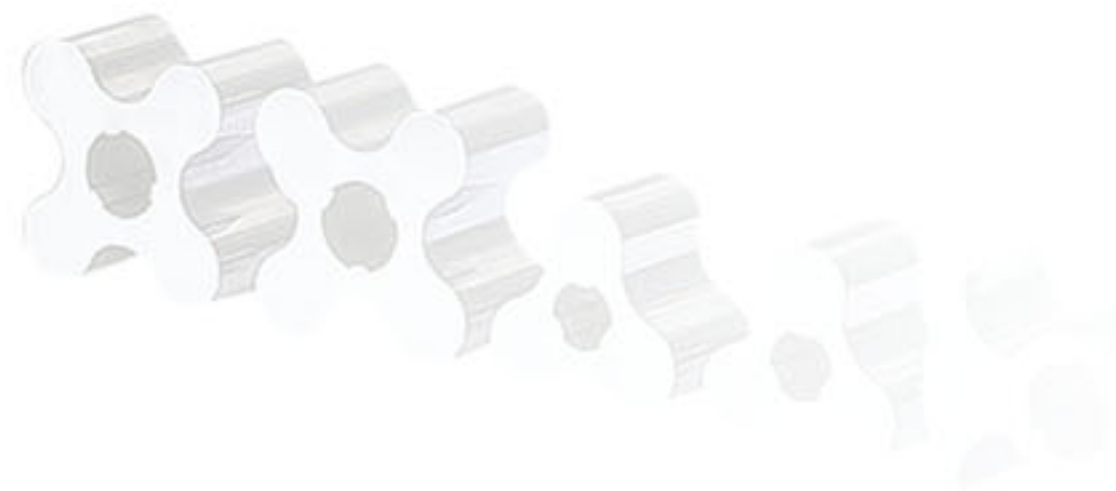
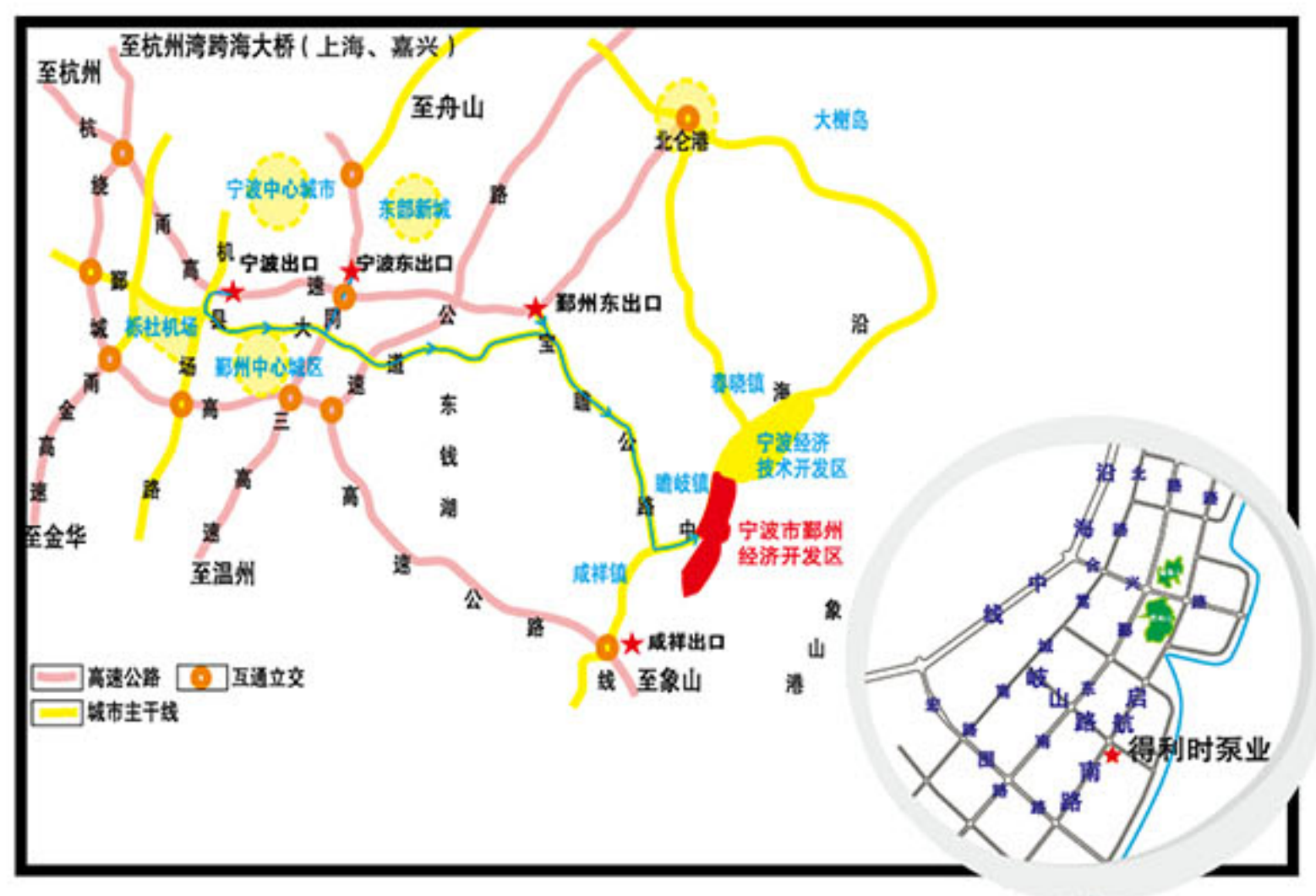




DURREX®

 **国家高新技术企业**
National High-tech Enterprise



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宁波得利时泵业有限公司
DURREX PUMPS CO.,LTD.



Company Profile

Ningbo Durrex Pumps Co., Ltd. (DURREX) is a national high-tech enterprise, specializing in researching and developing globe leading rotary lobe pump, rubber rotary lobe pump, roller pump, homogenous pump and so forth products.

DURREX covers an area of 39600 m² and has modernized standard workshops more than 32000 m². We have outstanding R&D, manufacture and application technology, along with 180 units of advanced CNC and 16 units of precise inspection equipment, such as CMM, spectrum, etc.

We dedicate to developing and manufacturing rotary lobe pump and homogeneous pump, and have obtained 63 national patents (including 11 invention patents). Furthermore, we have honored with many achievements, such as National Inno Fund, National Torch Program, Science Technology Progress Award of Zhejiang Province, and authenticated by 3A, FDA, ISO9001:2015, ISO14001:2015, OHSAS18001:2007, CE.

Our pumps are acknowledged and used over 30 countries around the world. Over 5000 domestic and foreign companies, such as P&G, DuPont, Unilever, BASF, Solvay, Yihaikerry, Cargill, BUHLER, Ferrero, UPM, Nine Dragons Paper, OJI Paper, Sateri, ADITYA Birla, Tangshan Sanyou, etc. are receiving our significant fluid transfer equipment and technical service.

企业简介

宁波得利时泵业有限公司 (DURREX) 是一家国家高新技术企业, 公司主导研发国际先进的凸轮式转子泵、橡胶转子泵、滚柱式转子泵、均质乳化泵系列产品。

DURREX公司占地39600平方米, 拥有现代化标准厂房约32000平方米。拥有国际先进的立式加工中心、卧式加工中心等各种加工设备180多台, 三坐标、光谱仪等各种精密检测设备16台。

DURREX专注于凸轮式转子泵和均质泵的研发与制造, 已获得国家专利63项(其中发明专利11项), 获得国家创新基金、国家火炬计划、浙江省科学技术奖等多项荣誉, 并通过美国3A、FDA卫生认证、ISO9001:2015、ISO14001:2015、OHSAS18001:2007、欧盟CE等认证。

DURREX产品销售遍及全球30多个国家, 为美国宝洁、杜邦, 英国联合利华, 德国巴斯夫, 法国索尔维, 以及益海嘉里、嘉吉、布勒、费列罗、芬欧汇川、玖龙纸业、王子制纸、赛得利、博拉经纬、唐山三友等全球5000多家客户提供专业的流体输送设备和技术服务。

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企业证书
Enterprise certificate



高新技术企业证书
High-tech enterprise certificate



国家火炬计划
China torch program



浙江省科学技术奖
Zhejiang Science and Technology
Progress Award



发明专利
Invention Patent



发明专利
Invention Patent



发明专利
Invention Patent



实用新型专利
Utility model Patent



ISO9001:2015认证
ISO Authentication



3A 证书
3A Authentication



美国 FDA 证书
FDA Authentication



CE 双向认证
CE Authentication



凸轮式转子泵 Rotary lobe pump



产品简介

凸轮式转子泵是DURREX公司经过数十年研究开发而制造的旋转式容积泵，产品的专业制造技术和加工精度达到国际先进水平。

凸轮式转子泵的制造标准分为：食品级、化工级、普通型、油田型、特种型五大系列，产品的核心部件和密封装置，根据介质的不同特性，采用不同的材料和不同的密封形式，以满足各种物料和生产工艺流程的需要。DURREX公司的转子设计品种有12种，每种转子可在同一台泵上互换使用。

Product introduce

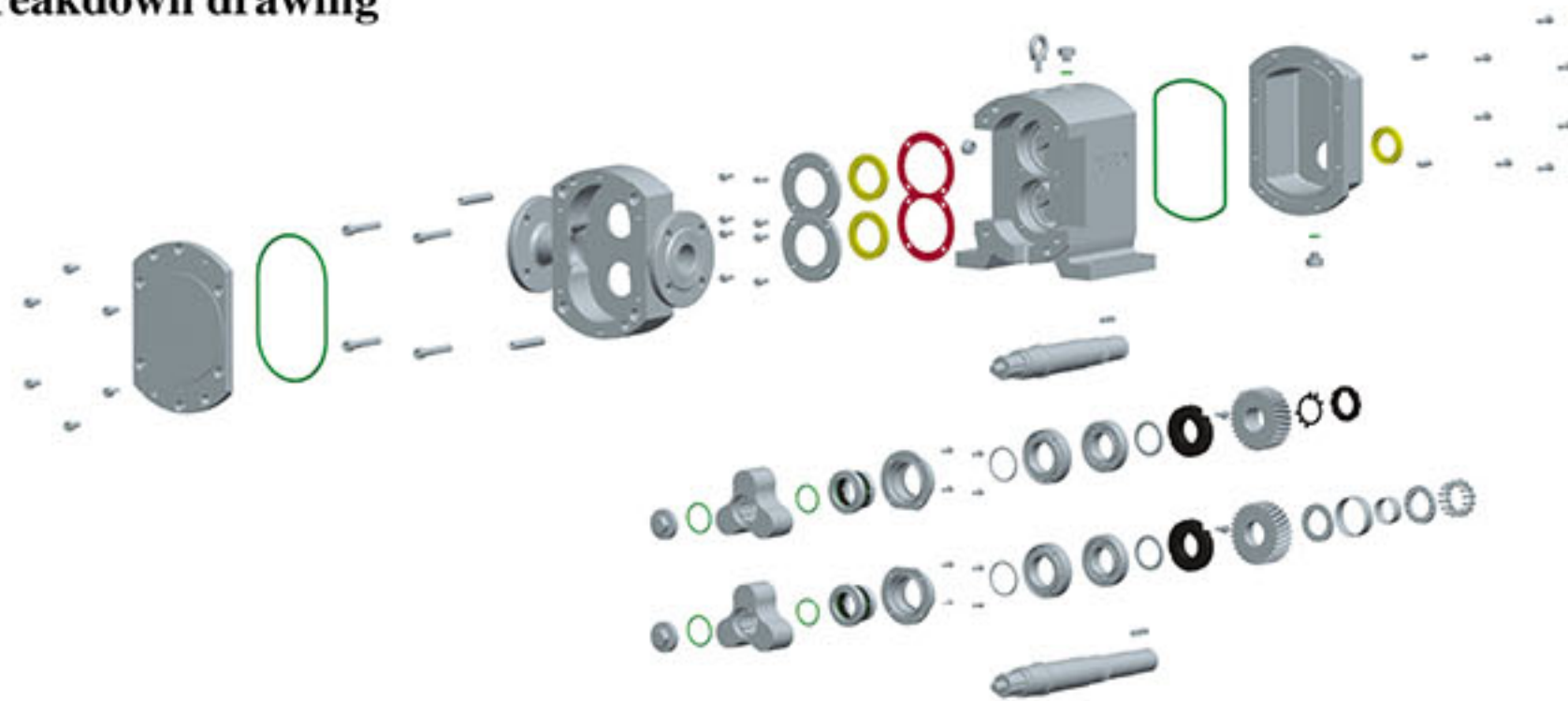
The DURREX rotary lobe pump is a positive displacement pump developed after decades of research and design. The manufacturing technique and accuracy has come up to world advanced level.

