABB" brand high-efficiency M2BAX three-phase AC motor. The pump is designed and manufactured according to IEC60034.1E60072, conforming to CE marking requirements.
2. The explosion-proof motor is available to meet the needs in different applications.
3. With excellent electric performance, low noise and low vibration, the motor is designed to have standard protection grade of IP55 and insulation grade of grade F.
4. Frequency: 50Hz/60Hz
5. Working mode: continuous (SI)
6. Rotation speed: The standard rotation speed of the pump is 1450r/min.



90° 进出口 90° inlet and outlet



180° 平行进出口 180° parallel inlet and outlet



90° 进出口 90° inlet and outlet



90° 万向进出口 90° universal inlet and outlet



90° 万向进出口 90° universal inlet and outlet

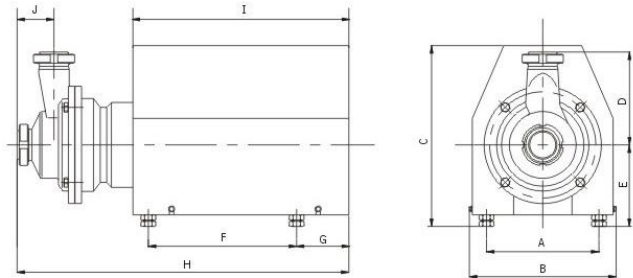
YUY卫生级回程泵型号说明

Model descriptions of YUY sanitary return pump

示例 For Example

YUY - H - 3 - 16 - 1.5 - B - M

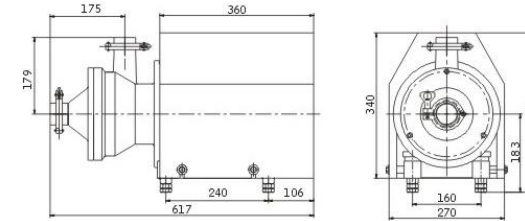
- 连接方式 Connection type: C:卡箍 Clamp, M:活接 Union, F:法兰 Flange
- 密封形式 Seal type: A:外机封 External mechanical seal, B:内机封 Internal mechanical seal, C:双机封 Double mechanical seal
- 电机功率 Motor power: 1.5
- 扬程 Lift: 16
- 流量 Flow: 3
- 泵型: L:卫生级离心泵 Sanitary centrifugal pump, F:卫生级负压泵 Sanitary negative pressure pump, H:卫生级回程泵 Sanitary return pump, Z:卫生级转子泵 Sanitary rotor pump, G:卫生级螺杆泵 Sanitary screw pump, R:卫生级乳化泵 Sanitary emulsifying pump



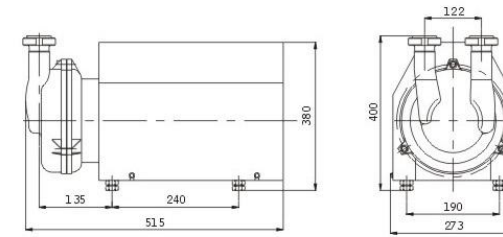
技术参数 Technical parameters

尺寸 Size	A	B	C	D	E	F	G	H	I	J
功率(Kw) Power 2.2	160	283	385	182	185	240	105	620	360	178
4	190	283	385	210	185	240	105	540	360	120
5.5	215	342	423	222	215	330	105	720	430	88
7.5	215	342	423	222	215	330	105	720	430	88
11	254	360	528	251.5	238	430	110	925	540	97
15	254	360	528	251.5	238	430	110	925	540	97

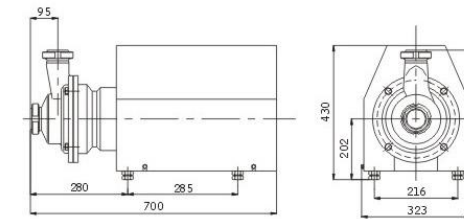
2.2Kw-10T-24m 回程泵(自吸泵) Return pump (self-priming pump)



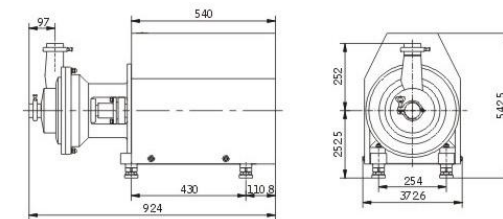
4Kw-20T-24m 回程泵(自吸泵) Return pump (self-priming pump)



