

安全事项 Safety Precautions

使用前请仔细阅读使用说明书, 正确使用本公司产品。

Please read the instruction manual carefully before operating the machine and use the products correctly.

务必请专业电工进行电气方面的安装和调试。不正确的接线和安装会引起触电、火灾事故发生。

Be sure to ask a professional electrician for electrical installation and commissioning. Improper wiring and installation can cause electric shock and fire accidents.

禁止在不适用的工况环境里使用本公司产品, 否则会导致触电、火灾、故障等事故发生。

It is forbidden to use our products in unsuitable working conditions, otherwise it will cause electric shock, fire, malfunction and other accidents.

1、请与最近的代理商咨询样本中的有关内容。

Please consult the nearest agent for the relevant content in the sample.

2、样本中所列产品内容仅供参考, 如有变更将不另行通知, 敬请谅解。

The contents of the products listed in the sample are for reference only. Any changes are subject to change without notice. Please understand.

3、本公司保留对本样本内容的最终解释权。

The company reserves the right of final interpretation of the contents of this sample.

上海益顿机电设备有限公司

SHANGHAI EDON MECHANICAL&ELECTRICAL EQUIPMENT CO.,LTD.

上海市闵行区灯辉路1129弄4号厂房

18021058796

021-33881296, 64065586

FAX 021-64065586

INFO@EDONPUMP.COM

2408749901 & 2990481856

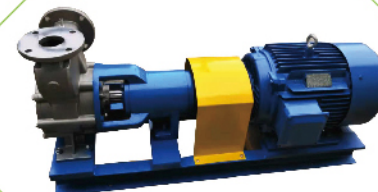
WWW.EDONJD.COM.CN



EDZO河道、池塘增氧机
EDZO river channel, pond aerator



EDS&EDLS耐腐蚀高性能旋涡泵
EDS&EDLS corrosion resistant high performance vortex pump



EDQLS系列气液混合泵
EDQLS series gas-liquid mixing pump



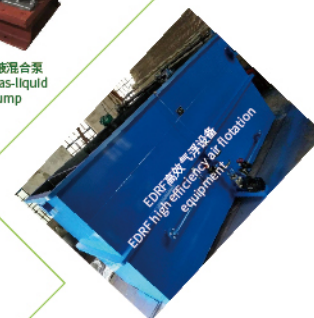
EDQS系列气液混合泵
EDQS series gas-liquid mixing pump



EDCY臭氧水消毒机
EDCY ozone water disinfection machine



EDW微纳米气泡发生器
EDW micro-nano bubble generator



EDBR高效气浮设备
EDBR high efficiency flotation equipment



溶气泵 / 旋涡泵 / 气液混合泵
专业生产厂家

上海益顿机电设备有限公司

SHANGHAI EDON MECHANICAL&ELECTRICAL EQUIPMENT CO.,LTD.



COMPANY PROFILE

公司简介



上海益顿机电设备有限公司位于上海市闵行区,自成立以来经过不断努力,为广大客户提供了满意的服务和优质的产品;重诺诚信、服务至上与客户保持长期合作;为您提供放心、满意、最佳的专业技术服务。公司的经营理念是“诚信第一、质量第一、服务第一”。

Shanghai Edon Mechanical & Electrical Equipment Co., Ltd. is located in Minhang District, Shanghai. Since its establishment, it has been providing continuous service and satisfactory products and quality products. We will continue to cooperate with customers for long-term cooperation and provide customers with convenient, satisfying, best professional technical service. Our company's operating philosophy is "integrity first, quality first, service first".

我公司生产的主要产品是“益顿”漩涡泵(气液混合泵)、循环泵、以及各种微气泡处理系统,主要用于气浮、臭氧水制取、富氧水、富氢水制取、曝气、清洗机、锅炉给水、循环液输送、热油循环、农业、工程配套等。并在涡流泵行业突破了各种技术难题,大幅提高了涡流泵的效率。另外,我司也在开发各种特种泵应用于不同的特种行业以及特种泵组成的特殊系统,以满足不同客户的特别需求。

The main products produced by our company are “Edon” vortex pump (gas-liquid mixing pump), circulation pump, and various micro-bubble treatment systems, mainly used for air flotation, ozone water preparation, oxygen-enriched water, hydrogen-rich water system, aeration, washing machine, boiler feed water, circulating fluid transportation, hot oil circulation, agriculture, engineering support, etc. And in the vortex pump industry have we broken through various technical problems, greatly improving the efficiency of the vortex pump. In addition, we are also developing special pumps for different special industries and special pumps to meet the special needs of different customers.