The rotary lobe pumps manufacturing standard is divided to: Foodstuffs, Chemicals, Regular, Oil-fields and Special-type. The core parts and sealing device of the products are made of different materials according to different properties of material, to meet variety medium and working procedures' requirements. There are 12 varieties of DURREX rotors, which can be set interchangeably in the same pump.

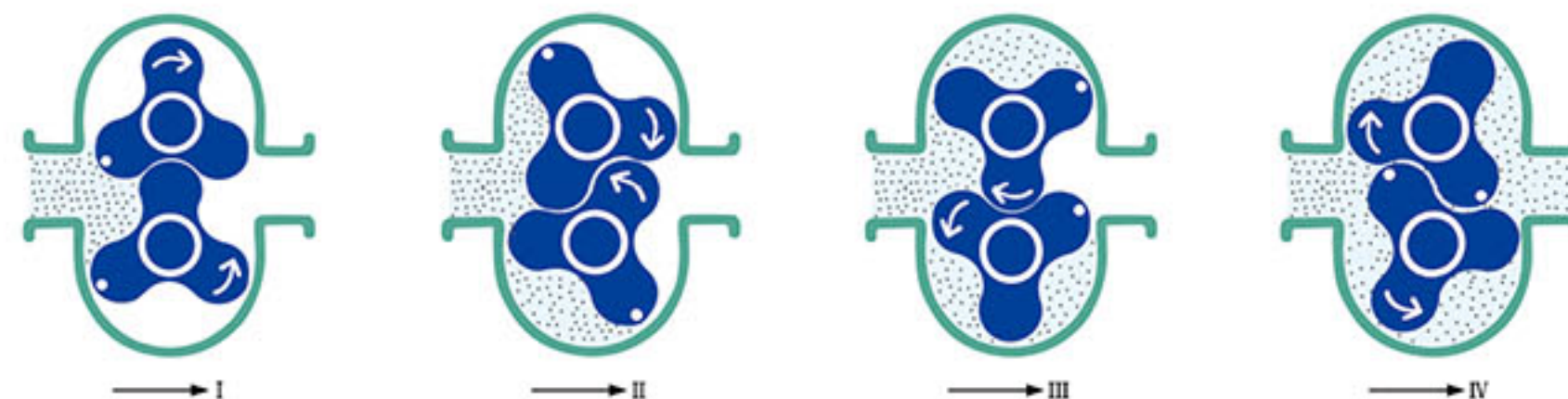
泵头结构 Bare-shaft pump instructure



转子泵分解图 Breakdown drawing



转子工作模拟图 Operating simulated drawing



转子简介

Rotor introduce



①一叶转子：适合于输送含有大颗粒物料的介质，对大颗粒物料的破碎率较低，但其脉动大，压力低，容积量小，很少使用。

(1) single impeller: used to transport medium with a little large grains because this impeller is not easy to damage grains. The shortage is high impulse, low pressure, small capacity, so seldom using.



②二叶转子：适合于输送含有中小颗粒物料的介质，对中小颗粒物料的破碎率相对较低，略有脉动，容积量小于三叶转子。

(2) double impeller: used to transport medium with middle or small grains, with low damage rate and low impulse, the capacity is smaller than tri-impeller.



③三叶转子：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，但其在输送物料的过程中对颗粒物料有一定的破碎率。

(3) tri-impeller: this is common type, the capacity is higher than all other rotors, performance is better than the above rotors, but it has certain breakage to the grain medium.



④四~十二叶转子：当转子叶片超过三叶后，其容积量因转子叶片的增加而减少，转子叶片越多，容积量则越少，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。

(4) multi-impeller: when impeller quantity beyond three, the capacity will decrease with impeller increase. Multi-impeller has high stability while using, but easy to damage grain medium.