5.5/7.5Kw-25T/30T-24m 回程泵(自吸泵) Return pump (self-priming pump)



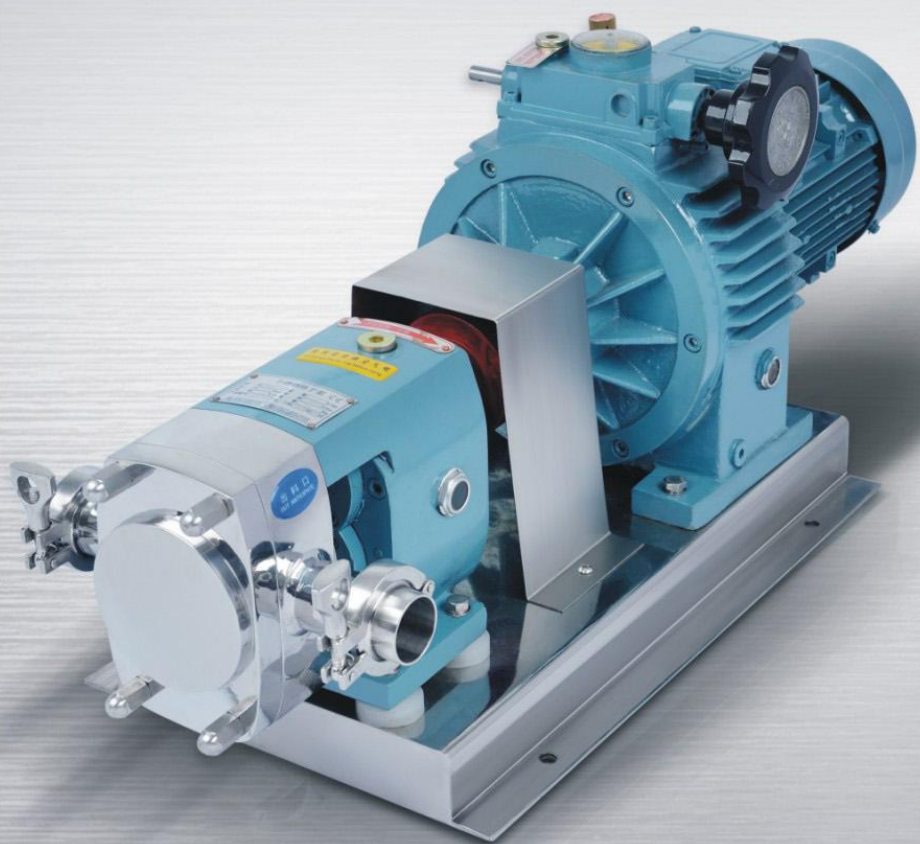
11/15Kw-40T/50T-32m 回程泵(自吸泵) Return pump (self-priming pump)



YUY-Z

SANITARY ROTOR PUMP

YUY-Z 卫生级转子泵



工作原理

转子泵又称胶泵，三叶泵，鞋泵等。依靠两同步反向转动的转子(齿数为2-4)在旋转过程中于进口处产生吸力(真空度)，从而吸入所需要输送的物料。两转子将转子室分隔成几个小空间，并按a→b→c→d的次序运转。运转至a时，只有I室中充满介质；到位置b时，B室中封闭了部分介质；到c位置时，A室中也封闭了介质；到d位置时，A、B室与II室相通，介质即被输送至出口口。如此循环往复，介质(物料)即源源不断地输送出。

Operation principle

Rotor pump is also named rotary lobe pump, three-lobe pump, sole pump, etc. When the 2 simultaneous reverse rotating rotors (with 2-4 gears) revolve, it produces suction force at the inlet (vacuum), which intakes the material delivered. The 2 rotors divide the rotor housing into many smaller parts and revolve in the sequence of a→b→c→d. When it revolves to position a, only housing I is filled with medium; when it revolves to position b, housing B encloses part of the medium, when it goes to position c, housing A encloses medium, and finally it goes to position d, then housing A, B and II are interlinked and the medium is transported to the outlet. As this process is repeated, medium (material) transported continuously.