“益顿漩涡泵”具有结构简单、噪音低、无金属摩擦、搅拌与混合能力、带自吸功能等特点,是气液混合和液液混合工艺的第一选择。该泵分为EDS系列(用于特殊行业不锈钢涡流泵)、EDQS系列(用于普通行业的不锈钢涡流泵),可配套防爆电机或单相电机,满足不同客户的需求。

"Edon vortex pump" has the characteristics of simple structure, low noise, no metal friction, stirring and mixing ability, self-priming function, etc. It is the first choice for gas-liquid mixing and liquid-liquid mixing process. The pump is divided into EDS series (for special industry stainless steel vortex pump), EDQS series (for stainless steel vortex pump for general industry), and can be equipped with explosion-proof motor or single-phase motor to meet the needs of different customers.

我司还可以根据客户的需求来设计定制各种特种泵,以及各种特种小型系统,如臭氧水消毒机、微纳米气泡清洗机、小型除气泡真空系统、河道增氧系统、养殖增氧系统、微型计量系统等来满足客户的特殊需求。

Our company can also design and customize various special pumps according to customers' needs, as well as various special small systems, such as ozone water disinfection machine, micro-nano bubble cleaning machine, small de-foaming vacuum system, river aeration system, breeding aeration system. , micro-metering systems, etc. to meet the special needs of customers.

本公司产品遍销全国各地,同时也有国外广大配套客户。公司宗旨“质量第一、诚信第一”,以精益求精的精神把产品和企业推向一个又一个新台阶,更好的为广大新老客户服务!

Our customers are from both home and abroad. Our company aims to "quality first, integrity first", in the spirit of excellence to push products and enterprises to a new level, better for the new and old customers!

精益求精、脚踏实地、挑战未来、勇攀高峰

Keep improving, down-to-earth, challenge the future, and climb the peak

立足于气液混合两相流的开发与应用

Determined to explore and develop the applications of gas-liquid two-phase mixture

Contents

产品目录

旋涡泵的工作原理及特点

Working principle and characteristics of vortex pump

产品型号及应用领域

Product model and application field

选型指南

Selection Guide

EDQS系列

EDQS Series

EDQLS系列

EDQLS Series

EDSF高效释放器

EDSF high efficiency releaser

气液混合泵配套配件

Gas-liquid mixing pump accessory parts

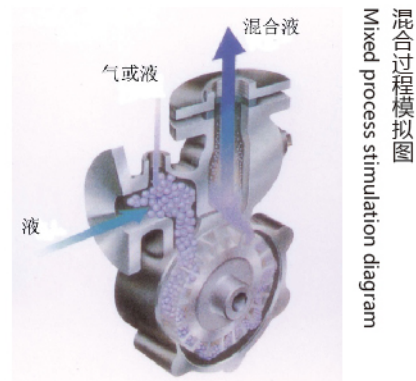
安装注意事项

Installation Precautions

工作原理 WORKING PRINCIPLE

液体从泵的吸入口被吸进泵腔后,通过高速旋转的半开式齿型叶轮沿泵腔流道进行混合加压,形成高压旋涡流后被强制排出。系统配有独特的气液分离结构,在排出口形成气液分离膜,能够不断地把气体从液体中分离出来,并排出腔体,保持高效稳定的运行。泵轴和叶轮按照严格的加工工艺加工而成,装配后自成一體,无叶轮摆动现象,无任何机械摩擦且保证叶轮在泵腔内高速平稳的旋转,出口压力恒定无脉冲。

After the liquid is sucked into the pump chamber from the suction port of the pump, the semi-opening toothed impeller that rotates at a high speed will mix and pressurize the mixture of water and gas along the flow path of the pump chamber to form a high-pressure vortex flow. Then the mixture of gas and liquid will be forcibly discharged. The system is equipped with a unique gas-liquid separation structure, which forms a gas-liquid separation membrane at the discharge port and can continuously separate the gas from the liquid and discharge the cavity to maintain efficient and stable operation. The pump shaft and impeller are machined according to strict processing technology. After assembly, the machine will operate without impeller swinging phenomenon, without any mechanical friction and ensuring high-speed and smooth rotation of the impeller in the pump chamber. The outlet pressure is constant without pulse.