密封简介

Sealing introduce



A: 机械密封

B: 水冷却机械密封

C: 油润滑机械密封

材料：硬质合金、碳化硅、石墨……

Mechanical Sealing

Water-flush mechanical sealing

Oil-lubricating mechanical sealing

Materials: tungsten carbide, silicon carbide, graphite



D: 填料密封

材料：自润滑聚四氟乙烯纤维……

Packing Sealing

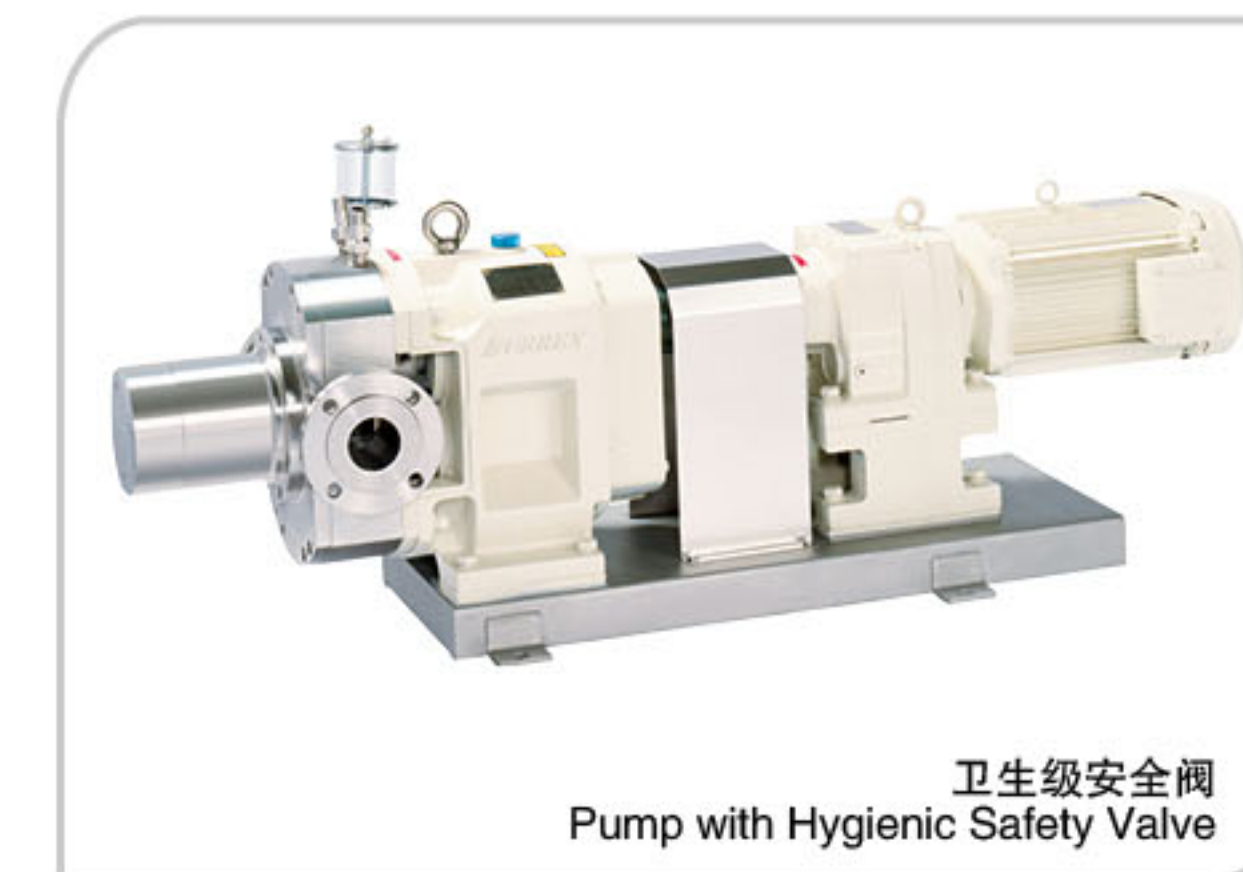
Materials self-lubricating PTFE fiber

整机参考图

Whole pump reference



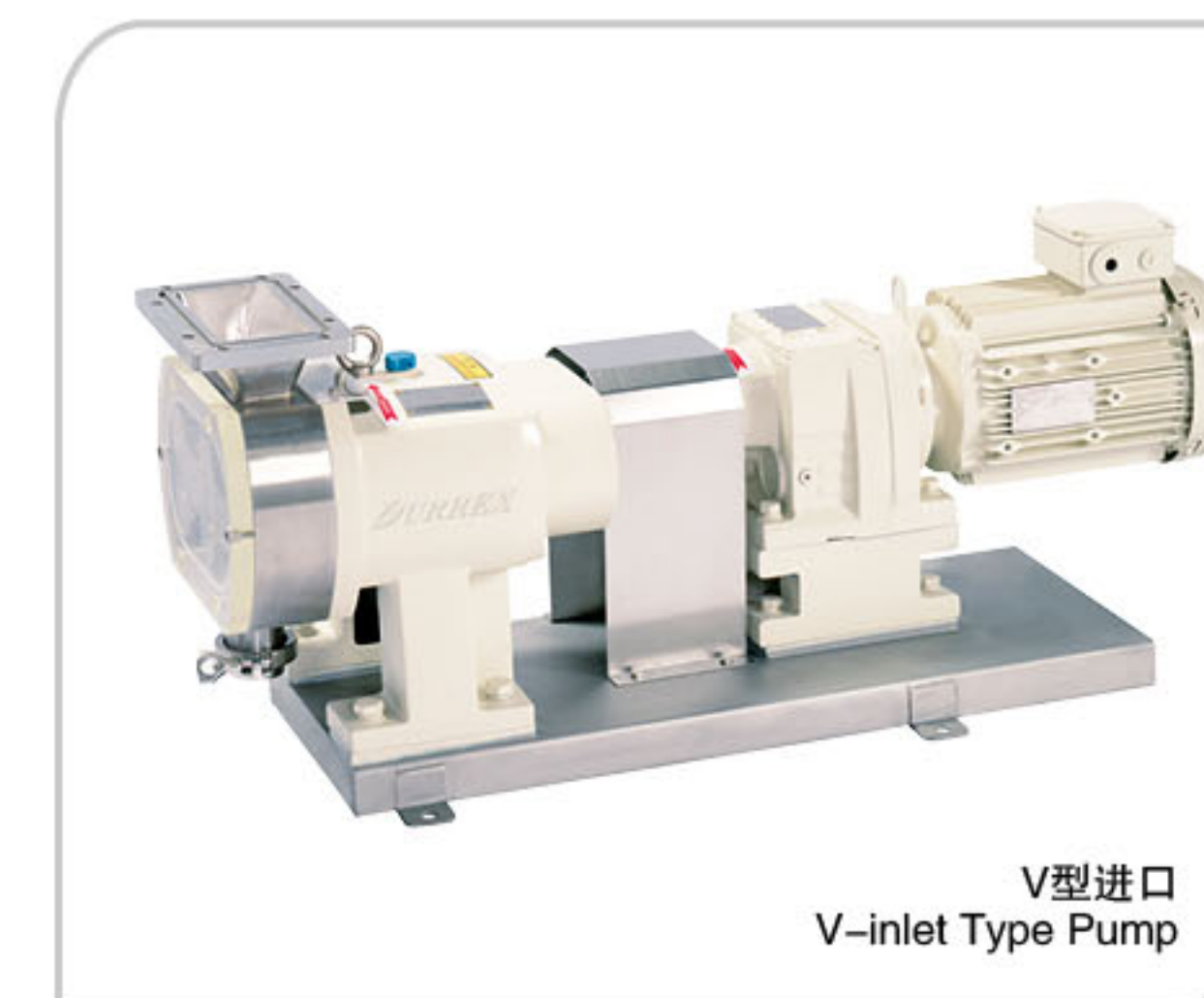
通用型
Common Pump



卫生级安全阀
Pump with Hygienic Safety Valve



医药级
Pharmaceutical Type Pump



V型进口
V-inlet Type Pump



移动式
Movable Type Pump



变频控制
Pump with Frequency Converter

产品特点

- ④ 转子与转子，转子与泵体之间保持一定间隙、无摩擦系数，使用寿命长。
- ④ 装拆简单，维护、清洗方便，易损件少。
- ④ 高效节能，故障率低，密封可靠，噪音低。
- ④ 采用特种材料后，可输送污泥、污水等含有固体颗粒的介质。
- ④ 可输送介质粘度为 ≤ 200 万cp，以及含固量为60%的浆料。
- ④ 配置变频器后，可以随意调节流量，并可作一般计量泵使用。
- ④ 根据用户连接要求，可选配法兰式、螺口式、卡箍式。
- ④ 可输送气、液、固相混合物料。
- ④ 保温冷却泵采用内置式结构，保温性好。
- ④ 移动式泵可以吸取各种桶装物料，吸入真空度达0.08Mpa。
- ④ 根据用户要求可在泵头配置卫生级安全阀。

应用领域

- 日用化工：AES、LAS、AOS、MES、K12、甘油、山梨醇、脂肪醇、沐浴露、护肤霜、洗发液、洗手液、牙膏、肥皂、洗衣粉料浆等。
- 精细化工：染料、颜料、各种浆料、化工助剂、粘胶剂、107胶、硅油、皮革油、乳化炸药各种胶体料等。
- 食品：巧克力、炼乳、酸奶、蜂蜜、糖浆、蔗糖、番茄汁、浓缩果汁、果酱、冰淇淋、牛奶、酵母泥浆、肉浆、果冻、调味品、酒糟、大豆蛋白、面粉浆等。
- 造纸：聚丙烯酰胺（PAM）、碳酸钙、淀粉糊、羧基丁苯/丙苯胶乳、松香、松香胶、纸浆、填料、干强剂、湿强剂、施胶剂、助留助滤剂、消泡剂、涂布、水处理化学品等。
- 化纤：粘胶浆粥、PVA、维纶浆料、腈纶浆料、胺纶浆料、聚脂切片、涤纶、丙纶、人造纤维、功能性纤维等。
- 医药：各种药膏、浸膏、药乳液、药丸糊、糖浆、保健品、药剂等。
- 涂料：油漆、涂料、油墨、绝缘漆、树脂、助剂、有机溶剂等。



Product features

- ④ Gap is kept between the rotors and between the rotors and the pump body, no friction, long life.
- ④ Simple assembling and disassembling, easy to maintenance and clean, less easily-damaged parts.
- ④ High efficiency and energy-saving, low failure, reliable sealing and low noise.
- ④ With special material pump could be used for transporting solid granules, like sludge and sewage.
- ④ Capable to pump the viscous material below 2 million cp and pulp with the solid volume of 60%.
- ④ Equipped with frequency converter, flow can be adjusted at will and can be used as general measurement pump.
- ④ Flange, screw, or clamp connection can be selected by customer.
- ④ Capable of pumping mixture of gas, fluid, and solid materials.
- ④ Heating & cooling pump is of built-in structure, with well heat conductivity.
- ④ Movable type pumps can be used to pump canned medium, with vacuum of 0.08 Mpa.
- ④ Hygienic safety valves can be set at the pump head if customer required.

Applications

Consumer chemicals:

AES, LAS, AOS, K12, glycerol, sorbitol, fatty alcohol, bathing shampoo, skin cream, shampoo, detergent liquid, toothpaste soap, washing powder slurry, etc.

Refined Chemicals:

Dyestuffs, pigments, all kinds of pulp, chemical additives, adhesives, silicone oil, leather oil, a variety of colloidal materials, etc.

Food and Beverage:

Chocolate, concentrated milk, yoghurt, honey, syrup, cane sugar, tomato juice, concentrated juice, jam, ice cream, milk, yeast slurry, meat slurry, jelly, condiment, lees, soybean protein, flour slurry, etc.

Paper making:

Polyacrylamide, calcium carbonate, starch paste, carboxyl starch paste, rosin, rosin size, paper pulp, filling, dry strength agent, wet strength agent, sizing agent, filtering agent, antifoaming agent, spreading, water treatment chemicals, etc.

Chemical fiber:

Pectic slurry, PVA, vinylon slurry, acrylic slurry, ammonia slurry, polyester slice, terylene, polypropylene fiber, rayon, functional fiber, etc.

Pharmaceuticals:

Ointments, extractum, medicine latex, pill paste, syrup, healthcare products, drugs, etc.

Coating:

Paint, dope, printing ink, insulating paint, resin, additives and assistants, organic solvent, etc.



技术参数表

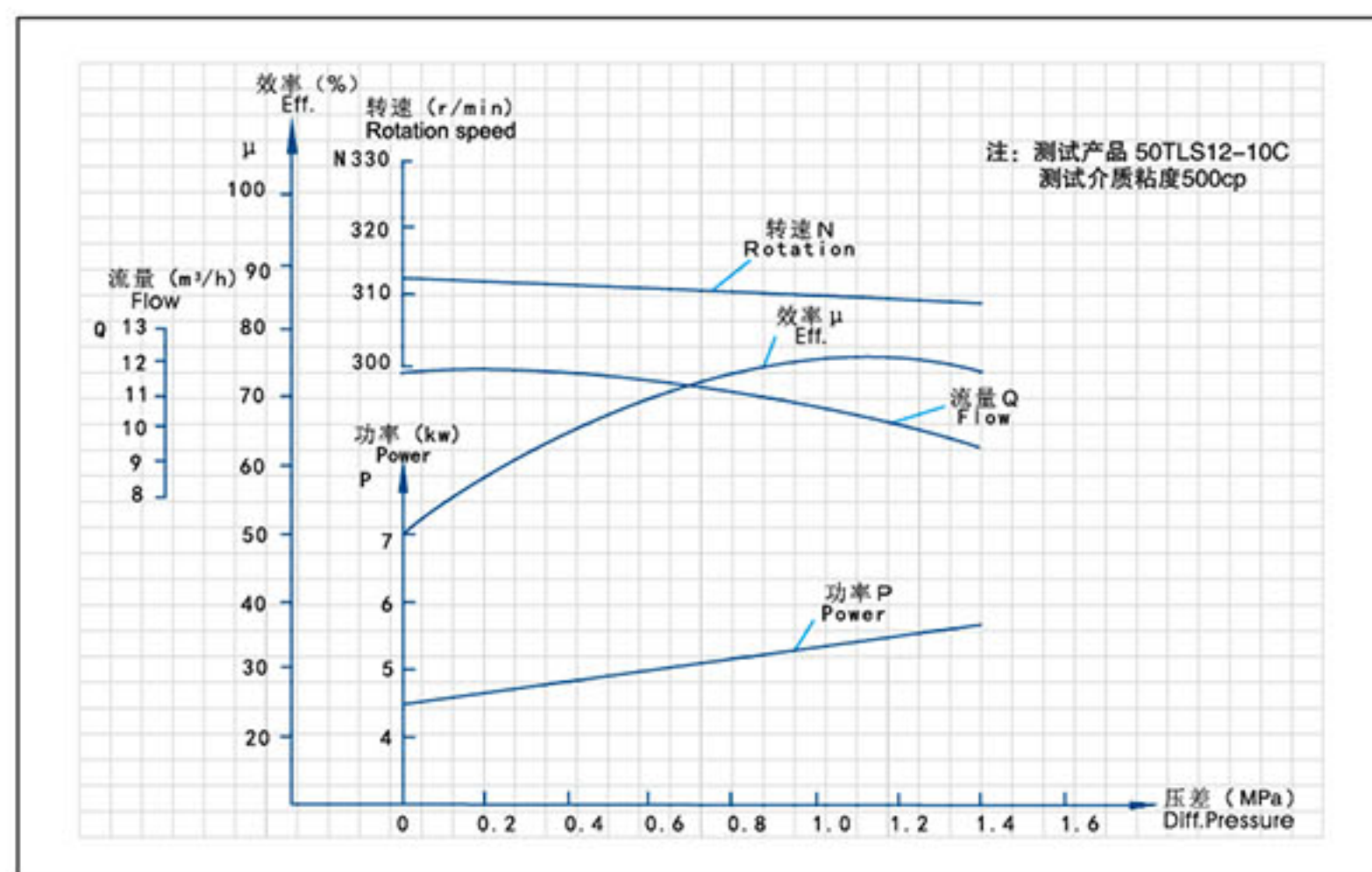
Technical parameters

型号 Type	排量 Capacity (L/r)	转速 Rotation speed (r/min)	流量 Flow (m³/h)	压力 pressure (MPa)	功率 Power (kw)	吸入压力 Suction pressure (MPa)	粘度范围 Viscosity (cp)	进出口径 Inlet&outlet DN(mm)
15TLS12-0.5C	0.04	10-720	0.5	0.1-1.2	0.25-1.5	0.08	1-1000000	15
25TLS12-2C	0.15	10-720	2	0.1-1.2	0.25-2.2	0.08	1-1000000	25
40TLS12-5C	0.32	10-500	5	0.1-1.2	0.37-3	0.08	1-1000000	40
50TLS12-10C	0.65	10-500	10	0.1-1.2	1.5-7.5	0.08	1-1000000	50
60TLS12-15C	1.1	10-500	15	0.1-1.2	2.2-11	0.08	1-1000000	65
65TLS12-20C	1.74	10-500	20	0.1-1.2	2.2-15	0.08	1-1000000	65
75TLS12-30C	2.6	10-500	30	0.1-1.2	3-22	0.08	1-1000000	80
80TLS12-40C	3.65	10-500	40	0.1-1.2	4-30	0.08	1-1000000	100
100TLS12-60C	5.2	10-500	60	0.1-1.2	5.5-45	0.08	1-1000000	125
125TLS12-80C	6.8	10-500	80	0.1-1.2	7.5-55	0.08	1-1000000	125
140TLS12-120C	9.8	10-400	120	0.1-1.2	11-90	0.08	1-1000000	150
150TLS12-150C	12.8	10-400	150	0.1-1.2	15-160	0.08	1-1000000	150
200TLS12-200C	16	10-300	200	0.1-1.2	18.5-185	0.08	1-1000000	200