转子泵的传动：转子泵的传动一般有以下几种形式

- 1、电机+定速比减速机：这种传动的方式简单，转子的转速恒定，也就是决定了流量的不可调性。如配上变频器可以达到调速作用。
- 2、电机+机械摩擦式无级变速器：这种变速器的变速靠手动调节来实现，其特点是安全可靠，流量无级可调。缺点是非自动调节，较麻烦，调速在运转过程中进行，不得在停机状态下调速。
- 3、变频电机+变频器：这种方式可实现转速的自动调节，亦即实现了流量的无级调整。其优点是自动化程度高，操作方便。缺点是变频器的价格较高，低速扭矩较小。

Transmission of rotor pump: the rotor pump generally has the following transmission forms

1. Motor + fix velocity ratio speed reducer: this form is simple that the rotor speed is constant. So the flow is not adjustable. If frequency transformer is allocated, the speed adjustment can be achieved.
2. Motor + mechanical friction type stepless speed variator: the speed variation of this speed variator is realized through manual adjustment. It is characterized by safe and reliable operation, as well as stepless adjustable flow. The flaw is that it is non-automatic adjustment, which is difficult. The speed adjustment can be available only when it works.
3. Frequency conversion motor + frequency converter: automatic adjustment of rotation speed can be realized in this way, and also stepless adjustment of flow can be realized. The advantage is a higher degree of automation and easy to operate. The drawback is the higher price and smaller low-speed torque.

转子泵的应用范围简介

- 1、食品饮料类：乳品、乳胶、巧克力、糖浆、奶酪、麦芽汁、啤酒、汽水、奶油、浓缩果汁、麦芽汁、发酵液；
- 2、水果浓缩物：布丁、果酱、果冻、番茄酱；
- 3、糊类产品：脂肪及油脂等等；
- 4、化妆品：面霜、洗涤剂、发型凝胶、香料油等等；
- 5、药物类：浸膏、乳剂、药丸浆等等；
- 6、化学工业：染料、脂肪、溶剂、树脂及聚合物；
- 7、其它：糖果业、焙烤业、化工等领域。

Application range of rotor pump

1. Food and beverages: dairy products, latex, chocolate, syrup, cheese, wort, beer, soda water, cream, concentrated fruit juice, wort and fermented liquid.
2. Fruit concentrates: pudding, jam, jelly and ketchup.
3. Paste products: fat and grease etc.
4. Cosmetics: face cream, detergent, hair style gel and essence oil etc.
5. Medicine: extract, emulsion and pill liquid etc.
6. Chemical industry: dye, fat, solvent, resin and polymer etc.
7. Others: candy industry, baking industry and chemical industry etc.

