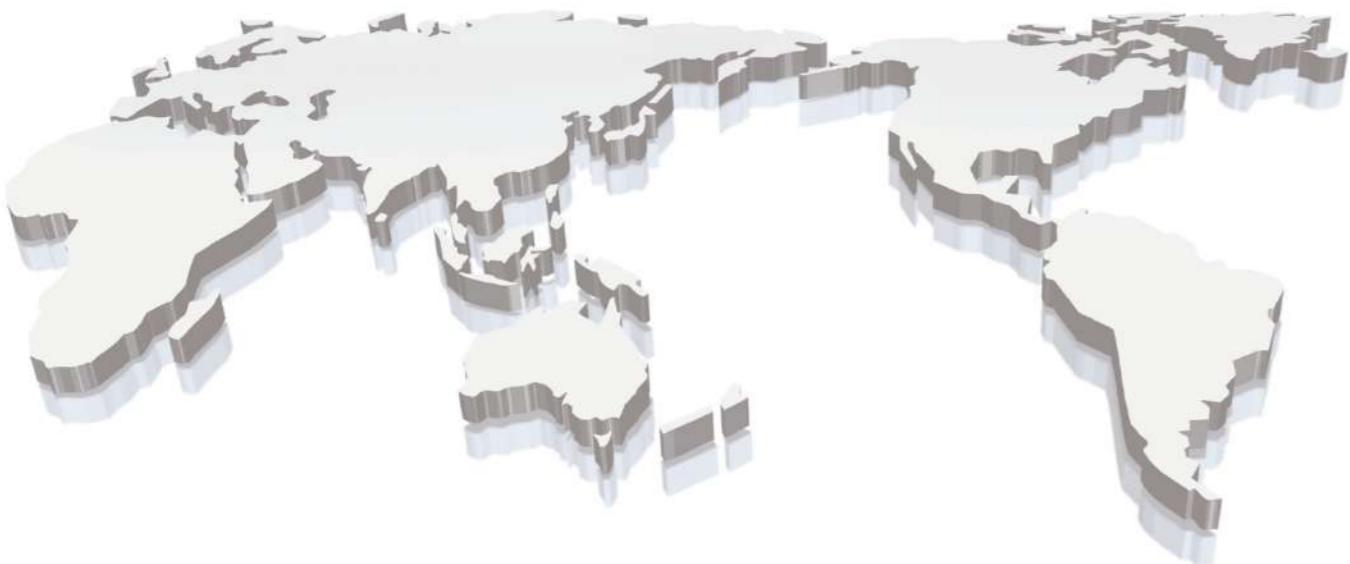


· 诚信共赢 创新发展 ·
· 追求卓越 ·



齿轮计量泵 凸轮转子泵

Gear metering pump
Cam rotor pump

济南润伟自动化有限公司
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济南润伟自动化有限公司
JINAN RUNWEI AUTOMATION CO.,LTD.



>> 公司简介 | COMPANY PROFILE |

济南润伟自动化有限公司坐落于历史文化名城——中国山东省济南市。成立于2014年，是一家专注于传动控制产业，提供高品质自动化零部件和装置的民营企业。生产销售齿轮计量泵、隔膜计量泵、凸轮转子泵、精密联轴器、电机传动座、轴承、滚珠丝杠支撑座以及定制机械加工服务，加工销售台湾TBI®滚珠丝杠，直线导轨等全系列产品。

公司拥有加工中心，数控车床等先进的生产、检测设备和高素质技术人才，成熟的工艺、质量控制技术和设计研发群体，并通过ISO9001产品质量体系确保产品之优秀和稳定。

我们扎根于热爱的传动产业领域，关注良性的可持续发展的经营理念，打造一支专业的销售团队和技术队伍，服务客户。为客户提供可行的流媒体控制和机械传动解决方案。

我们的企业宗旨“求新立异，品质至上，严谨求实，团结锐进。”

Jinan runwei automation co. LTD is located in the historical and cultural city of Jinan, Shandong Province, China. Founded in 2014, it is a privately owned company that specializes in the transmission control industry and provides high quality automated components and devices. We Production and sales of gear metering pump, Diaphragm metering pump, Cam rotor pump, precision coupling, motor drive seat, bearing, ball screw support and customized mechanical processing services, processing and sales of Taiwan TBI ® ball screw, linear guide and other full series of products.

The company has advanced production and testing equipment and high-quality technical personnel such as processing centers, CNC lathes, mature technology, quality control technology and design and research and development groups, and has passed the ISO9001 product quality system to ensure the excellent and stable products.

We are firmly rooted in the field of transmission industry that we love, and focus on the business philosophy of benign sustainable development, creating a professional sales team and technical team to serve our customers. Provide customers with feasible streaming media control and mechanical transmission solutions.

Our corporate tenet is "novelty, quality supreme, rigorous and realistic, and unity up."