注：根据物料粘度值，泵的进出口口径可以扩大。

性能曲线图

Performance curve



凸轮式转子泵·选型指南

凸轮式转子泵是一种多用途双向容积泵，是国际上最先进的流体输送设备之一，基本上适用于各种流体的输送工作。如果您想选用凸轮式转子泵，请填写本数据单后传真至我公司，我们将协助您选择最理想的泵型。

宁波得利时泵业有限公司

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 Http: //www.durrex-pump.com E-mail:nsg@durrex-pump.com nboffice@durrex-pump.com 地址：宁波市鄞州经济开发区岐山路118号

客 户 资 料

公司名称：_____ 联系人：_____

公司地址：_____ 邮 编：_____

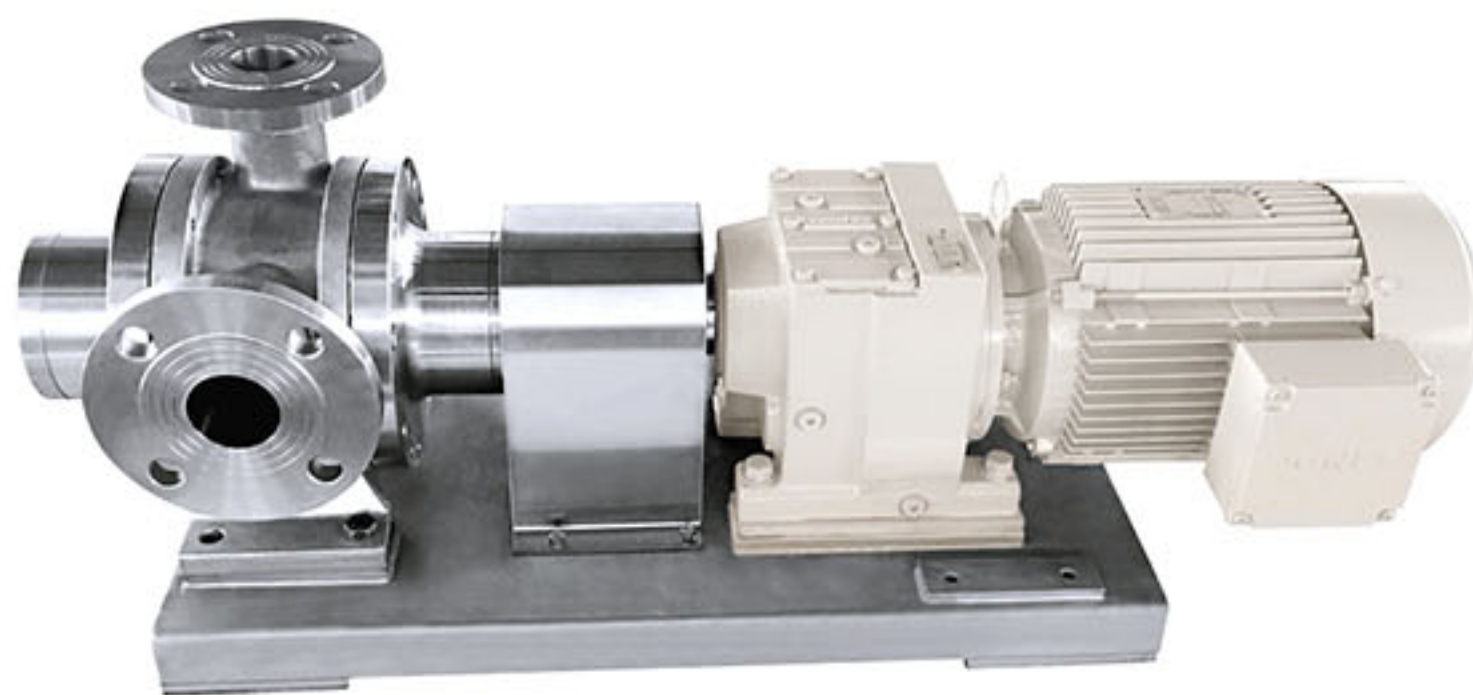
电 话：_____ 传 真：_____

网 址：_____ E-mail：_____

- 输送介质：_____ 过流部件材料：_____
- 介质特性：腐蚀性 ☐ 有毒 ☐ 卫生型 ☐
- 介质粘度：_____ cp 介质温度：_____ °C 介质浓度：_____ PH值：_____
- 流 量：额定 _____ m³/h 变量 _____ m³/h
- 出口压力：额定 _____ MPa 最大 _____ MPa
- 入口压力：额定 _____ MPa 最大 _____ MPa
- 额定压差：_____ MPa 真空度：_____ MPa
- 是否保温：是 ☐ 否 ☐
- 密封要求：机械密封 ☐ 填料密封 ☐ 水冷却密封 ☐
- 传动方式：齿轮减速 ☐ 皮带轮减速 ☐ 机械无级变速 ☐ 变频器变速 ☐
- 防爆等级：_____ 防护等级：_____ 绝缘等级：_____
- 进出口方向：进口方向：_____ 出口方向：_____ 电 压：_____
- 进出口径：进口内径：_____ 出口内径：_____ 频 率：_____
- 连接方式：法兰式 ☐ 螺口式 ☐ 卡箍式 ☐
- 安装方式：固定式 ☐ 移动式 ☐
- 操作状态：连续 ☐ 间断 ☐
- 其它特殊要求：_____

• 泵 数 量：_____

滚柱式转子泵 Roller pump



产品简介

滚柱式转子泵是一种新型的旋转式容积泵，是国际上最先进的流体输送设备之一，主要输送部件由腔体、转子和滚柱组成。滚柱在转子离心力和液力的作用下，在腔体内壁滚动运转，从而形成较高的真空度和排放压力。

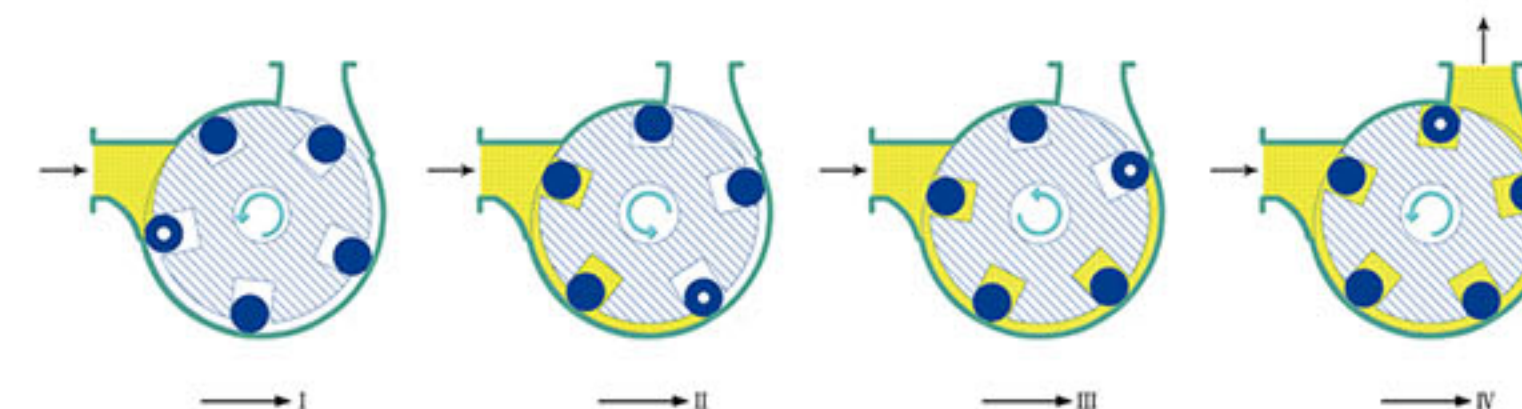
该产品采用多项新技术、新材料，提高了泵对中、低粘度介质的连续性输送性能，以及气、液、固三相流混输性能。由于泵的内腔容积增大，而转速相对较低，介质在滚柱的推动下无剪切流动，所以对物料的输送特别柔和、稳定。产品的核心部件根据不同介质的特性，采用不同材料制造，提高了泵的耐腐蚀和耐磨性。该产品在石油化工、精细化工、日用化工、制药、食品、环保等行业中广泛使用。

Product introduce

Roller pump is a new type of rotary displacement pump. It is advanced fluid delivery pumps, consisting chiefly of working chamber, rotor and roller. The roller turns closely against the inner of working chamber under the centrifugal and hydraulic forces, and then formed high vacuum and discharge pressure.

The product uses multiple new technologies and materials to enhance the sustained delivery performance of low & medium viscosity medium, and the mixture of gas, liquid, and solid granules. As the pump working chamber is pretty large and the turning rate relatively low, the fluid is delivered by the pump stably and smoothly because there is no shear while transfer. The key components of the pump are enduring as they are made of high quality wear-resistant and corrosive-resistant materials. The pumps are widely used in petro-chemistry, pharmaceutical industry, foodstuff industry, environmental protection, etc.