泵头结构 Pump Head Structure



保温型
Heat insulation type

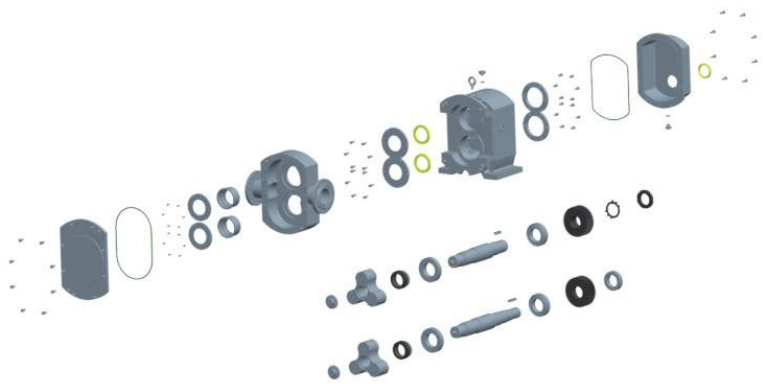


通用型
Universal type

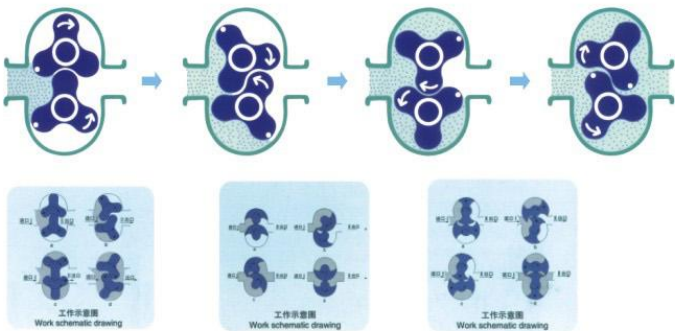


专用型
Special type

转子泵分解图 Rotor Pump Exploded View



转子泵工作模拟图 Rotor Pump Work Simulation Diagram



转子叶数选择参照 Rotor Vane Quantity Selection Reference

单叶转子 Single impeller

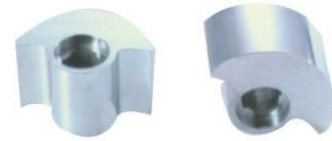
这种转子是专门为解决输送含有大颗粒物而设计制造的。其独特的形状和曲线式使其具有在输送含大颗粒物时比其他泵更具优势，并且能够在输送的过程中有效避免物料中的颗粒的损坏。

Used to transfer medium with a little large grains, its unique shape and curve type make it have a advantage in the transportation of large particle materials and can avoid the large particles damage effectively.

双叶转子 Double impeller

常有输送含有颗粒的物料或渣料的输送中使用这和结构的转子泵，破碎率降低，这种泵在输送物料的过程中一般对流动性很差的或物料中含有颗粒的情况下效果比较好。

Used to transfer materials or fillings with particles and it is with low damagerate. This pump is suitable for transferring materials with poor liquidity or containing Particles.



三叶转子 Tri - impeller

通用的转子类型，容积量大于其它类型转子，各种性能指标优于一叶、两叶转子。

This is commonly type, the capacity and performance is better than the single and double impeller.

多叶转子 Multi - impeller

当转子叶片超过三片后，其容积量因转子叶片的增加而减少，转子叶片越多，容积量越少，多叶转子在输送物料时稳定性相对有所提高，但在输送过程中容易破碎颗粒物料。

When impeller quantity beyond three, the capacity will decrease when impeller increase. Multi - impeller has high stability while using, but easy to damage grain medium.



蝴蝶型转子泵

Butterfly rotor pump

由于采用了蝶形转子，所以其除了具有一般转子泵的特点以外，它在输送高粘度及内含较大颗粒的物料时，具有一定的优势，对特别粘稠的物料能够有效输送。

单蝶曲线型转子泵(颗粒转子泵)：

该系列泵是为解决输送内含大颗粒物料而专门设计制造的，其独特的形状和曲线形式使其能够在输送内含大颗粒物料时具有其他泵中不可比拟的优越性，在输送物料过程中它能够有效地避免颗粒破损，是输送含颗粒物料泵的首选。

As it adopts the butterfly rotor, in addition to having the features of common rotor pumps, it also has certain advantages when conveying materials of high viscosity and those containing large granules, and is suitable for effective conveying of very viscous materials.

Single butterfly curve rotor pump (granule rotor pump):

This pump is specially designed and manufactured for conveying materials that contain large granules. Its unique shape and curve form enable it to have incomparable advantages over other pumps when conveying materials that contain large granules. During the conveying of materials, it is able to effectively prevent the granules from being broken. It is a preferred pump for conveying materials that contain granules.

技术参数 Technical parameters

产品型号 Product model	每百转排量(L) Displacement per hundred revolutions	建议调速范围(rpm) Suggested speed adjusting range	对应流量(L/H) Corresponding flow	电机功率(Kw) Motor power
YUY-Z-3	3	200-500	300-800	0.55
YUY-Z-6	6	200-500	650-1600	0.75
YUY-Z-8	8	200-500	850-2160	1.5
YUY-Z-12	12	200-500	1300-3200	2.2
YUY-Z-20	20	200-500	2100-5400	3
YUY-Z-30	30	200-400	3200-6400	4
YUY-Z-36	36	200-400	3800-7600	4
YUY-Z-52	52	200-400	5600-11000	5.5
YUY-Z-66	66	200-400	7100-14000	7.5
YUY-Z-78	78	200-400	9000-18000	7.5
YUY-Z-100	100	200-400	11000-22000	11
YUY-Z-135	135	200-400	15000-30000	15
YUY-Z-160	160	200-400	17000-34000	18.5
YUY-Z-200	200	200-400	21600-43000	22

注：表中流量范围是指介质为“水”时测定的数据。

Note: The flow range in the table refers to the data measured when the medium is water.