公司文化 << COMPANY CULTURE

企业宗旨：求新立异 品质至上 严谨求实 团结锐进

经营理念：追求卓越无止境 与时俱进创未来

团队理念：团结奋进 突破自我 众志成城

创新理念：科技创新 持续发展

人才理念：人适其位 人尽其才

营销理念：为用户创造价值 为企业赢得朋友

产品应用领域 << PRODUCT APPLICATION FIELD



CAM ROTOR PUMP

凸轮转子泵

转子泵属于容积泵的一种，通过转子与泵体间的相对运动来改变工作容积，从而使流体的能量增加。转子泵又称为罗茨泵、胶体泵、高浓浆泵。

外装式传动 静环式密封

●凸轮转子泵

CAM ROTOR PUMP

标准配置

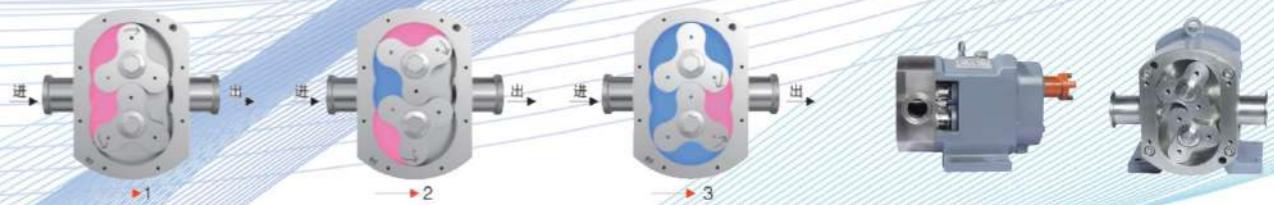
STANDARD CONFIGURATION



产品介绍

PRODUCT INTRODUCTION

- 转子泵属于容积泵的一种，通过转子与泵体间的相对运动来改变工作容积，从而使流体的能量增加。转子泵又称为罗茨泵、胶体泵、高浓浆泵。它依靠两个同步运动的转子，由一对外置式同步齿轮箱进行传动，转子在传动轴的带动下进行同步反方向旋转，从而构成了较高的真密度和排放压力。两转子将转子室分隔成几个小空间，并按照 I → II → III → IV 的次序运转。
- 运转到 I 位置时，只有进口处充满介质；运转到 II 位置时，II 室中封闭了部分介质；到位置 III 时，III 室中也封闭了部分介质；到位置 IV 时，进口处和出口室相通，介质即被输送至物料管道。按照这样的循环往复运转，介质被不断的输送出去。
- Rotor pump is a kind of positive displacement pump. The relative volume between the rotor and the pump body changes the working volume, which increases the energy of the fluid. Rotor pumps are also called roots pumps, colloidal pumps, and high-concentration paddle pumps. It relies on two synchronously moving rotors, which are driven by an external synchronous gearbox. The rotors rotate synchronously in opposite directions driven by the drive shaft, thereby forming a high degree of vacuum and discharge pressure. The two rotors divide the rotor chamber into several small spaces, and operate in the order of I → II → III → IV.
- When running to position I , only the inlet is filled with liquid; when running to position II , some of the liquid is closed in room II; at position III some of the liquid is also closed in room III; at position IV , the inlet and outlet rooms When connected, the fluid is transported to the material pipeline. According to such a cycl, the fluid is continuously transported out.



特点
FEATURE

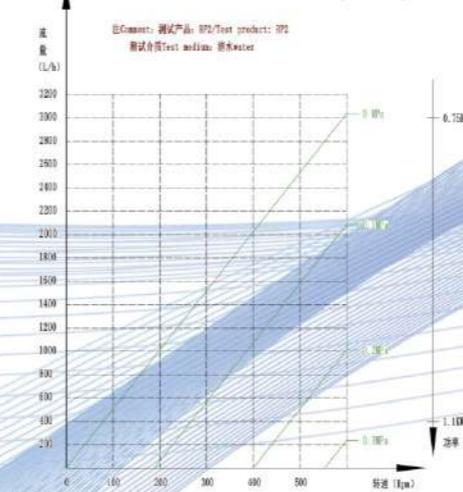
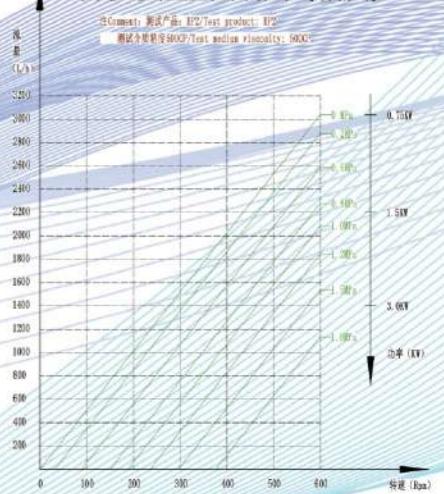
- 本产品凡是与输送物料接触的零配件，均采用符合卫生标准的不锈钢材料制作，密封件均采用无毒橡胶。可靠的防锈性和无毒密封性确保了安全卫生。
- 转子的流线结构以及转子室中无死点和非金属件，避免了对被输送物质造成污染。
- 适合本地CIP清洗与蒸汽消毒，完全符合美国FDA规范要求及医药级(GMP)规范要求。
- 特别适用于在输送过程中容易起泡沫以及输送高粘度、高浓度及任何含颗粒的介质，经其输送的物料保持原有品质不变，不起任何理化反应。
- 采用外装式传动、静环式密封，可直接水洗，耐高压，不易磨损，无泄漏。
- 体积小，流量大，扬程压力高，适用于长距离与高阻力定量输送。
- 泵的叶轮与传动齿轮分开，且在泵腔内各零配件之间保证一定的间隙，相互不接触，无磨损，低噪音，可靠性好，使用寿命长，节能降耗。
- 配置变频器后，可以随意调节流量，并可做一般计量泵使用。
- 可输送气、液、固等三相混合物料。可以输送的介质的粘度可高1000000CP和含固量达55%的浆料。
- 结构紧凑，维护方便，几乎无易损件运行成本低。

- All parts of this product that come into contact with the conveyed materials are made of stainless steel materials that meet hygienic standards, and the seals are made of non-toxic rubber. Reliable rust resistance and non-toxic sealing ensure safety and health.
- The streamlined structure of the rotor and the absence of dead spots and non-metallic parts in the rotor chamber avoid pollution to the material being transported.
- It is suitable for local CIP cleaning and steam sterilization, and fully meets the requirements of the USA FDA and medical grade (GMP) regulations.
- It is especially suitable for foaming easily during transportation and for conveying high viscosity, high concentration and any fluids containing particles. The materials transported through it maintain the original quality and do not bear any physical and chemical reactions.
- Externally mounted transmission, static ring seal, can be washed directly, high pressure resistance, not easy to wear, no leakage.
- Small volume, large flow, high head pressure, suitable for long distance and high resistance quantitative conveying.
- The pump impeller is separated from the transmission gear, and a certain gap is guaranteed between the parts in the pump cavity, without contact with each other, no wear, low noise, good reliability, long service life, energy saving and consumption reduction.
- After the inverter is configured, the flow can be adjusted at will and can be used as a general metering pump.
- It can transport three-phase mixtures such as steam, liquid and solid. The viscosity of the fluid that can be transported can be 1000000CP higher and the slurry with a solid content of 55%.
- Compact structure, easy maintenance, low cost with almost no wearing parts.