转子工作模拟图 Operating simulated drawing



产品特点

- 1、特殊的工作原理、不同的材质选择，提高了泵的耐磨性、耐腐蚀性。
- 2、能形成较高的真空度，可吸取深至8米的中低粘度介质，以及气、液、固三相流介质。
- 3、噪声低、脉动小、密封可靠、故障率低、高效节能、使用寿命长。
- 4、配置变频器后，一定范围内流量可调，可作一般计量泵使用。
- 5、接口多样，根据用户需要可选配法兰式、螺口式、卡箍式不同接口类型。
- 6、移动式滚柱泵便捷、灵活，可满足随时随地启用及用后移出现场的需求。

Product features

1. Special working principle and different material choice, improving the wear-resistant and corrosive-resistant of pump.
2. With high vacuum, pump can intake low & medium viscosity medium and mixture of gas, fluid and solid granules from up to 8 meter depth.
3. Low noise, low pulsation, reliable seal, low failure rate, high efficiency and energy-saving, long life.
4. Equipped with frequency converter, the flow can be adjusted in a certain range, and can be used as general metering pump.
5. Various connecting type, flange, screw or clamp connection can be selected by customer.
6. Movable type is so convenient and flexible to meet the requirement for starting using at anytime and in anywhere, and removal after using.

技术参数表

Technical parameters

型号 Type	进出口径 DN (mm)	排量 (L/r)	流量 (m ³ /h)	工作压力范围 (Mpa)	真空度 (-Mpa)	功率 (kW)	转速 (r/min)
20GZA	Φ20xΦ20	0.138	1	0.1-1.2	0.01-0.06	0.75-2.2	200-400
40GZA	Φ50xΦ40	0.346	3-5	0.1-1.2	0.04-0.08	1.5-4.0	180-350
50GZA	Φ65xΦ50	0.642	7-10	0.1-1.2	0.04-0.08	3.0-5.5	180-320

均质乳化泵、混合泵

Homogeneous emulsion pump, mixing pump

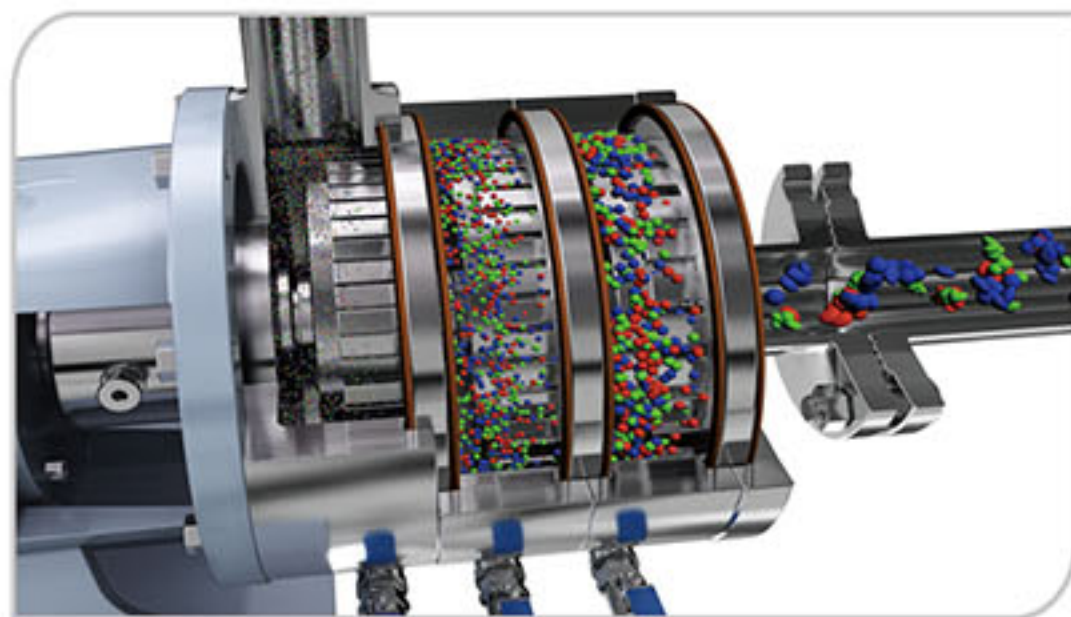
均质乳化泵及混合泵是本公司采用国际先进技术制造的多用途混合乳化设备，该产品的专业制造技术和加工精度引领国际同类产品。均质乳化泵是一种集混合、分散、破碎、溶解、精细、解聚、均质、乳化为一体的高效型产品。主要工作部件由定子、转子组成。定子转子快速运转的离心力和液力作用下，将物料进行强烈剪切、离心挤压、撞击破碎、液层摩擦、湍流均匀等综合作用，从而使不相溶的固相、液相、气相等多种介质在瞬间均匀精细、分散乳化。经过往复循环，使原来的产品达到稳定的高品质产品。

使用该系列产品后，使原来的传统生产工艺进一步简化，生产效率大幅度提高，产品质量明显提高。该系列产品广泛应用于石油化工、精细化工、日用化工、生物制药、食品、造纸、环保、油漆涂料等行业。

Emulsifiers & homogeneous pump introduction

Homogeneous emulsion pump and mixing pump are multi-purpose compound & emulsifier equipment with international advanced technology, its professional technic and manufacture precision can approach international similar product. Homogeneous emulsion pump is an efficient type product with mix, dispersion, breaking, dissolution, refinery, homogenization, emulsifying. The main parts are stators and rotors. At the centrifugal and fluid forces created by the rapid turning of the rotors, the stators exercise on the materials strong power shearing, centrifugal pressing, breaking, fluid friction, turbulent homogenizing and the solid, fluid, and volatile medium are quickly refined, homo-genized, disaggregated, and emulsified. The repeat of this process can result in stable and high-quality products.

These serial products can greatly simplify the traditional production processes upgrade the production efficiency and product quality. They are widely used in petrochemical, refinery chemistry, consumer chemicals, biology pharmaceuticals, foods processing, papermaking, environmental protection, paint and so on.



应用领域

精细化工：颜料、染料、塑料助剂、纺织助剂、胶黏剂、树脂乳化、热熔胶、密封剂、胶水、浆料、整理剂、表面活性剂、均染剂、碳黑分散、防粘剂、脱模剂、消泡剂、织物整理剂、光亮剂、皮革助剂、颜料膏、蜡乳、杀菌剂、混凝剂等。

石油化工：润滑剂、重油乳化、柴油乳化、改性沥青、催化剂、蜡乳剂等。

生物医药：注射剂、抗菌素、药乳液、药乳膏、保健品、微胶囊乳化、细胞组织破碎等。

涂料油墨：印刷油墨、油漆、乳胶漆、建筑涂料、纳米涂料、光固化涂料、涂料助剂、炭黑分散、打印墨水、釉、膨润土等。

农药：杀虫剂、除草剂、药乳油、化肥、农药助剂等。

纳米材料：纳米材料的分散、解聚等。

食品工业：果汁、果酱、冰淇淋、乳制品、食品添加剂、茶饮料、巧克力、豆奶、香精、牛奶等。

日化产品：液体洗涤剂、面霜、唇膏、洗面奶、硅油乳化、日用香精、护肤品、化妆品等。

造纸：纸浆、填料、干强剂、湿强剂、施胶剂、助留助滤剂、消泡剂、涂布、水处理化学品等。

Applications

④ Refined chemistry:

Pigment, dyestuff, plastic auxiliaries, textile auxiliaries, adhesives, resin emulsion, hot melt adhesive, sealing compound, glue, pulp, finishing agent, surface active agent, carbon black disperse, adhesive-proof agent, mold release agent, defoaming agent, fluorine cleaning agent, polishing agent, leather auxiliaries, pigment paste, wax emulsion, bactericide, coagulant, etc.

④ Petrochemistry:

Lubricant, heavy oil emulsion, diesel oil emulsion, modified asphalt, catalyzer, wax emulsion, etc.

④ Biology & pharmaceuticals:

Injection, antibiotic, medical emulsion, medical paste, health product, mini-capsule emulsion, cell breaker, etc.

④ Paint & ink:

Printing ink, paint, emulsion paint, building coating, nanometer coating, photocurable coating, coating auxiliaries, carbon black disperse, print ink, glaze, bentonite, etc.

④ Farmchemicals:

Pesticide, herbicide, medicinal butter, fertilizer, pesticide adjuvant, etc.

④ Nanometer materials:

Disperse and disaggregation for nanometer medium, etc.

④ Foodstuff industry:

Juice, jam, ice-cream, milk product, food additive, tea drink, chocolate, bean milk, essence, milk, etc.

④ Consumer chemistry:

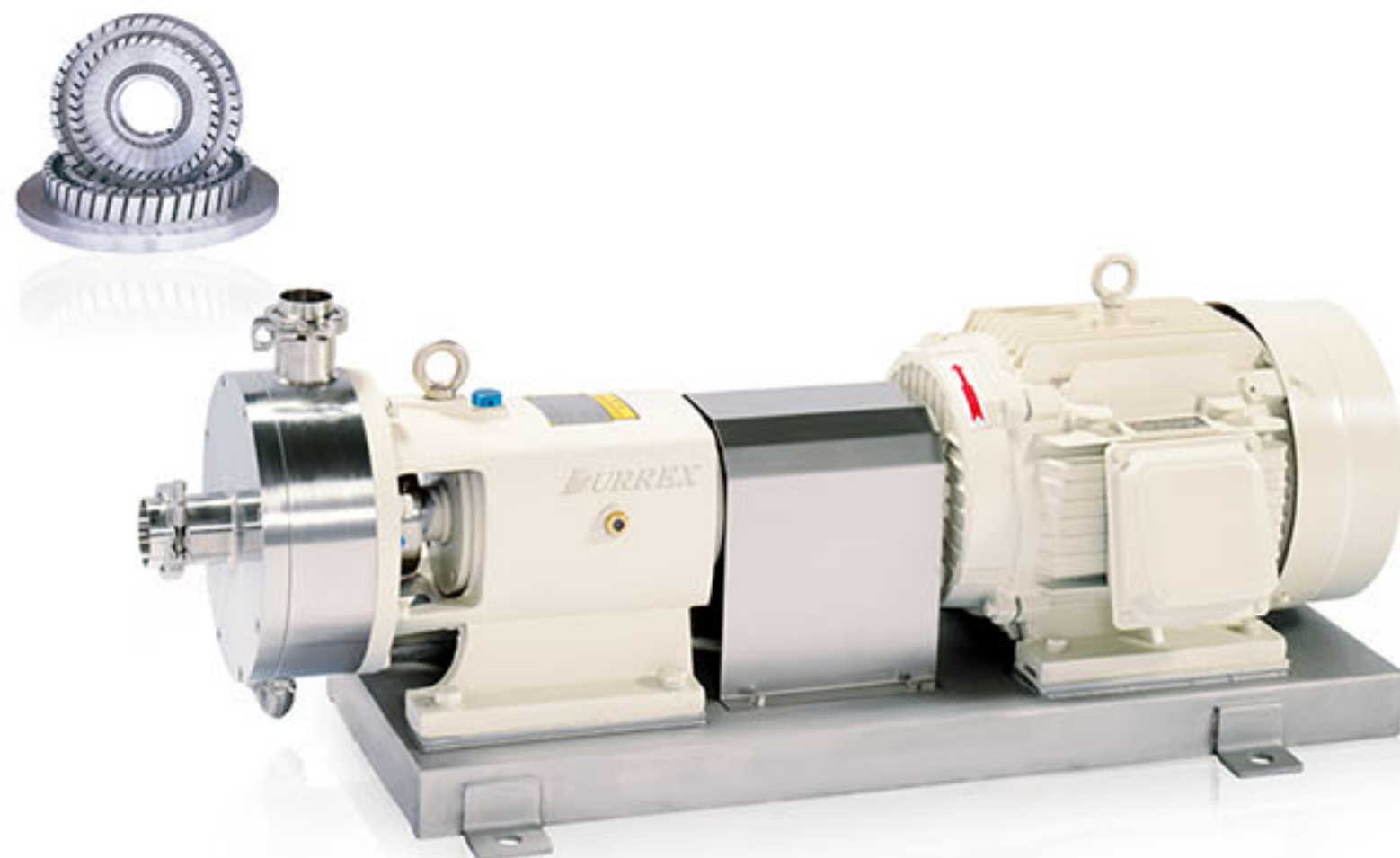
Fluid detergent, skim cream, lip paste, face foam, silicone oil emulsion, household essence, skin care, cosmetic, etc.