混合效果示意图 Mixing effect diagram

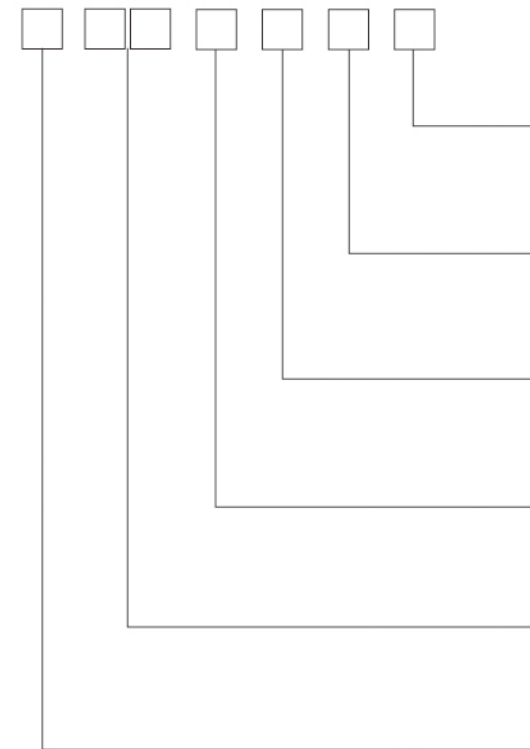
气液混合泵特点 FEATURES OF GAS-LIQUID MIXING PUMP

- ◆结构简单,精巧实用,部件少,经久耐用,易于维护,无需定期保养。
◆ Simple in structure, compact and practical, with few components, durable, easy to maintain, no need for regular maintenance.
- ◆小流量、高压、体积小、安装方便、操作简单、应用范围广。
◆ Small flow, high pressure, small size, easy installation, simple operation and wide application range.
- ◆可自由控制流量无需旁路设计,降低初期投资和运行成本。
◆ Free control of flow without bypass design, reducing initial investment and operating costs.
- ◆泵腔内无机械摩擦,即使液体内有细小颗粒也不会轻易发生故障。
◆ There is no mechanical friction in the pump chamber, and even if there are fine particles in the liquid, it will not easily malfunction.
- ◆可以边吸水边吸气,泵内自动加压混合,气液溶解效果好,可产生20-30微米的气泡。
◆ It can inhale while sucking water, and automatically pressurize and mix the gas and liquid in the pump. The gas-liquid dissolving effect is good, and bubbles of 20-30 microns can be generated.



- ◆性能稳定、效率高、噪音低,与传统方式相比气液溶解效率倍增。
◆ The performance is stable, the efficiency is high, the noise is low, and the gas-liquid dissolution efficiency is doubled compared with the conventional method.
- ◆用于气浮装置可省略空气压缩机、混合器、高压溶气罐以及释放器等,并能克服传统方式供气不稳以及大气泡翻腾的问题。
◆ For the air flotation device, the air compressor, the mixer, the high-pressure dissolved gas tank, the release device, and the like can be omitted, and the problem of the gas supply instability and the large bubble tumbling in the conventional manner also can be overcome.
- ◆臭氧水制取装置可省略各种混合器、大型氧化塔等,大幅降低设备造价,气液溶解率95%以上。
◆ The ozone water preparation device can omit various mixers, large oxidation towers, etc., and greatly reduce the equipment cost, and the gas-liquid dissolution rate is over 95%.
- ◆可以把两种难以溶解的液体通过高速物理搅拌方式进行匀和反应。
◆ Two kinds of insoluble liquids can be homogenized by high-speed physical stirring.

产品型号介绍 MODEL INTRODUCTION



特殊要求

电机相数

电机功率

连接类型

系列号

进口直径

进口直径(Inlet Diameter)

进口直径系列标准(Diameters of Inlet of Different Models):
15、20、25、32、40、50、65、80

相对应的出口标准(Diameters of Outlet of Different Models):
10、15、20、25、32、40、50、65

系列号 (Series Number)

ED、EDQ、EDW按照不同的用途来分类
ED、EDQ、EDW classified by different applications.