应用领域
APPLICATION AREA

- **食品工业:** 牛奶、酸奶、奶油、冰激凌、巧克力、果冻、果酱、糖浆、啤酒、汽水、果汁、布丁、番茄酱、芝麻酱、花生酱、调味品、食用油、乳酪块、乳清、麦芽汁、酵母等。
- **日化工业:** 洗面奶、洗发精、洗洁精、洗手液、沐浴露、洗衣粉、化妆品、护肤品、染发剂、牙膏、肥皂、鞋油、甘油、脂肪酸、发型凝胶等。
- **化工工业:** 汽油、柴油、原油、煤油、油泥、沥青、油漆、颜料、染料、涂料、各种催化剂、皮革、脂肪、溶剂、树脂、硅油、粘胶剂、各种乳胶、各种胶体料、各种高粘度物料以及含固较高的浆料等。
- **制药工业:** 各种保健品、药剂、疫苗、生物制品、糖浆、药浆、蛋白质、蜂王浆、浸膏、乳剂、药丸浆等
- **环保工业:** 泥浆、粪肥、肥料溶液、污水、污泥、各种有毒药剂等
- **建筑工业:** 各种油漆、涂料、树脂、有机溶剂、内外墙涂料、防水涂料、陶瓷涂料、油漆涂料、陶瓷釉料等
- **其他行业:** 纳米材料、造纸、纺织、塑料、生化、煤炭等

- **Food industry:** milk, yogurt, cream, ice cream, chocolate, jelly, jam, syrup, beer, soda, fruit juice, pudding, tomato sauce, sesame sauce, peanut butter, seasoning, Cooking oil, cheese block, whey, wort, yeast, etc.
- **Daily chemical industry:** facial cleanser, shampoo, detergent, hand soap, shower gel, laundry detergent, cosmetics, skin cream, hair dye, toothpaste, soap, shoe polish, glycerin, fatty acids, Hair gel and more.
- **Chemical industry:** gasoline, diesel, crude oil, kerosene, sludge, asphalt, paints, pigments, dyes, coatings, various catalysts, leather, fats, solvents, resins, silicone oils, adhesives, All kinds of latex, all kinds of colloid materials, all kinds of high-viscosity materials and high solids-containing slurry.
- **Pharmaceutical industry:** various health products, pharmaceuticals, vaccines, biological products, syrups, syrups, proteins, royal jelly, extracts, emulsions, pills, etc.
- **Environmental protection industry:** mud, manure, fertilizer solution, sewage, sludge, various toxic agents, etc.
- **Construction industry:** various paints, coatings, resins, organic solvents, interior and exterior wall coatings, waterproof coatings, ceramic coatings, paint coatings, ceramic glazes, etc.
- **Other industries:** nanomaterials, papermaking, textiles, plastics, biochemicals, coal, etc.


转子泵性能曲线图 (清水)

转子泵性能曲线图 (粘度)


不同转子类型应用和特点 DIFFERENT TYPES OF ROTOR APPLICATIONS AND FEATURES

● 三叶型转子

特别适用于在输送过程中容易起泡沫以及输送高粘度、浓度及含颗粒的介质，经其输送的物料保持原有品质不变，不起任何物理化学反应，输送流量也可以准确的控制并可以做计量泵使用。

● 蝴蝶型转子

它不仅具有一般转子泵的特点，并且在输送高粘度及含有较大颗粒的物料时，也具有一定的优势，对特别粘稠的物料也能够有效输送，并且经输送的物料保持原有品质不变。

● 单叶型转子

专门针对输送含有大颗粒物料设计的转子，独特的结构使其能够在输送含有大颗粒物料时具有其他类型输送泵不可比的优越性，且不改变物料原有品质和物性。

● Three-blade rotor

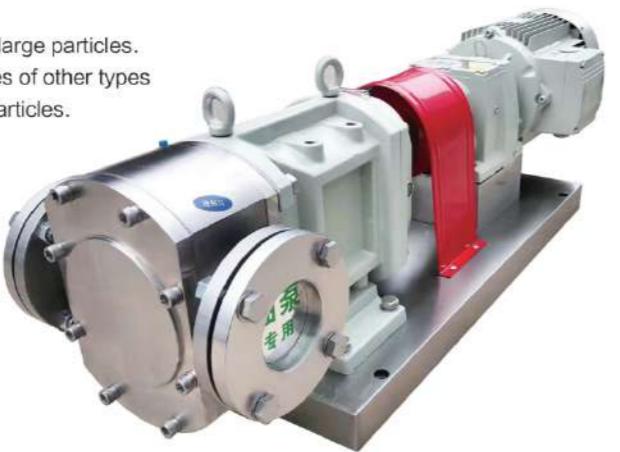
It is especially suitable for foaming during transportation and high viscosity, concentration and particle-containing fluids. The materials transported through it maintain the original quality, and do not bear any physical and chemical reactions. The transportation flow can be accurately controlled and can be done a metering pump.

● Butterfly rotor

It not only has the characteristics of general rotor pumps, but also has certain advantages when conveying materials with high viscosity and containing large particles. It can also effectively transport particularly viscous materials, and the original quality of the conveyed materials does not change. change.

● Single blade rotor

The rotor is specially designed for conveying materials containing large particles. The unique structure allows it to have the incomparable advantages of other types of conveying pumps when conveying materials containing large particles. The original quality and physical properties of the materials.



驱动配置 DRIVE CONFIGURATION

● 电机 + 普通无极变速

特点：调速精度高，变速范围大，(速比可在200至1000之间任意调整)，可连续平稳运转，噪音低、扭矩大。但是它的变速须手动调节，自动化程度不高，调速须在运转中进行，不可在停车时转动调速手轮，不宜在超负荷或易堵塞的工况使用。

● 电机 + 一级无极变速

特点：转速低(40~400转/分)，相同功率下其输出扭矩大，传动比普通无级变速平稳，性能更稳定，噪音低，但是与普通无级变速结构的缺点相同。

● Motor + stepless speed change

Features: high speed regulation accuracy, wide speed range, (speed ratio can be adjusted arbitrarily between 200 and 1000), continuous and stable operation, low noise and high torque. However, its speed change must be adjusted manually, and the degree of automation is not high. The speed adjustment must be performed during operation. Do not turn the speed control handwheel when stopping. It is not suitable for use in overloaded or easily blocked conditions.