④ Paper making:

Pulp, filling, dry strength agent, wet strength agent, sizing agent, filtering agent, antifoaming agent spreading, water treatment chemicals, and so on.

DHX1 均质乳化泵

DHX1 Homogeneous & emulsification pump



产品简介

DHX1均质乳化泵的泵腔内装有一组双层定子和双层转子。转子传动轴采用高强度316材料，密封装置为水冷却双端面机械密封。泵轴由轴承箱支撑，通过联轴器与电机相联。该产品的工作原理是将物料从进口吸入，进行全面均质乳化后由出口排出。

该产品适用于中小批量生产的循环工艺流程，以及短距离输送和均质乳化工作，如果与立式高剪切均质乳化机配合使用，其均质乳化效果更佳。

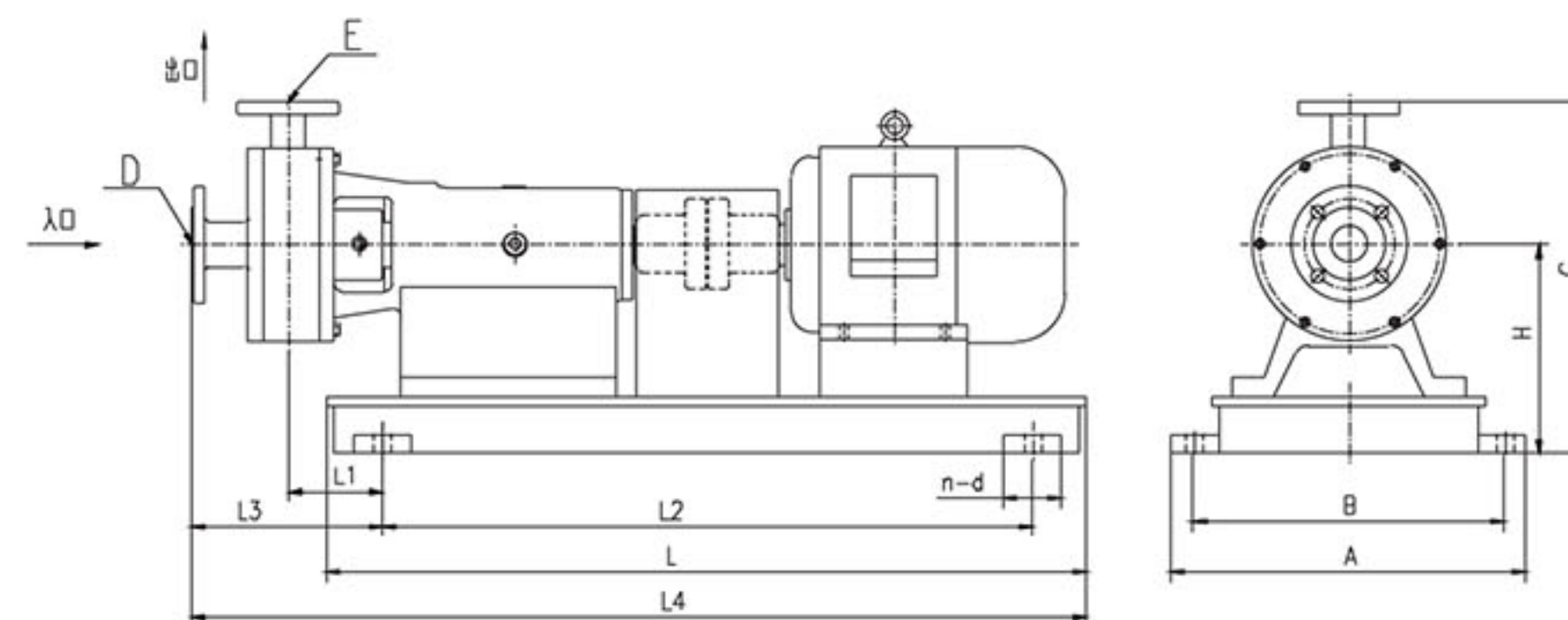
Product profile

DHX1 homogeneous & emulsification pump has a set of double stators and double rotors in pump chamber. Drive shaft of rotors is made of S.S.316, seal equipment is double mechanical seal with water flush. Pump shaft is supported by bearing housing, and link with motor through coupling. The theory of this pump is intaking medium from inlet and output from outlet after homogenizing and emulsifying.

These products can be used in the cyclic processing of medium and small batch production and short-distance transmission, homogeneous and emulsion. It will have great homogeneous and emulsion performances if combined with vertical high-shear homogeneous emulsion machines.

安装图

Installation map



技术参数表

Technical parameters

型号 Type	功率 Power (kw)	转速 Rotation speed (r/min)	流量 (m³/h)	出口压力 (MPa)	D DN (mm)	E DN (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	A (mm)	B (mm)	C (mm)	H (mm)	n-d (mm)
DHX1-100	2.2	2900	1	0.05	Φ25	Φ15	300	169	220	255	530	285	250	250	150	4-Φ14
DHX1-120B	3	2950	3	0.1	Φ50	Φ40	770	185	500	307	964	420	376	220	399	4-Φ18
DHX1-140B	4	2950	5	0.1	Φ50	Φ40	770	185	500	307	984	420	376	220	399	4-Φ18
DHX1-165B	5.5	2950	10	0.15	Φ65	Φ50	856	198	600	340	1135	447	403	242	454.5	4-Φ18
DHX1-185B	7.5	2950	15	0.15	Φ65	Φ50	856	198	600	340	1135	447	403	242	454.5	4-Φ18
DHX1-200B	15	2950	20	0.15	Φ80	Φ65	1100	207	800	362	1337	530	480	287	524	4-Φ24
DHX1-220B	22	2950	30	0.15	Φ80	Φ65	1180	207	800	362	1417	570	520	287	524	4-Φ24
DHX1-240	22	2900	50	0.2	Φ100	Φ80	1200	194	1050	372	1548	550	490	545	260	4-Φ24
DHX1-260	37	2900	60	0.2	Φ125	Φ100	1500	327	1200	532	1882	700	620	768	438	4-Φ28
DHX1-300	45	2900	80	0.25	Φ125	Φ100	1500	327	1200	532	1882	700	620	768	438	4-Φ28

注：以上安装尺寸仅供参考
 Notice: all installation size only for reference

DHX3 均质乳化泵

DHX3 Homogeneous & emulsification pump



产品简介

DHX3均质乳化泵是在DHX1型的基础上延伸开发，是一种连续性生产的在线均质乳化设备。其工作腔体内由三级转子、定子共12层组成，物料通过转子、定子进行逐级分散、精细、乳化，提高了生产效率，是一种集混合、分散、破碎、溶解、精细、解聚、均质、乳化、输送为一体的高效型超细均质泵，使原有的传统生产工艺进一步简化，生产效率大幅度提高，产品质量明显提高，是一种代替胶体磨的理想产品。该产品的密封装置根据不同物料的不同特性，采用双端面或单端面机械密封，根据用户需要，可配置导热保温冷却装置。

该产品适用于大、中批量连续性在线生产或循环处理生产工艺。

Product profile

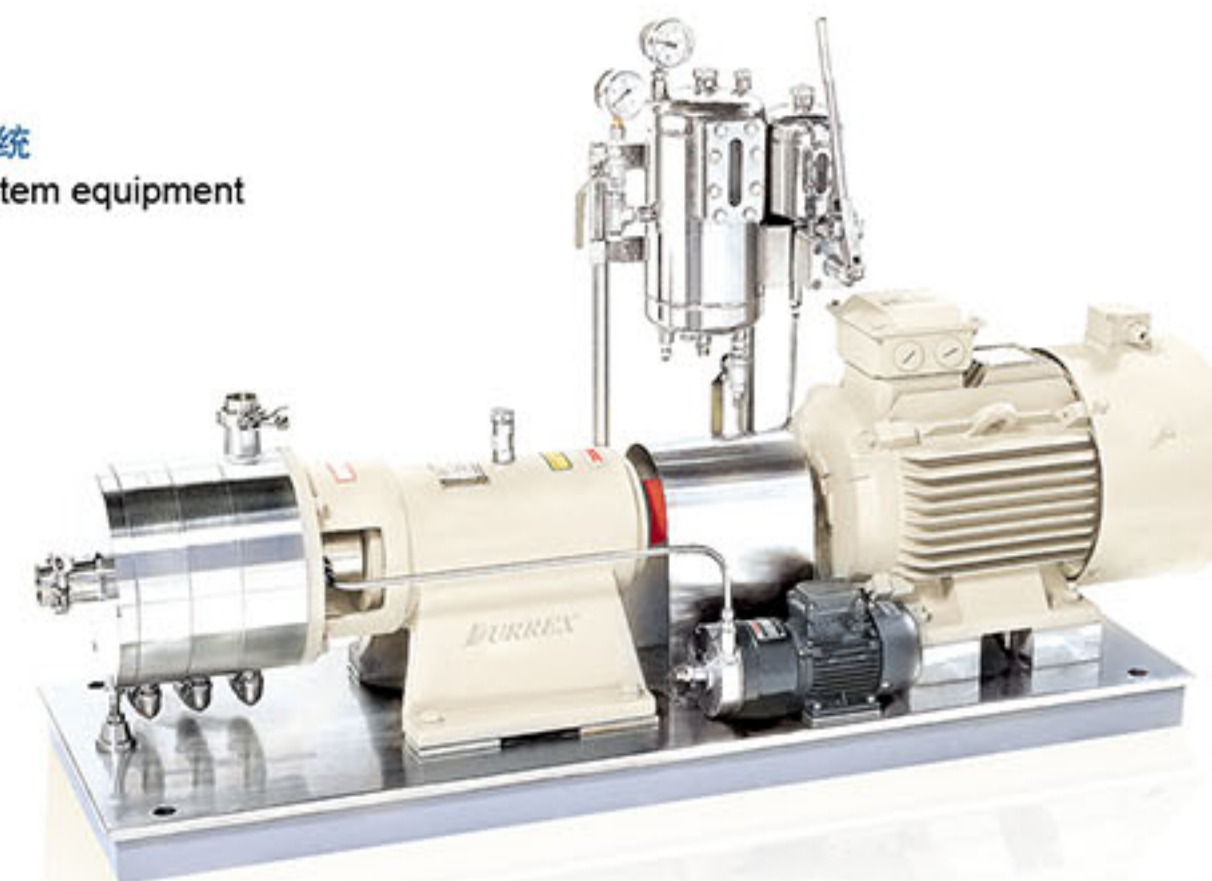
DHX3 homogeneous & emulsification pump are upgraded products of DHX1. They are for online sustained homogeneous and emulsion. Its working chamber comprises 3-stage, 12 layers of stators and rotators. The materials are dispersed, refined, emulsified step by step through the stators and rotators. They are high efficiency compound fine homogeneous pumps for dispersion, breaking, dissolution, refinery, disaggregation, homogenization, emulsion and transmission. The pumps can greatly simplify the traditional working procedures and raise the production efficiency and quality. They are ideal products used to replace colloid mills. The sealing of the product can be either double-side or single-side according to the properties of the materials used by the users. It also can have heat preservation or cooling devices if required by the users.