调速采用无级变速机或变频器变速，其调速范围200~900rpm。

输送高粘度浓液时，电机功率须加大。

对流动性较差的介质，建议在入口处用流量相匹配的泵输送。

本表数据如有更改，恕不另行通知，正确参数以提供的实物为准。

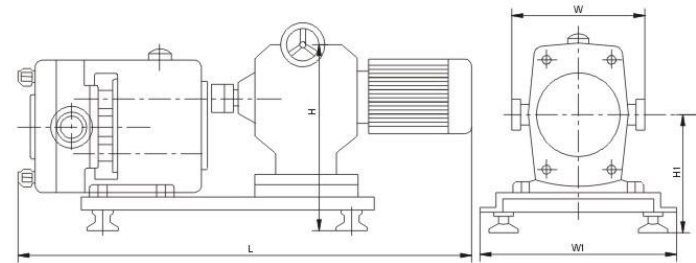
The pump adopts stepless speed variator or frequency converter for speed adjustment within the range of 200~900rpm.

When the pump conveys strong liquids of high viscosity, the motor power should be increased.

For media with relatively poor flowability, it is suggested that the pump with matching flow should be used for conveying at the inlet.

You will not be notified of any modifications to the data in the table. The parameters of the real products shall prevail.

外形尺寸 Outline dimensions



转子泵安装示意图
Installation diagram of rotor pump

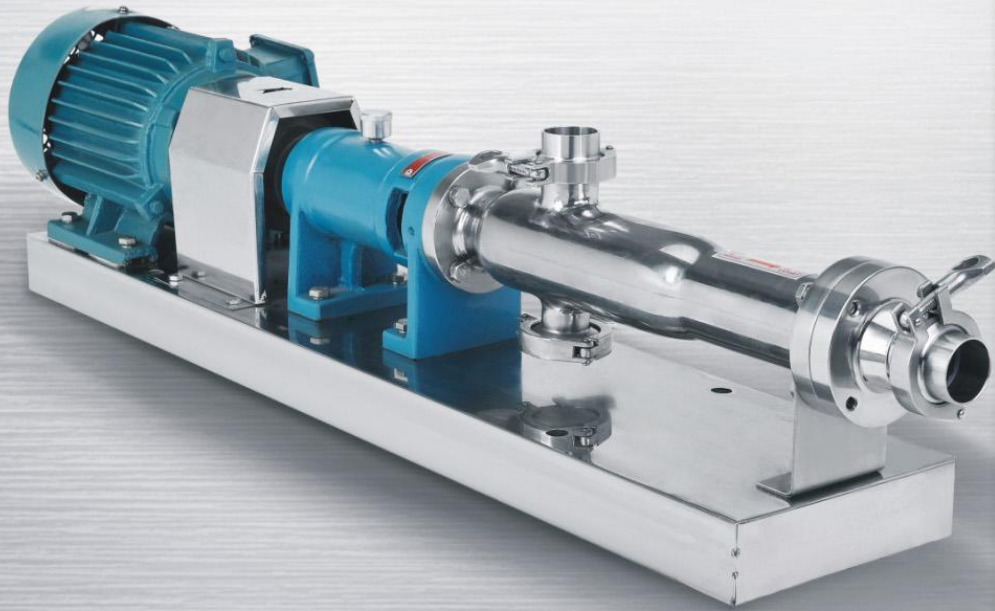
技术参数 Technical parameters

产品型号 Product model	电机功率(Kw) Motor power	接口尺寸 Connection size	L	H	H1	W	W1	接口形式 Connection type
YUY-Z-3	0.55	∅ 25 × 1.5	710	290	150	150	240	卡箍 螺纹 法兰 Clamp Thread Flange
YUY-Z-6	0.75	∅ 25 × 1.5	780	390	170	190	240	
YUY-Z-8	1.5	∅ 32 × 1.5	850	400	170	190	280	
YUY-Z-12	2.2	∅ 38 × 1.5	980	450	185	220	330	
YUY-Z-20	3	∅ 38 × 1.5	1000	450	190	250	330	
YUY-Z-30	4	∅ 42 × 1.5	1050	480	220	270	350	
YUY-Z-36	4	∅ 50.8 × 1.5	1100	490	220	270	350	
YUY-Z-52	5.5	∅ 63.5 × 1.5	1250	580	260	270	480	
YUY-Z-66	7.5	∅ 63.5 × 1.5	1350	600	260	270	480	
YUY-Z-78	7.5	∅ 76 × 2	1260	600	295	370	480	
YUY-Z-100	11	∅ 76 × 2	1320	670	295	370	480	
YUY-Z-135	15	∅ 89 × 2	1500	670	295	370	480	
YUY-Z-160	18.5	∅ 102 × 2	1500	720	320	420	560	