联接类型 (Connection Type)

普通螺纹联接、F-法兰连接、L-联轴器型、C-磁力驱动型
Normal threaded connection, F-flange connection, L-coupling connection, C-magnetic drive type

电机功率(motor power)

04:0.55 KW; 07:0.75 KW; 11:1.1 KW; 15:1.5 KW;
22:2.6KW;30:3KW;55:5.5KW;75:7.5KW;110:11KW;150:15KW;185:18.5KW;220:22KW;300:30KW

电机相数或防爆类型(Motor classification)

S-三相;D-单相;B-防爆
S-Three Phase、D-Single Phase、B-anti explosion

特殊要求 (Special requirement)

根据客户的需求特殊定制,如材质、机封类型、电机参数等
We can customize the machine according to our customer's material, type of mechanical seal and motor's parameters.





应用领域 APPLICATION

气液混合 GAS-LIQUID MIXING

臭氧水高浓度制取
High density of zone water preparation
富氧水高浓度制取
High-density oxygen-enriched water preparation
氩水高浓度制取
High-density hydrogen water preparation
加压气浮分离机配套
Pressurized dissolved air flotation system
吸收音波、超声波、阻导液等目的液的制取
Absorbing liquids such as sonic waves, ultrasonic waves, and conductivity-control liquids
河道、池塘、黑臭水体等增氧除臭
Aeration for river channel, pond and

气液置换(把有害或不要的气体、液体分离排除)
Gas-liquid displacement (separation of harmful or unwanted gases and liquids)
高级微纳米牛奶浴保健
Advanced micro-nano milk bath health care
高密度养殖增氧
High-density aquaculture
冶金矿业选矿
Metallurgical mining
水耕栽培溶液供氧
Hydroponic cultivation solution for oxygen supply

异液混合 LIQUID AND LIQUID MIXTURE

不同液体的高效均匀搅拌与混合
Efficient and uniform mixing and mixing of different liquids
药剂液的高效制取
Efficient preparation of pharmaceutical liquid

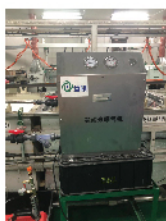
化学液的自动稀释
Automatic dilution of chemical liquid
制取含有难溶解的高分子凝结剂的处理液
Preparation of a treatment liquid containing a difficult-to-dissolve polymer coagulant

高压、高温、低粘度、临界沸点、含有细颗粒的液体循环输送等

HIGH PRESSURE, HIGH TEMPERATURE, LOW VISCOSITY, CRITICAL BOILING POINT, LIQUID CIRCULATION WITH FINE PARTICLES, ETC.

高压、小流量用途的介质输送
Medium conveying for high pressure and low flow applications
低气蚀等苛刻条件下的高压输送
High pressure conveying under severe conditions such as low cavitation
高中低压清水、热水、冷热媒等循环输送
High, medium and low pressure water, hot water, hot and cold medium, etc.

液化气、氨水等易挥发、低粘度液体的抽吸输送
Suction and transportation of volatile, low-viscosity liquids such as liquefied gas and ammonia
油路、水路冷却循环
Oil and water cooling cycle



应用领域 APPLICATION

环保、农业、畜牧、养殖等行业设备配套使用 SUPPORTING EQUIPMENT FOR ENVIRONMENTAL PROTECTION, AGRICULTURE, ANIMAL HUSBANDRY, AQUACULTURE AND OTHER INDUSTRIES

配套污水处理系统中的气浮装置
Air flotation device in supporting sewage treatment system
配套臭氧水的除臭杀菌装置
Ozone deodorizing and sterilizing device
配套建筑楼宇的水箱、水塔、水管等杀菌消毒
Sterilization of water tanks, water towers, water pipes, etc. of supporting buildings
配套湖泊、温泉、泳池、养鱼塘消毒除臭及净化系统
Supporting lakes, hot springs, swimming pools, fish ponds, disinfection and deodorization and purification systems

水厂、小区、工厂水质消毒净化系统
Water plant, community, factory water disinfection and purification system
油水分离系统(油田、餐饮、船舶、生活区等)
Oil-water separation system (oil field, catering, ship, living area, etc.)
各种喷雾系统
Various spray systems

医疗卫生、生物工程、食品、半导体设备配套 HEALTH CARE, BIOENGINEERING, FOOD, SEMICONDUCTOR EQUIPMENT

配套脱水、脱色、脱臭、脱气系统
Supporting dehydration, decolorization, deodorization, degassing system
配套生鲜食品杀菌消毒保鲜系统
Supporting fresh food sterilization and preservation system
医药、食品行业的容器皿及器械消毒系统
Container and instrument disinfection system for medicine and food industry