This product can be used in the cyclic processing of large & medium quantities.

DHX3 均质乳化泵

DHX3 Homogeneous & emulsification pump

④ 配置冷却系统 Cooling system equipment



技术参数表

Technical parameters

型号 Type	功率 (kw)	转速 (r/min)	流量 (m³/h)	出口 压力 (MPa)	D DN (mm)	E DN (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	A (mm)	B (mm)	C (mm)	H (mm)	n-d (mm)
DHX3-120B	7.5	2950	3	0.15	Φ50	Φ40	856	185	600	419	1171	447	403	220	399	4-Φ18
DHX3-140B	11	2950	5	0.2	Φ50	Φ40	1000	185	675	419	1296	510	466	240	419	4-Φ19
DHX3-165B	15	2950	10	0.3	Φ65	Φ50	1100	198	750	476	1451	570	466	242	454.5	4-Φ20
DHX3-185B	30	2950	15	0.4	Φ65	Φ50	1180	198	800	476	1574	570	526	280	492.5	4-Φ21
DHX3-200B	45	2950	20	0.5	Φ80	Φ65	1250	207	900	512	1696	630	580	327	564	4-Φ24
DHX3-220B	55	2950	30	0.5	Φ80	Φ65	1300	207	950	512	1812	670	620	358	595	4-Φ24
DHX3-240	90	2900	60	0.6	Φ100	Φ80	1200	194	1050	532	1708	550	490	545	260	4-Φ24
DHX3-260	132	2900	100	0.6	Φ125	Φ100	1500	327	1200	740	2090	700	620	768	438	4-Φ28
DHX3-300	75	1450	120	0.3	Φ125	Φ100	1500	327	1200	740	2090	700	620	768	438	4-Φ28

注：安装图请参考16页，以上安装尺寸仅供参考
 Notice: Please check the installation map in page 16, all installation size only for reference

DHB 均质乳化泵

DHB Homogeneous & emulsification pump

结构图

Structure scheme



产品介绍

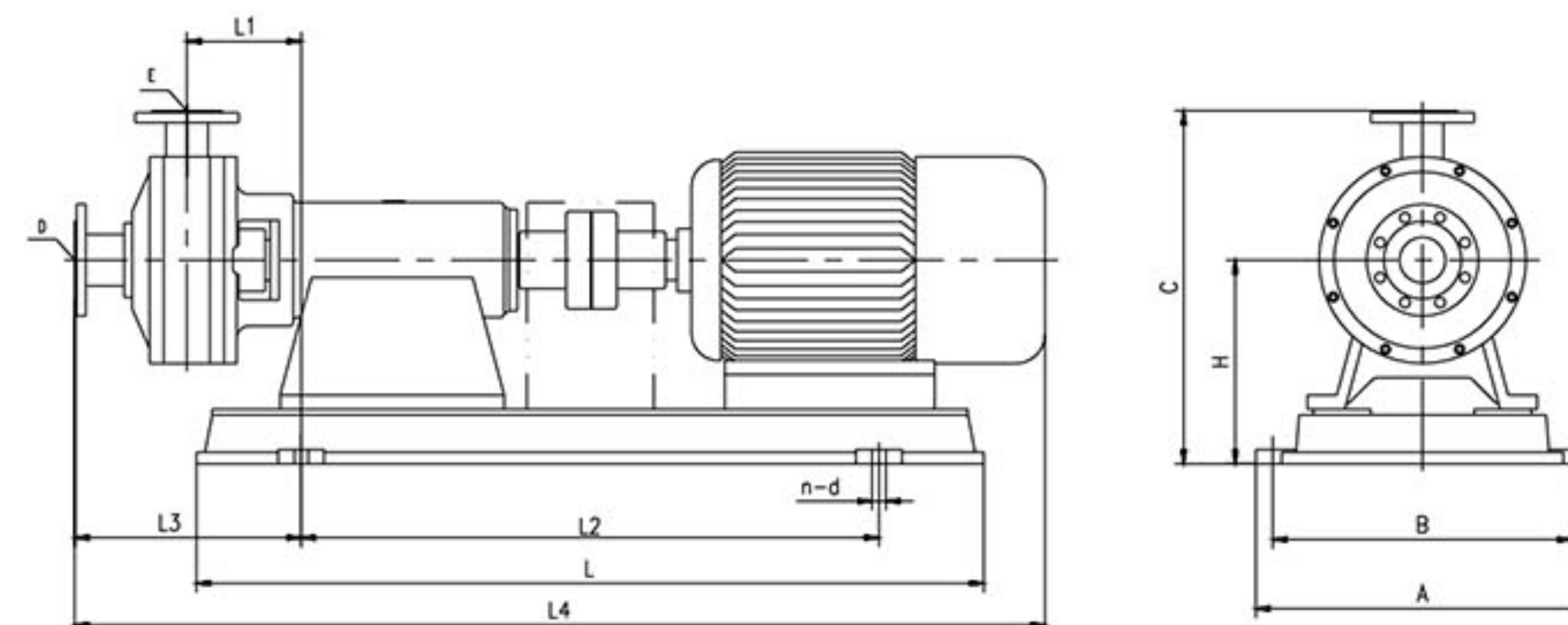
DHB 均质乳化泵由3~5层转子和定子组成，每层转子和定子的齿盘由粗到细，使原始粗细不一的颗粒物料能顺利进入泵腔内进行逐层破碎、分散、精细、均质、乳化。是一种集破碎、分散、解聚、混合、精细、均质、乳化、输送为一体的高性能超细均质泵，也是化工流程工艺中主要的混合均质设备。

Product profile

DHB homogeneous & emulsification pump comprise 3-5 layers of stators and rotators. The alveolus of each layer stator and rotator is from wide to slender, let original asymmetric size material to enter pump chamber to breaking, dispersion, refinery, homogenization, emulsion step by step. They are high-efficiency compound fine homogeneous pumps for breaking, dispersion, disaggregation, compound, refinery, homogenization, emulsion and transmission, it is also major compound homogeneous equipment in chemical working procedures.

安装图

Installation map



技术参数表

Technical parameters

型号 Type	功率 (kw)	转速 (r/min)	流量 (m³/h)	压力 (MPa)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	A (mm)	B (mm)	C (mm)	D DN (mm)	E DN (mm)	H (mm)	n-d (mm)
DHB10-140	7.5	2900	2	0.2	970	185	660	365	1450	450	390	500	50	40	260	4-Φ18
DHB15-160	11	2900	5	0.2	970	180	660	370	1500	450	390	500	50	40	280	4-Φ18
DHB20-180	18.5	2900	10	0.2	1130	195	745	385	1600	500	440	600	65	50	320	4-Φ24
DHB25-200	22	2900	15	0.2	1130	190	745	390	1650	500	440	600	65	50	320	4-Φ24
DHB20-260	30	2900	20	0.2	1370	205	1005	390	1700	580	520	615	80	65	355	4-Φ24
DHB25-260	37	2900	30	0.2	1370	199	1005	394	1750	580	520	615	80	65	355	4-Φ24
DHB35-260	75	2900	50	0.2	1500	210	1100	420	1800	600	500	620	100	80	360	4-Φ24
DHB30-300	110	2900	80	0.2	1650	220	1200	420	2000	750	650	640	125	100	380	4-Φ28
DHB35-300	132	2900	100	0.2	1800	240	1300	440	2100	850	750	660	125	100	400	4-Φ28
DHB40-300	160	2900	120	0.2	2000	260	1500	460	2200	850	750	680	150	125	420	4-Φ28

注：以上安装尺寸仅供参考
Notice: all installation size only for reference

DHC 均质混合泵

DHC Compound & homogeneous pump



产品简介

DHC 均质混合泵由多管混合头与混合泵组成，混合泵由2~5层的转子和定子组成，每层转子和定子的齿轮盘由粗到细，使原始各组不同成份的物料按比例要求在瞬间混合均质。该产品广泛应用于生产工艺流程中需要多种物料进行混合均质以及化工流程工艺中的中和混合。

使用该混合设备后，使原有的传统生产工艺进一步简化，生产效率大幅度提高，混合后的产品质量明显提高。

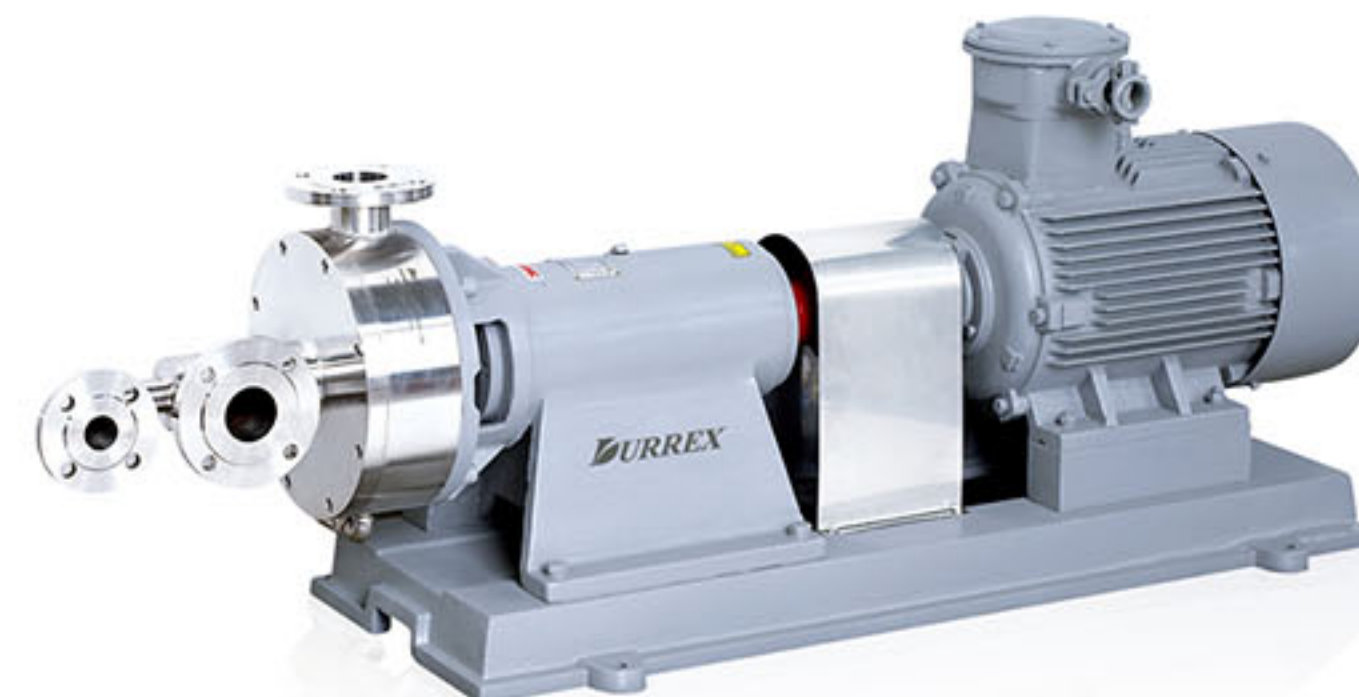
Product profile

DHC Compound homogeneous pump is consist of multi-pipe compound chamber and compound pump. This pump comprises 2 - 5layers of stators and rotators, the gear clearance of each layer stator and rotator is from wide to slender, let different raw material to compound and homogenize moment according to rate requirement. These products is used widely in neutralization admixture of multimaterial need to compound homogeneous and chemical industry process technics.