● Motor + one stepless speed change

Features: low speed (40 ~ 400 rpm), large output torque, transmission is more stable than ordinary stepless speed change, more stable performance, low noise, but the same disadvantages as ordinary stepless speed change.



驱动配置 DRIVE CONFIGURATION

● 电机 + 一级齿轮减速机

特点：承载能力强，传动简单，特别针对高粘度，高浓度物料输送，可另选变频电机和变频器实现自动调节流量。

● 电机 + 二级齿轮减速机

特点：功能与一级齿轮减速机转子泵相同，但输送载荷更强大，输送更平稳。

● PLC+变频控制

特点：通过PLC数字化控制(变频器控制)，实现物料的定量、定时和定压的输送，由PLC达到完全数字自动化的效果，可作高精度计量泵使用。

● 上进下出型

针对流动性较差的物料输送，进口处可根据客户的需要做成不同的连接方式，如卡箍、法兰、喇叭口矩形，驱动也可采用无级变速和定比齿轮减速型式。

● V形进料

针对流动性极差、粘度极高的工况增大进料口径，做成上宽下窄的V字形，防止物料在进口处堵塞。

● 小车移动型

用于非定点输送物料的场合，可根据不同工况和物料做成各种不同的配置。

● 保温冷却型

针对需要保温或者恒温的物料，保温方式有：水保温、蒸汽保温、电保温。

● Motor + single-stage gear reducer

Features: strong carrying capacity, simple transmission, especially for high-viscosity, high-concentration material transportation, optional variable frequency motor and frequency converter can be used to achieve automatic flow adjustment.

● Motor + two-stage gear reducer

Features: The function is the same as that of the single-stage gear reducer rotor pump, but the conveying load is more powerful and the conveying is more stable.

● PLC + frequency converter control

Features: Through PLC digital control (inverter control), it realizes the quantitative, timing and constant pressure delivery of materials. The PLC achieves the effect of complete digital automation and can be used as a high-precision metering pump.

● Upper import and lower export

For the transportation of materials with poor fluidity, the inlet can be made into different connection methods according to customer needs, such as clamps, flanges, rectangular bell mouths, and the drive can also use stepless speed change and constant gear reduction.

● V-shaped inlet

For the conditions of extremely poor fluidity and high viscosity, the feed diameter is increased, and the upper and lower V shapes are made to prevent the material from blocking at the inlet.

● Trolley Movable type

For occasions where materials are not transported at a fixed point, various configurations can be made according to different working conditions and materials.

● Heat and cold insulation type

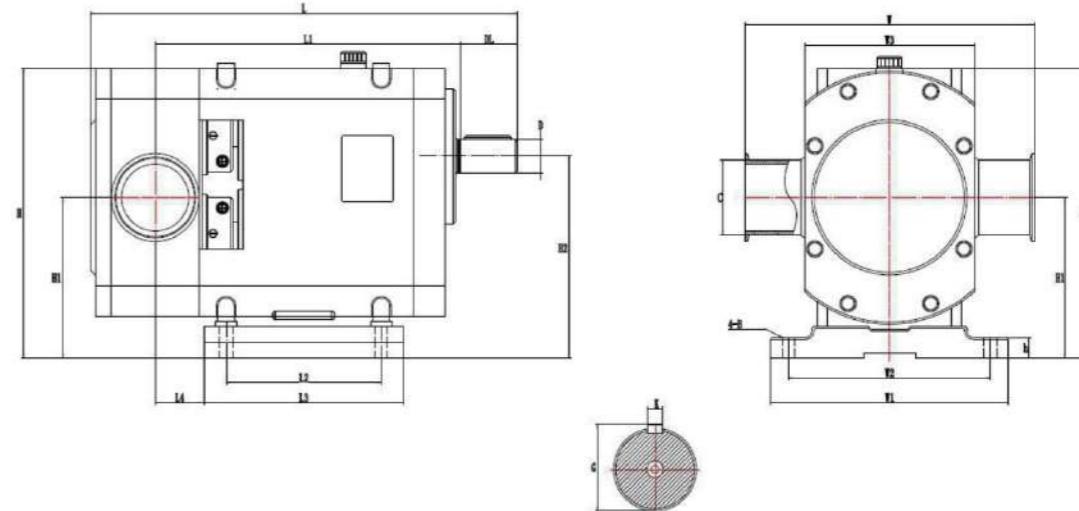
For materials that require heat preservation or constant temperature, the heat preservation methods are: water heat preservation, steam heat preservation, and electric heat preservation.

技术参数说明 DIFFERENT TYPES OF ROTOR APPLICATIONS AND FEATURES

型号	排量	转速	流量	功率	压力	吸入压力	粘度	进出口径
Type	Displacement	Rotating speed	Flow	Power	Pressure	Suction pressure	Viscosity	Inlet&outlet
	L/r	r/min	m³/h	KW	Mpa	Mpa	cp	DN (mm)
RTL05	0.04	10_550	0.02_0.5	0.12_1.1	0.1_1.2	0.08	1_2000000	10
RTL1	0.075	10_550	0.5_1	0.25_1.5	0.1_1.2	0.08	1_2000000	15
RTL2	0.15	10_550	1_2	0.25_2.2	0.1_1.2	0.08	1_2000000	25
RTL5	0.32	10_450	2_5	0.37_3	0.1_1.2	0.08	1_2000000	40
RTL10	0.65	10_450	5_10	1.5_7.5	0.1_1.2	0.08	1_2000000	50
RTL15	1.1	10_450	10_15	2.2_11	0.1_1.2	0.08	1_2000000	65
RTL20	1.74	10_450	15_20	2.2_15	0.1_1.2	0.08	1_2000000	65
RTL30	2.6	10_450	20_30	3_22	0.1_1.2	0.08	1_2000000	80
RTL40	3.65	10_450	30_40	4_30	0.1_1.2	0.08	1_2000000	100
RTL60	5.2	10_450	40_60	5.5_45	0.1_1.2	0.08	1_2000000	100
RTL80	6.8	10_350	60_80	7.5_55	0.1_1.2	0.08	1_2000000	125
RTL120	9.8	10_350	80_120	11_90	0.1_1.2	0.08	1_2000000	125
RTL150	12.8	10_350	12_150	15_160	0.1_1.2	0.08	1_2000000	150
RTL200	20	10_300	150_200	18.5_185	0.1_1.2	0.08	1_2000000	200
RTL300	30	10_300	200_300	22_220	0.1_1.2	0.08	1_2000000	250
RTL400	40	10_300	300_400	30_250	0.1_1.2	0.08	1_2000000	300