化工厂、电厂、水泥厂、油漆厂、木材厂等环保系统

ENVIRONMENTAL PROTECTION SYSTEMS SUCH AS CHEMICAL PLANTS, POWER PLANTS, CEMENT PLANTS, PAINT FACTORIES, AND LUMBER FACTORIES

VOC有机废气的处理
VOC organic waste gas treatment
工厂粉尘的高效降解
Efficient degradation of factory dust
降低COD\BOD及漂白脱色
Reduce COD\BOD and bleach bleaching

分离浮游物
Separation of floats
柔性物质物料的清洗清洁
Cleaning and cleaning of flexible materials
纸厂纸纤维等各种浮游物回收系统
Various float recovery systems such as paper mills

工业系统配套 INDUSTRIAL SYSTEM SUPPORT

激光设备焊接设备冷却循环
Laser equipment welding equipment cooling cycle
清洗滤布脱水系统
Cleaning filter cloth dewatering system
水压切纸机
Hydraulic paper cutter
机床切屑液过滤系统
Machine tool cutting fluid filtration system
膜处理系统
Membrane processing system

超声波清洗设备(碳氢化合物、热油、脱气等)
Ultrasonic cleaning equipment (hydrocarbons, hot oil, degassing, etc.)
蒸馏系统
Distillation system
高压冲洗系统
High pressure flushing system
实验室取样设备等
Laboratory sampling equipment, etc.



选型指南

SELECTION GUIDE

- ◆ 流量选择: 从0.5m³/h---60m³/h共8款泵型可供选择。
Flow selection: 8 pump types from 0.5m³/h---60m³/h
- ◆ 材质选择: 304SS, 316SS, 316L, 双相不锈钢, 钛合金
Material selection: 304SS, 316SS, 316L, duplex stainless steel, titanium alloy
- ◆ 机封选择: 碳化硅、无压烧结碳化硅、陶瓷、聚四氟乙烯、氟橡胶、也可定制双端面机封带冲洗系统。
Machine seal selection: silicon carbide, pressureless sintered silicon carbide, ceramic, PTFE, fluoro rubber, can also be customized double-face machine sealing and rinsing system.
- ◆ 结构选择: 分为一体式和联轴器式。
Structure selection: closed couple type and coupling type.
- ◆ 选型须知: 为了能提供给客户完全适合需求的产品, 在订购前请确认以下事项:
Selection instructions: In order to provide customers with products that are perfectly suited to their needs, please confirm the following before ordering:

序号 SN	项目 Item	内容 Description
1	应用 Application	所用行业、区域等;是否涉及防爆区 Industries, regions, etc. used; whether it involves explosion-proof areas
2	介质 Medium	按种类、黏度、温度、酸碱度、杂质含量等填写 Fill in by type, viscosity, temperature, pH, impurity content, etc.
3	泵的规格 Specification	扬程、流量 Head, flow
4	电机规格 Motor Specification	功率、电压、频率、相数、等级等 Power, voltage, frequency, phase, grade, etc.
5	连接方式 Connection method	法兰连接、螺纹连接 Flange connection, threaded connection
6	其它 other	噪音、铭牌、振动等 Noise, nameplate, vibration, etc.

了解工况后, 请根据性能曲线选择合适的泵型, 性能曲线是在20℃清水正常流速的状态下测试生成的, 所以选型时务必要考虑液体的比重、黏度、密度不同而产生的变化; 泵的特性受连接配管的影响很大, 连接管道时过长或接头过多会使扬程的损失很大, 所以在设计管路时, 尽可能的减少连接管的长度和接头的使用。

After understanding the working conditions, please select the appropriate pump type according to the performance curve. The performance curve is tested under the condition of 20 °C normal water flow rate. Therefore, it is necessary to consider the changes in the specific gravity, viscosity and density of the liquid when selecting the type; The characteristics of the pump are greatly affected by the connecting piping. If the piping is too long or the joints are too much, the loss of the head will be large. Therefore, when designing the piping, the length of the connecting pipe and the use of the joint should be reduced as much as possible.