These serial products can greatly simplify the traditional production processes and upgrade the production efficiency and product quality.

DHC 均质混合泵

DHC Compound & homogeneous pump



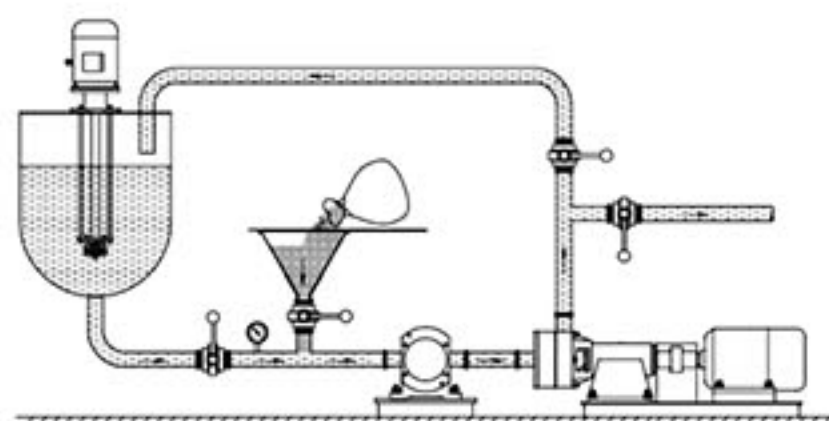
技术参数表

Technical parameters

型 号 Type	流 量 (m³/h) Flow	系统压力 (MPa) Pressure	转 速 (r/min) Rotation speed	功 率 (kw) Power	粘 度 (cp) Viscosity
DHC10-185	1-3	0.1-1.6	260-1400	2.2-4	1-200000
DHC20-185	3-6	0.1-1.6	260-1400	3-5.5	1-200000
DHC10-200	5-10	0.1-1.6	260-1400	3-7.5	1-200000
DHC20-200	10-15	0.1-1.6	260-1400	4-11	1-200000
DHC15-260	15-20	0.1-1.6	260-1400	5.5-15	1-200000
DHC25-260	20-30	0.1-1.6	260-1400	7.5-18.5	1-200000
DHC15-300	40-50	0.1-1.6	260-1400	11-30	1-200000
DHC30-300	50-80	0.1-1.6	260-1400	15-45	1-200000
DHC15-360	80-120	0.1-1.6	260-1400	22-55	1-200000
DHC30-360	120-160	0.1-1.6	260-1400	30-75	1-200000
DHC15-400	160-220	0.1-1.6	260-1400	55-90	1-200000
DHC30-400	220-250	0.1-1.6	260-1400	75-110	1-200000
DHC15-460	260-320	0.1-1.6	260-1400	90-132	1-200000
DHC30-460	320-350	0.1-1.6	260-1400	110-160	1-200000

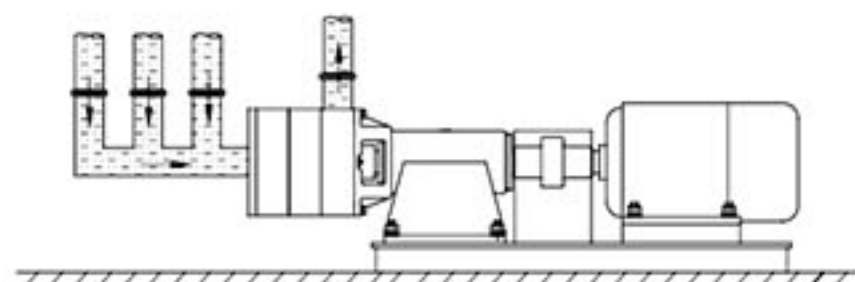
工艺流程图

Working procedures



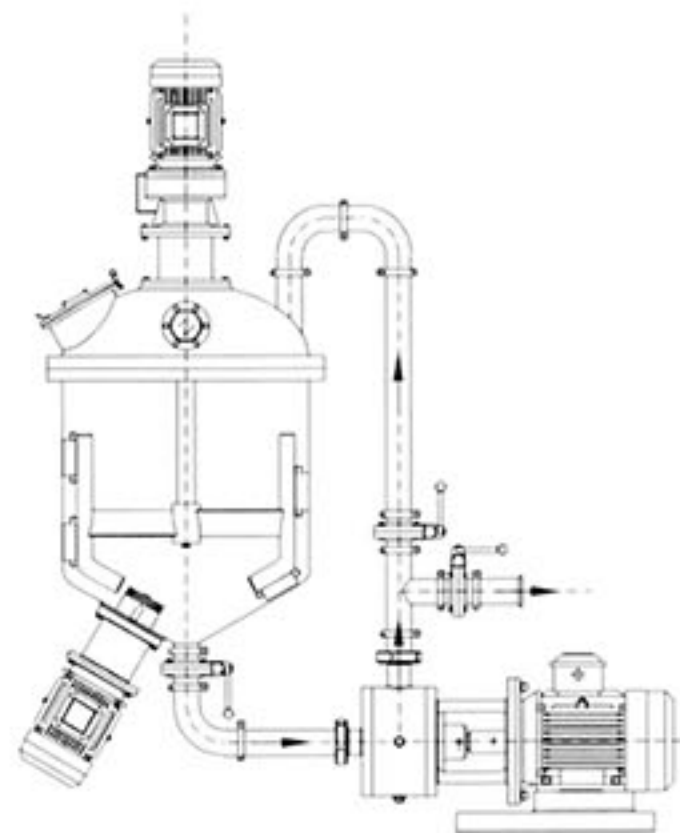
DHB 粉液混合均质工艺流程

Working procedures of DHB compound fine homogeneous pumps



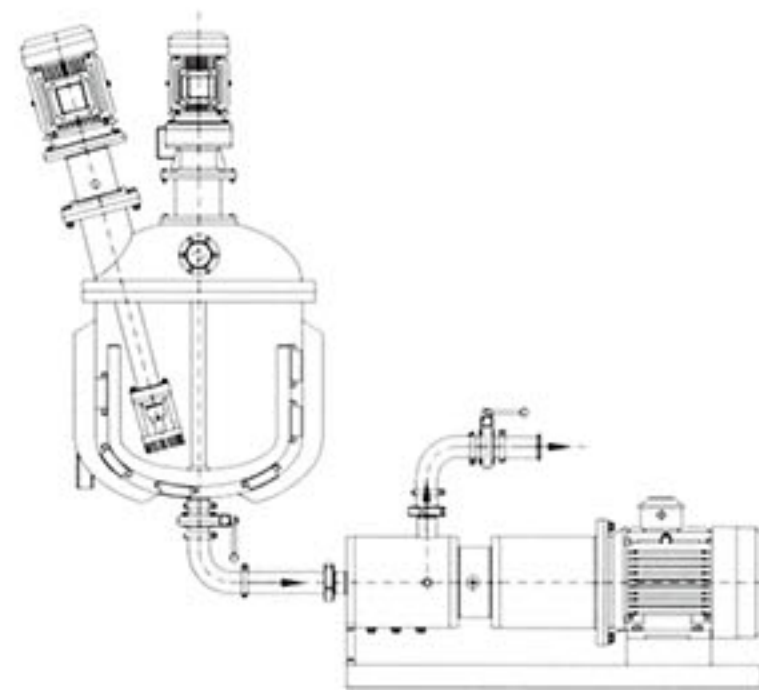
DHC 连续生产工艺流程

Sustained dispersion procedures of DHC compound fine homogeneous pumps



DHX1均质乳化泵与混合泵组合工艺流程

Combined working procedures of DHX1 homogeneous & emulsification pump and mixing pump



DHX3均质乳化泵与乳化机组合工艺流程

Combined working procedures of DHX3 homogeneous & emulsification pump and emulsifier

均质乳化泵、混合泵·选型指南

宁波得利时泵业有限公司

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 Http: //www.durrex-pump.com E-mail: nsg@durrex-pump.com nboffice@durrex-pump.com 地址: 宁波市鄞州经济开发区岐山路118号

客 户 资 料

公司名称: _____ 联系人: _____
 公司地址: _____ 邮 编: _____
 电 话: _____ 传 真: _____
 网 址: _____ E-mail: _____

- 输送介质: _____ 过流部件材料: _____
- 介质特性: 腐蚀性 ☐ 有毒 ☐ 卫生型 ☐
- 应用领域: 混合 ☐ 溶解 ☐ 分散 ☐ 精细 ☐ 乳化 ☐ 均质 ☐ 悬浮 ☐ 破碎 ☐ 解聚 ☐
- 物料配比 液相a _____ % 固相a _____ % PH值 _____ 粘度 _____ cP
- 及参数: 液相b _____ % 固相b _____ % PH值 _____ 粘度 _____ cP
- 工作方式: 间歇式 ☐ 连续 ☐
- 工作温度: (室温下) 正常 _____ °C 最高 _____ °C 最低 _____ °C
- 进料粒径 _____ mm 原始颗粒尺寸 _____ μm 细化要求 _____ μm
- 处理: 流量 _____ m³/h 变量: _____ m³/h 容器尺寸: _____
- 输送要求: 距离 _____ m 高度: _____ m 系统压力: _____ MPa
- 密封要求: 机械密封 ☐ 填料密封 ☐ 骨架密封 ☐
- 防爆等级: _____ 防护等级: _____ 变速要求: _____
- 进出口径: 进口内径 _____ 出口内径 _____
- 连接方式: 法兰式 ☐ 螺口式 ☐ 卡箍式 ☐
- 安装方式: 固定式 ☐ 移动式 ☐

现有工艺设备及存在问题: _____

注: 带⊗号为均质泵配置, 若有其它要求, 请与本公司联系, 由我公司销售工程师协助您选型。