- 本技术参数表内转子泵的各项参数为常压下标定工况，环境温度25℃，物料为粘度500CP的矿物油。
- 物料粘度不同，物料所含颗粒直径不同，输入和输出的压力不同以及其他工况参数不同的时候将根据实际工况选择相应型号。
- 请根据选型指南表格详细填写工况参数并联系我们，由我们的售前工程师配合您选择符合工况的转子泵型号和配置。
- The parameters of the rotor pump in this technical parameter table are the calibration conditions at normal pressure, the ambient temperature is 25℃, and the material is a mineral oil with a viscosity of 500CP.
- When the viscosity of the material is different, the particle diameter of the material is different, the input and output pressures are different, and other working conditions parameters are different, the corresponding model will be selected according to the actual working conditions.
- Please fill in the working condition parameters in detail according to the selection guide form and contact us, and our pre-sales engineers will cooperate with you to select the rotor pump model and configuration that meets the working conditions.

安装尺寸 INSTALLATION DIMENSION



型号 Type	L	L1	L2	L3	L4	DL	H	H1	H2	h	W	W1	W2	W3	B	G	K	D	C	
																			法兰 Flange	卡箍 clamp
RTL05	233	167	78	108	37	30	165	92.5	115	13	180	140	115	94	Ø9	18	5	Ø16	DN ₁₅	1-
RTL1	233	167	78	108	37	30	165	92.5	115	13	180	140	115	94	Ø9	18	5	Ø16	DN20	1"
RTL2	267	193	92	124	45.5	31	188	105	131	14	198	156	132	110	Ø9	20.5	6	Ø19	DN25	1.25"
RTL5	313	221	110	143	49.5	43	217.5	121	150	17	217	170	144	125	Ø10	27	8	Ø24	DN32	1.5"
RTL10	363.5	262	130	170	61.5	46	241	134	168.5	19	240	202	170	142	Ø12	31	8	Ø28	DN40	2"
RTL15	413	295	150	192	65	55	280	155	195	21	280	230	195	164	Ø12	35	10	Ø32	DN50	2.5"
RTL20	477	340	155	215	86.5	62	328	181	228.5	24	320	270	225	192	Ø14	45	12	Ø42	DN50/DN65	2.5"
RTL30	544	390	190	250	98	70	382	209	266	26	372	315	268	232	Ø16	53.5	14	Ø50	DN65/DN85	3"
RTL40	614	436	218	278	104	80	439	239	306.5	26	432	348	298	266	Ø18	64.5	18	Ø60	DN100	4"
RTL60	720	513.5	235	295	154	95	527	287	369.5	32	522	430	370	318	Ø22	74.5	20	Ø70	DN125	
RTL80	803	579	260	340	162.5	105	619	339.5	435	37	570	480	410	366	Ø22	85	22	Ø90	DN125/DN150	
RTL120	930	660	315	410	178	130	740	398	508	42	640	550	470	425	Ø26	95.5	25	Ø100	DN150	

● 齿轮计量泵概述 OVERVIEW OF GEAR METERING PUMP

标准配置 STANDARD CONFIGURATION



产品介绍 PRODUCT INTRODUCTION

● 齿轮计量泵适用于中低压力，中小流量，输送粘度和温度比较高且有一定计量要求的流体物质(不能含有颗粒)。其原理是电机的动力经齿轮将液体输送到不同的泵腔中，过流部分选用高强质耐腐合金和金属石墨。密封方式为双端面机械密封，具有更高可靠性，适合长时间连续运转。主要用于有粘度的、腐蚀性液体或对卫生等级要求比较高的液体进行计量输送。

● The gear metering pump is suitable for medium and low pressure, medium and small flow, conveying fluid materials with high viscosity and temperature and certain metering requirements (cannot contain particles).
The principle is that the power of the motor transports the liquid to different pump chambers through the gears, and the overcurrent part is made of high-strength corrosion-resistant alloy and metal graphite.
The sealing way is double end face mechanical seal, with higher reliability, suitable continuous operation for a long time. It is mainly used for the metering and transportation of viscous, corrosive liquids or liquids with higher hygienic requirements.

材质 MATERIAL

● 过流部件采用奥氏体不锈钢304、304L、316、316L及合金不锈钢，经过严格的固溶处理。使材料组织均匀及应力消除。
● The flow overcurrent part adopt austenitic stainless steel 304, 304L, 316, 316L and alloy stainless steel, which are treated with strict solid solution. Make the material structure uniform and stress relief.