总扬程=全扬程(吸入扬程+输出扬程)+损失扬程

Total lift = all lift (inhalation lift + output lift) + loss lift

1. 本产品目录的性能预想曲线是以水为准, 即黏度=1mm²/s, 比重=1。

The performance prediction curve of this catalogue is based on water, ie viscosity=1mm²/s, specific gravity=1.

2. 实际全扬程=吸入扬程+输出扬程。

Actual full lift = suction head + output head.

3. 曲线中最高扬程为电机的动力超载界限, 长期超压运行会造成电机烧坏。

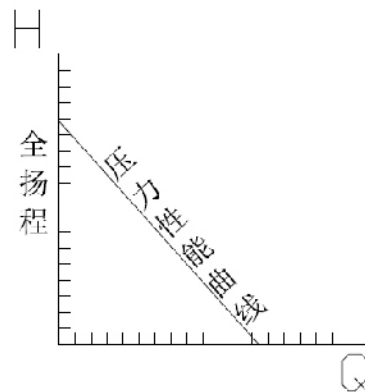
The highest lift in the curve is the power overload limit of the motor. Long-term overload operation will cause the motor to burn out.

弯管接头等管损非常大, 所以尽量减少使用弯管接头, 特别是直角弯头, 在管路的设计上应注意以下事项:

1. 尽可能缩短吸入管路, 使泵靠近液面, 以减少泵在吸程上的阻抗。
2. 在泵的吸入管路上不能布置凸起管路, 这样会产生气阻, 使泵空转, 吸不上水甚至烧坏机械密封。
3. 泵的入口管路的管径应大于或等于泵的吸入口径。
4. 在泵的进出口应安装阀门, 以便利与泵的维护和检修。
5. 在泵开始运行时, 入口应安装过滤器, 待液体变清后过滤器可以撤掉, 这样会保证泵的吸入口的通畅。

Tube damage such as elbow joints is very serious, so try to reduce the use of elbow joints, especially right angle elbows. Pay attention to the following items in the design of pipelines:

1. Shorten the suction line as much as possible to bring the pump close to the liquid level to reduce the impedance of the pump during the suction stroke.
2. No protruding pipelines can be arranged on the suction line of the pump. This will create a gas resistance, causing the pump to idle, not sucking water or even burning the mechanical seal.
3. The diameter of the inlet pipe of the pump should be greater than or equal to the suction diameter of the pump.
4. Valves should be installed at the inlet and outlet of the pump to facilitate maintenance and overhaul of the pump.
5. When the pump starts to run, the inlet should be equipped with a filter. After the liquid is cleared, the filter can be removed, which will ensure the smoothness of the suction port of the pump.

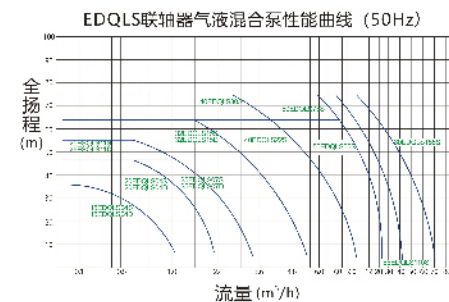


EDQS系列

EDQS SERIES

- ◆ 结构特点: 泵直接装在电机法兰上, 机泵一体型, 结构紧凑, 节省安装空间。
Structural features: The pump is directly mounted on the motor flange. The pump is integrated and compact, saving installation space.
- ◆ 自吸达4米 (20℃清水) (在泵腔内有水的条件下)
Self-priming up to 4 meters (20 °C water) (with water in the pump chamber)
- ◆ 过流部件为304SS不锈钢 (如需其它材质请注明)
The wetted parts are 304SS stainless steel (please specify if other materials are required)
- ◆ 机械密封: 无压烧结碳化硅/碳化硅/氟橡胶
Mechanical seal: pressureless sintered silicon carbide / silicon carbide / fluoro rubber
- ◆ 用介质: 水、低黏度油、化学液体、冷媒、溶剂等
Applicable medium: water, low viscosity oil, chemical liquid, refrigerant, solvent, etc.
- ◆ 使用条件: 适用场所内无易爆易腐蚀的气体及蒸汽的屋内
Conditions of use: In the house where there is no explosive and corrosive gas and steam in the house
- ◆ 环境温度: -15℃~+40℃ 相对湿度Max90%, 海拔1000米以下
Ambient temperature: -15°C~+40°C Relative humidity Max90%, altitude below 1000 meters
- ◆ 介质温度: -30℃~+90℃ (如需更高温度请注明)
Medium temperature: -30 °C ~ +90 °C (if you need higher temperature, please specify)