YUY-Z-200	22	∅ 102 × 2	1500	720	320	420	560	

YUY-G

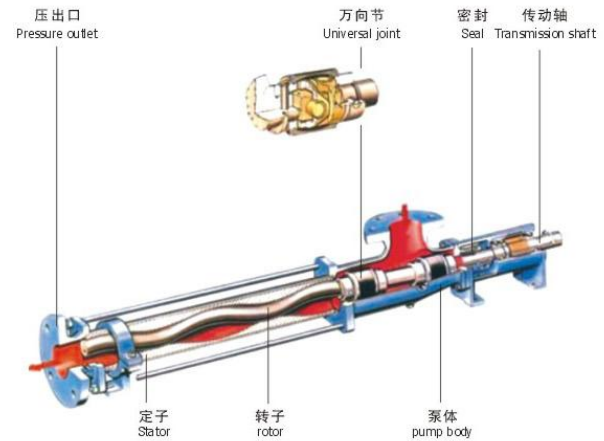
SANITARY SINGLE-SCREW PUMP

YUY-G 卫生级单螺杆泵



YUY-G 卫生级单螺杆泵 YUY-G SANITARY SINGLE-SCREW PUMP

材质：SUS304/SUS316L



用途

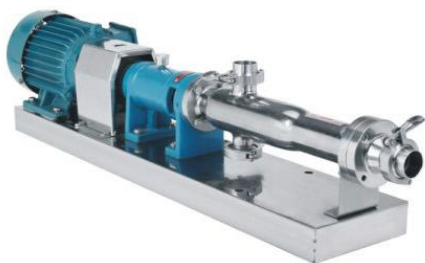
单螺杆泵是按啮合转啮合容积式原理工作的新型泵种，主要工作部件是偏心螺杆(转子)和固定的衬套(定子)。由于该二部件的特殊几何形状，分别形成单独的密封容腔，介质由轴向均匀推行流动，内部流速低，容积保持不变，压力稳定，因而不会产生涡流和搅动。每级泵的输出压力为0.6MPa，扬程60m(清水)，自吸高度一般在6m以上。因定子选用多种弹性材料制成，所以这种泵适合输送高粘度流体，也可以输送含有硬质悬浮颗粒或含有纤维介质的物料，有一般泵类不能胜任的特性。其流量与转速成正比，可通过调节转速对流量进行调整。

Use

The single-screw pump is a new type of pump working according to the rotation engagement volume type principle. The main working parts are eccentric screw (rotor) and fixed sleeve (stator). Due to special geometrical shapes of the two parts, individual sealing cavities are formed. The media are axially and evenly pushed to flow with low internal flow speed. The volume remains unchanged and the pressure is stable. Therefore, no eddy current and stirring will occur. The output pressure of each stage of pump is 0.6MPa, the lift is 60m (clear water) and the self suction height is generally above 6m. As the stator is made of various elastic materials, this kind of pump is suitable for conveying fluids of high viscosity, and can also be used for conveying materials that contain hard suspended granules or fibrous media. It has prominent advantages over other common pumps. Flow is directly proportional to rotation speed, and the former can be adjusted through adjusting the latter.