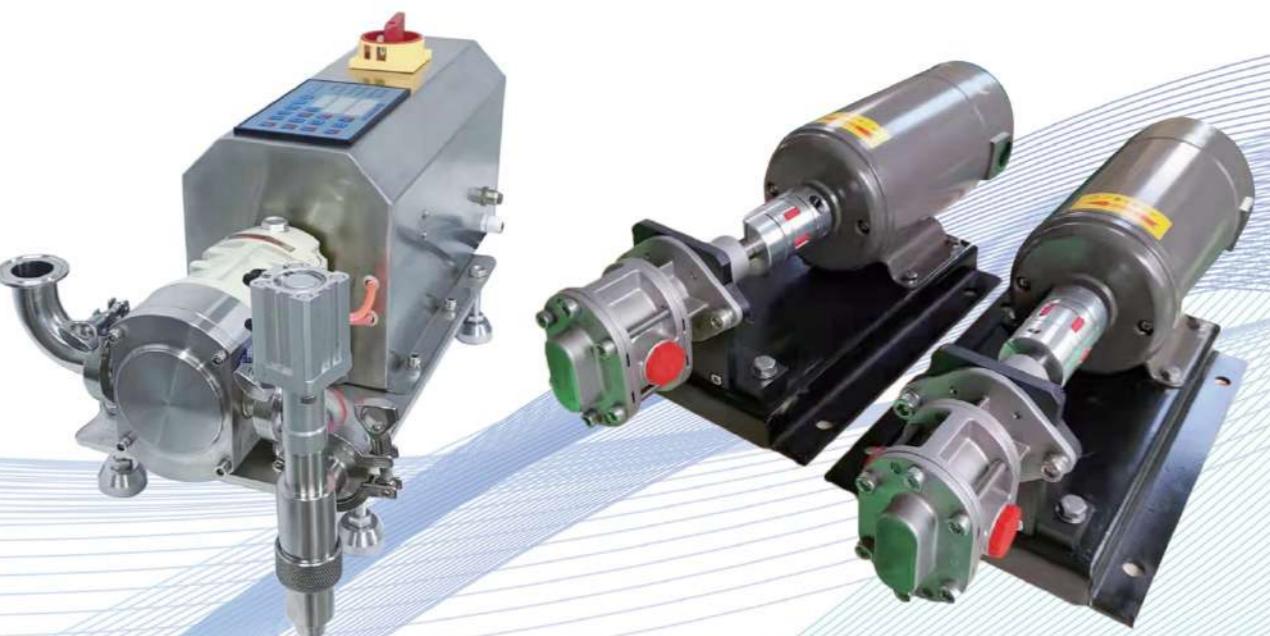
注意事项 MATTERS NEEDING ATTENTION

● 工作温度不得超过200度，粘度不超过100000cps。(如温度超过90℃，请在选型时说明)
● The working temperature must not exceed 200 degrees and the viscosity should not exceed 100,000 cps. (If the temperature exceeds 90°C, please specify when selecting)

产品优点

ADVANTAGES

- 电动机和计量泵之间采用柔性驱动联接，消除了电机和计量泵之间因对中误差而对计量准确性的影响，同时避免电机将振动传给计量泵。
- 流量精度高：在不同的温度、压力、粘度的条件下，可进行连续精确稳定的流量控制。
- 齿轮传动设计使流量输送无脉冲。
- 拆装简单易于清洗、运动件抗磨损，体积小、噪音低、能长期稳定工作。
- 伺服驱动流量精确、数字化调节、远程控制均可实现。
- 适合输送的物质：树脂、固化剂、乳化剂、添加剂、腐蚀剂、粘合剂、氧化剂、表面活化剂、热熔粘合剂、消泡剂、增粘剂、密封剂、催化剂、化学剂、阻垢剂、清漆、涂料、油墨、乳化液、乳液、化纤、染料、颜料、粘胶、甲醇、乙醇、乙二醇、甲醚、润滑油、润滑脂、异氰酸酯、黑料、白料、染料、番茄酱、水处理、化妆品、香料、粘胶、燃料、尿烷、润滑剂、黏合剂、调味品、药剂、聚合物、油、油漆、维生素、洗涤剂、缓蚀剂等。
- The sturdy drive coupling between the motor and the metering pump, eliminates the influence of the alignment error between the motor and the metering pump on the measurement accuracy. At the same time, avoid the motor transmitting vibration to the metering pump
- High flow accuracy: continuous accurate and stable flow control under different conditions of temperature, pressure and viscosity.
- Gear transmission structure design makes flow delivery without pulse.
- Disassembling and assembling is simple and easy to clean, the moving parts resist wear and tear, the size is small, the noise is low, can work stably for a long time.
- Servo drive flow accurate, digital regulation, remote control can be achieved.
- Suitable for transporting substances:
Resins, curing agents, emulsifiers, additives, corrosives, adhesives, oxidizing agents, surfactants, hot melt adhesives, Defoamer, tackifier, sealant, catalyst, chemical agent, scale inhibitor, varnish, paint, ink, emulsion, Emulsion, chemical fiber, dye, pigment, viscose, methanol, ethanol, ethylene glycol, methyl ether, lubricating oil, grease, isocyanate, Black, white, dye, ketchup, water treatment, cosmetics, spices, viscose, fuel, urethane, lubricants, adhesives, Condiments, pharmaceuticals, polymers, oils, paints, vitamins, detergents, corrosion inhibitors, etc.



● HB系列 耐腐蚀齿轮计量泵 HB SERIES CORROSION RESISTANT GEAR METERING PUMP

标准配置

STANDARD CONFIGURATION



结构特点

STRUCTURAL CHARACTERISTICS

- B系列通用泵具有良好的流体兼容性，在不同工业和行业领域中被广泛采用。除高粘度、强酸、强碱以及氯化物流体，小粘度流体B系列都表现出优秀的性能。
- B series general purpose pumps have good fluid compatibility and are widely used in different industries and industry fields. In addition to high viscosity, strong acid, strong alkali and chloride fluids, the B series of low viscosity fluids have shown excellent performance.

材质

MATERIAL

- 工具钢、铸铁、304、316、316L、2205、440C合金不锈钢
- Tool steel, cast iron, 304, 316, 316L, 2205, 440C alloy stainless steel

注意事项

ADVANTAGES

- 密封：机械密封、填料密封
- 压力：1~70bar (取决于粘度)
- 转速：500~1000r/min
- 粘度：1~1000cps
- 温度：-18~200°C (如超过90°C请在选型时声明)
- Seal: mechanical seal, packing seal
- Pressure: 1~70bar (depending on viscosity)
- Speed: 500~1000r/min
- Viscosity: 1~1000cps
- Temperature: -18~200°C (if it exceeds 90°C, please declare it when selecting)



性能参数

PERFORMANCE PARAMETER

型号	流量cc/r	转速/分	流量/分	进出口径
Model	Flowcc/r	Speed/min	Flow/min	Caliber
HB1.6	1.6	1500	2.4L	G3/8
HB3.2	3.2	1500	4.8L	G3/8
HB4.0	4.0	1500	6.0L	G3/8
HB6.3	6.3	1500	9.45L	G1/2
HB8.0	8.0	1500	12.0L	G1/2
HB12.5	12.5	1500	18.75L	G3/4
HB16	16	1500	24.0L	G3/4
HB25	25	1500	37.5L	G3/4
HB40	40	1500	39.2L	G1
HB63	63	1500	61.74L	G1 1/4
HB80	80	1500	78.4L	G1 1/4
HB125	125	1500	122.5L	G1 1/2