性能曲线图 PERFORMANCE GRAPH

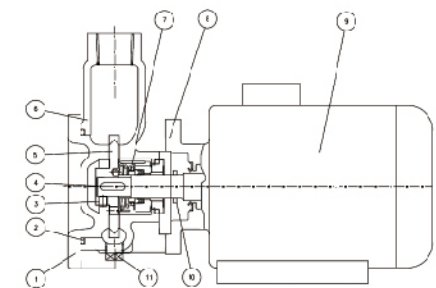


如采用60Hz的电机, 流量会增大20%。 If a 60Hz motor is used, the flow rate will increase by 20%.

标准配件材质表 STANDARD ACCESSORIES MATERIAL TABLE

序号 SL	名称 Description	数量 Quantity	材质 Material	备注 Remark
1	泵盖 pump cover	1	304SS	
2	O型圈 O-ring	1	FRM	
3	紧定螺丝 setting screw	2	316SS	
4	键和轴 key&shaft	1	304SS	
5	叶轮 impeller	1	304SS	
6	泵体 pump body	1	304SS	
7	机械密封 mechanical seal	1	无压碳化硅/碳化硅/氟橡胶 Pressureless silicon carbide / t silicon carbide / fluoro rubber	
8	电机法兰 Motor flange	1	cast iron	
9	电机 Motor	1	铝壳或铁壳 Aluminum or iron shell	
10	挡水环 Water retaining ring	1	NBR	
11	排水堵头 Drain plug	1	304SS	

结构图 STRUCTURE DIAGRAM



EDQS系列 >>>

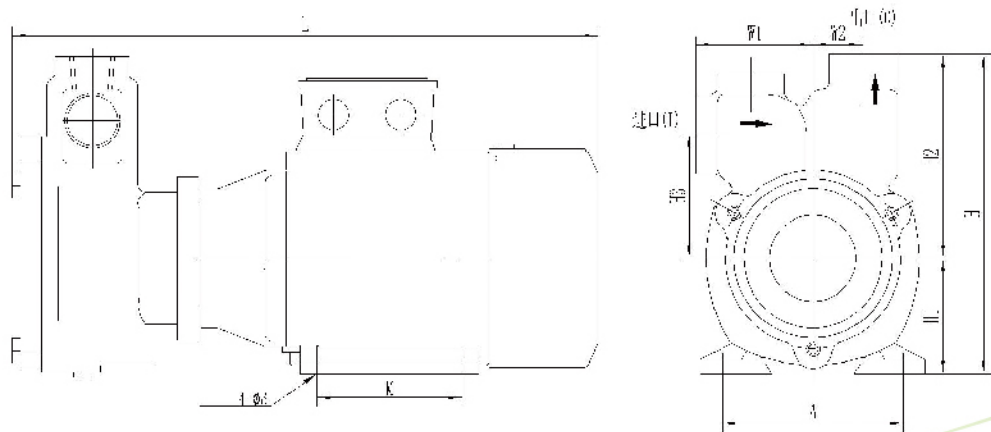
EDQS SERIES

>>>> 选型参数表/ SELECTION PARAMETER LIST

电机一体式型号 (不带联轴器) Closed Couple Type	流量 Flow Rate m³/h	扬程 Head m	转速 Rotation Speed/rpm	材质 Material	电机功率 KW Power KW	备注 Remark
15EDQS04S	0.3	30	2900	304SS	三相 three phases0.55	机械密封 Mechanical Seal
15EDQS04D	0.3	30	2900	304SS	单相 single phase0.55	机械密封 Mechanical Seal
20EDQS04S	1.0	40	2900	304SS	三相 three phases0.55	机械密封 Mechanical Seal
20EDQS04D	1.0	40	2900	304SS	单相 single phase0.55	机械密封 Mechanical Seal
20EDQS04B	1.0	40	2900	304SS	防爆 explosion proof0.55	机械密封 Mechanical Seal
25EDQS07S	2.0	40	2900	304SS	三相 three phases0.75	机械密封 Mechanical Seal
25EDQS07D	2.0	40	2900	304SS	单相 single phase0.75	机械密封 Mechanical Seal
25EDQS11S	2.0	40	2900	304SS	三相 three phases1.1	机械密封 Mechanical Seal
25EDQS11B	2.0	40	2900	304SS	防爆 explosion proof1.1	机械密封 Mechanical Seal
32EDQS15S	3.5	40	2900	304SS	三相 three phases1.5	机械密封 Mechanical Seal
40EDQS22S	6.0	40	2900	304SS	三相 three phases2.2	机械密封 Mechanical Seal
40EDQS30S	6.0	40	2900	304SS	三相 three phases3.0	机械密封 Mechanical Seal
50EDQS55S	12	40	2900	304SS	三相 three phases5.5	机械密封 Mechanical Seal
50EDQS75S	12	40	2900	304SS	三相 three phases7.5	机械密封 Mechanical Seal
65EDQS110S	25	40	1450	304SS	三相 three phases11	机械密封 Mechanical Seal
80EDQS185S	55	40	1450	304SS	三相 three phases18.5	机械密封 Mechanical Seal