YUY-G 卫生级单螺杆泵 YUY-G SANITARY SINGLE-SCREW PUMP

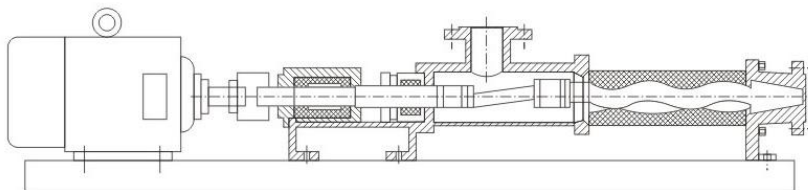
RUIPAI MACHINERY MARKER OF HEALTH EQUIPMENT
Material: 304/316L



螺杆泵
Screw rod pump



一、二级转子
Rotor of first level, second level



技术参数 Technical parameters

项目 Project	型号 Model	G-0.5	G-1.0	G-1.5	G-2.0	G-3.0	G-5.0	G-7.0	G-8.0	G-9.0
流量(T/h) Flow(T/h)		0.5	1.0	1.5	2.0	3.0	5.0	7.0	9.0	13.0
功率(Kw) Power (Kw)		0.37	0.55	0.75	1.10	1.50	2.20	3.00	4.00	5.50
转速(rpm) Rotation speed (rpm)		1400	960	960	960	960	960	960	960	960

YUY-R 卫生级乳化泵 YUY-R Sanitary emulsifying pump

产品简介

YUY-R 系列管线式高剪切均质泵是用于连续生产或循环处理精细物料的高性能设备，在狭窄的腔体内，装有1-3组对偶啮合的两层定转子。物料在瞬间通过工作腔得到剪切概率均等处理，可使粒径范围收窄，匀度提高，在线处理消除批次间质量差异，品质恒定。定转子模块组合，适合不同工况的需求，设计成在线计量混合，集约化生产，具有短距离、低扬程输送功能。

管线式单级乳化泵就是高效、快速、均匀地将一个或多个相(液体、固体、气体)进入到另一互不相溶的连续相(通常液体)的过程的设备。而在通常情况下各个相是互不相溶的。当外部能量输入时，两种物料重组成为均一相。管线式单级乳化泵由于转子高速旋转所产生的高切线速度和高频机械效应带来的强劲动能，使物料在定、转子狭窄的间隙中受到强烈的机械及液力剪切、离心挤压、液层摩擦、撞击撕裂和湍流等综合作用，形成悬浮液(固/液)、乳液(液体/液体)和泡沫(气体/液体)。卧式管线式单级乳化泵从而使不相溶的固相、液相、气相在相应工艺和适量添加剂的共同作用下，瞬间均匀精细的分散乳化，经过高频乳化泵的循环往复，最终得到稳定的高品质产品。

Product introduce

YUY-R series In - Line high shear homogeneous pump is used in online sustained or cyclic processing elaborate materials in the narrow chamber, it is with 1 - 3 groups of coupling double rotors and stators. The materials are sheared by the equal probability when through the work chamber and the granule size reduced. Upgrade the effect. On - line eliminating the quantity difference between different batches make sure the constant quality. Stator and rotor module combination make it suitable for different operating condition requirement. Online measurement of mixing design makes the intensive production come true. It has short distance low - lift transport function.

Pipeline type single - stage emulsion pump is efficient, rapid, uniform to a phase or multiple phases (liquid, solid, gas) into another immiscible continuous phase (usually liquid) process equipment, but in typically each phase is immiscible. When the external energy input, a two material reorganization to become homogeneous. Pipeline type single - stage emulsion pump with high speed rotation of the rotor generated by high tangential velocity and high frequency mechanical effect brought about by strong momentum, so that materials in the stator rotor, narrow gap by the strong mechanical and hydraulic shear, centrifugal extrusion, liquid layer friction, collisions and turbulence integrated action, forming a suspension (solid / emulsion (liquid), liquid / liquid) and foam (gas / liquid). Horizontal pipeline type single - stage emulsion pump so that the insoluble solid phase, liquid phase, gas phase in the corresponding ripe technology and proper amount of additive joint action falls, instant fine dispersed emulsion, emulsion pump through frequency move in circles, finally get a stable high-quality products.



注：管线式高剪切均质乳化泵前须安装输送泵
Inline High-shear homogenizing pump pumps should be installed in front of



SANITARY VALVES AND PIPE FITTINGS

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