● HD系列 耐腐蚀齿轮计量泵 HD SERIES CORROSION RESISTANT GEAR METERING PUMP

标准配置

STANDARD CONFIGURATION



产品简介

PRODUCT INTRODUCTION

- D系列高粘度泵专门设计应用于高粘度液体输送、增压、计量。通过采用特殊结构材料，设定端面间隙以及选用其他附件，使泵适用于树脂、粘胶、造纸、化纤、造粒、塑料薄膜、片材、板材、型材、管材、拉丝、复合挤出等生产设备。
- D series high viscosity pumps are specially designed for high viscosity liquid transportation, pressurization and metering. By using special structural materials, setting end face clearance and selecting other accessories, the pump is suitable for the production of resin, viscose, paper, chemical fiber, granulation, plastic film, sheet, plate, profile, pipe, wire drawing, composite extrusion, etc. equipment.

适用范围

APPLICATION AREA

- 工具钢、304、316、316L、2205、硬质合金、斯特利合金
- Tool Steel, 304, 316, 316L, 2205, Carbide, Staley

注意事项

ADVANTAGES

- 密封：机械密封、填料密封
- 压力：1~100bar (取决于粘度)
- 转速：30~980r/min
- 粘度：1~30000cps
- 温度：-18~200°C (如超过90°C请在选型时声明)
- Seal: mechanical seal, packing seal
- Pressure: 1~100bar (depending on viscosity)
- Speed: 30~980r/min
- Viscosity: 1~30000cps
- Temperature: -18~200°C (if it exceeds 90°C, please declare it when selecting)



性能参数

PERFORMANCE PARAMETER

型号 Model	流量cc/r Flowcc/r	转速/分 Speed/min	流量/分 Flow/min	进出口径 Caliber
HD3.2	3.2	980	3.1L	G1/2
HD6.3	6.3	980	6.2L	G1/2
HD10	10.0	980	9.8L	G3/4
HD12.5	12.5	980	12.3L	G3/4
HD16	16.0	720	11.5L	G3/4
HD25	25	720	18.0L	G1 1/4
HD40	40	720	28.8L	G1 1/4
HD63	63	720	45.4L	G1 1/2
HD80	80	720	57.6L	G1 1/2
HD125	125	500	62.5L	G1 1/2
HD160	160	500	80.0L	G2
HD250	240	500	120.0L	G2
HD400	400	400	160.0L	G2
HD630	630	400	252.0L	DN80Flange
HD800	800	400	320.0L	DN80Flange
HD1000	1000	400	400.0L	DN80Flange
HD1250	1250	400	500.0L	DN80Flange
HD1600	1600	400	640.0L	DN80Flange

● HE系列 耐腐蚀齿轮计量泵 HE SERIES CORROSION RESISTANT GEAR METERING PUMP

标准配置

STANDARD CONFIGURATION



产品简介

PRODUCT INTRODUCTION

- E系列保温泵是为输送在常温状态下粘度高、凝固或结晶，而在维持一定温度时易流动的介质而设计的。例如：沥青、石蜡、松香、重油、树脂等，以及性质类似温度不高于200°C的流体。
- E系列保温泵的泵体设有循环夹层，可用于导热油、蒸汽、热水、冷水等媒介对输送的液体和泵进行加热、保温及冷却。泵在停机后，泵内介质依然能得到融化，使高粘稠介质充满泵腔，真正起到输送高粘稠介质的作用。
- E series heat preservation pump is designed for conveying medium with high viscosity, solidification or crystallization at normal temperature, but easy to flow when maintaining a certain temperature.
For example: bitumen, paraffin, rosin, heavy oil, resin, etc., as well as fluids with similar properties whose temperature is not higher than 200°C.
- The pump body of the E series heat preservation pump is equipped with a circulating interlayer, which can be used for heating, heat preservation and cooling of the conveyed liquid and the pump with heat transfer oil, steam, hot water, cold water and other media. After the pump is stopped, the medium in the pump can still be melted, so that the high-viscosity medium fills the pump cavity, which really plays the role of conveying the high-viscosity medium.

材质

WORKING TEMPERATURE

- 工具钢、304、316、2205、硬质合金
● Tool Steel, 304, 316, 2205, Carbide

注意事项

ADVANTAGES

- 密封：机械密封、填料密封
● 压力：1~100bar (取决于粘度)
● 转速：30~980r/min
● 粘度：1~30000cps
● 温度：-18~200°C (如超过90°C请在选型时声明)
- Seal: mechanical seal, packing seal
● Pressure: 1~100bar (depending on viscosity)
● Speed : 30~980r/min
● Viscosity: 1~30000cps
● Temperature: -18~200°C (if it exceeds 90°C, please declare it when selecting)



性能参数

PERFORMANCE PARAMETER

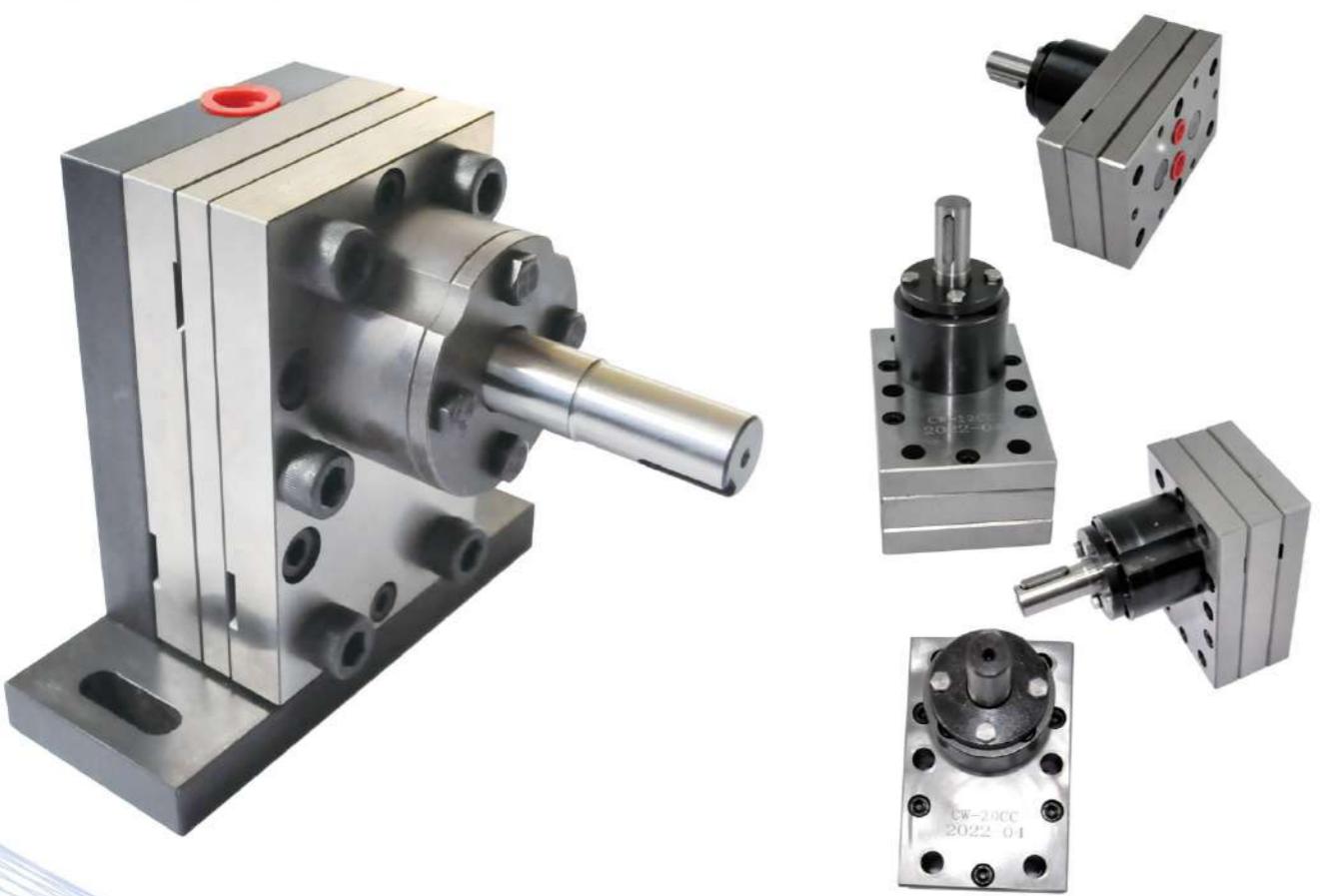
型号 Model	流量cc/r Flowcc/r	转速/分 Speed/min	流量/分 Flow/min	进出口径 Caliber
HE3.2	3.2	980	3.1L	G1/2
HE6.3	6.3	980	6.2L	G1/2
HE10	10.0	980	9.8L	G3/4
HE12.5	12.5	980	12.3L	G3/4
HE16	16.0	720	11.5L	G3/4
HE25	25	720	18.0L	G1 1/4
HE40	40	720	28.8L	G1 1/4
HE63	63	720	45.4L	G1 1/2
HE80	80	720	57.6L	G1 1/2
HE125	125	500	62.5L	G1 1/2
HE160	160	500	80.0L	G2
HE250	240	500	120.0L	G2
HE400	400	400	160.0L	G2
HE630	630	400	252.0L	DN80Flange
HE800	800	400	320.0L	DN80Flange
HE1000	1000	400	400.0L	DN80Flange
HE1250	1250	400	500.0L	DN80Flange
HE1600	1600	400	640.0L	DN80Flange

● BT系列 低速齿轮计量泵

LOW SPEED GEAR METERING PUMP

标准配置

STANDARD CONFIGURATION



特点

FEATURE

- 适用于中高压力

工作温度不得超过300度，粘度不超过100000cps。(如温度超过90℃, 请在选型时说明)

- Suitable for medium to high pressure

The working temperature must not exceed 300 degrees and the viscosity should not exceed 100,000 cps. (If the temperature exceeds 90°C, please specify when selecting)

材质

MATERIAL

- 高速工具钢

● High speed steel

性能参数

PERFORMANCE PARAMETER

型号	流量 ML/r	工作压力 Pressure		转速范围	进出口径		电压	功率	调节方式
		进口 Inflow	出口 Outflow		Input and output caliber				
Model	FlowML/r	(max) bar	(max) bar	Speed range	进口 Inflow	出口 Outflow	Voltage	Power	Adjustment method
BT06	0.6	5	100	1~80rpm	G3/8	G1/4	AC220~380	0.55kw	变频器伺服驱动器 Frequency converter or Servo driver
BT1.2	1.2	5	100	1~80rpm	G3/8	G1/4	AC220~380	0.55kw	
BT2.4	2.4	5	100	1~80rpm	G3/8	G1/4	AC220~380	0.55kw	
BT3.2	3.2	5	100	1~80rpm	G3/8	G1/4	AC220~380	0.55kw	
BT6	6	5	100	1~80rpm	G1/2	G3/8	AC220~380	0.55kw	
BT9	9	5	100	1~80rpm	G1/2	G3/8	AC220~380	0.55kw	
BT12	12	5	100	1~80rpm	G1/2	G3/8	AC220~380	0.55kw	
BT15	15	5	100	1~80rpm	G1/2	G3/8	AC220~380	0.55kw	
BT20	20	5	100	1~80rpm	G1/2	G3/8	AC220~380	0.75kw	
BT25	25	5	100	1~80rpm	G1/2	G3/8	AC220~380	1.1kw	
BT30	30	5	100	1~80rpm	G1/2	G3/8	AC220~380	1.1kw	
BT35	35	5	100	1~80rpm	G1/2	G3/8	AC220~380	1.5kw	
BT50	50	5	100	1~80rpm	G3/4	G1/2	AC220~380	1.5kw	
BT70	70	5	100	1~80rpm	G1.0	G3/4	AC220~380	1.5kw	
BT100	100	5	100	1~80rpm	G1.2	G1.0	AC220~380	1.5kw	

- 电压和电机功率可定制

- 转速根据物料粘度和工艺变动

● Voltage and motor power can be customized

● Speed changes according to material viscosity and process