备注:如需要316SS、316L、双相钢、钛材等材质, 请来电咨询!
Remarks: If you need 316SS, 316L, duplex steel, titanium and other materials, please contact us!

>>>> 外形图 OUTLINE



EDQS系列 >>>

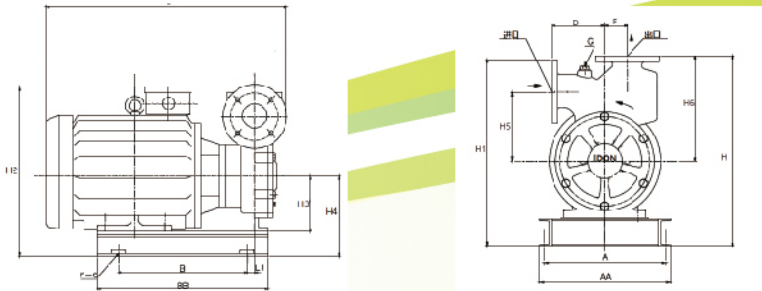
EDQS SERIES

>>>> 外形尺寸表 DIMENSIONS

型号 Model	功率 Power (Kw)	I	O	H1	A	M	d	L	W1	W2	H3	H2	H	重量Weight (Kg)	噪声 Noise (Db)
15EDQS04S	0.55	Rc1/2	Rc3/8	71	100	90	8	300	45	21	52	79	150	10	59
15EDQS04D	0.55	Rc1/2	Rc3/8	71	100	90	8	300	45	21	52	79	150	10	59
15EDQS04B	0.55	Rc1/2	Rc3/8	71	100	90	8	300	45	21	52	79	150	10	59
20EDQS04S	0.55	Rc3/4	Rc1/2	71	112	90	8	310	50	25	63	99	170	12	61
20EDQS04D	0.55	Rc3/4	Rc1/2	71	112	90	8	310	50	25	63	99	170	12	61
20EDQS04B	0.55	Rc3/4	Rc1/2	71	112	90	8	310	50	25	63	99	170	12	61
25EDQS07S	0.7	Rc1	Rc3/4	80	125	100	9	335	60	28	70	110	190	16	63
25EDQS07D	0.7	Rc1	Rc3/4	80	125	100	9	335	60	28	70	110	190	16	63
25EDQS11S	1.1	Rc1	Rc3/4	80	125	100	9	335	60	28	70	110	190	16	63
25EDQS11B	1.1	Rc1	Rc3/4	80	125	100	9	335	60	28	70	110	190	16	63
32EDQS15S	1.5	Rc11/4	Rc1	90	140	125	10	390	65	35	80	125	215	20	65
32EDQS15D	1.5	Rc11/4	Rc1	90	140	125	10	390	65	35	80	125	215	20	65
40EDQS22S	2.2	Rc11/2	Rc11/4	90	140	125	10	400	70	40	85	135	225	22	65
40EDQS30S	3.0	Rc11/2	Rc11/4	90	140	125	10	450	70	40	85	135	225	25	65
50EDQS55S	5.5	DN50	DN40	135	210	140	12	515	112	45	106	195	330	78	65
50EDQS75S	7.5	DN50	DN40	135	210	140	12	515	112	45	106	195	330	80	65

备注:50EDQS55S和50EDQS75S泵进出口为法兰接口。
Remarks: 50EDQS55S and 50EDQS75S pump inlet and outlet are flange interfaces.

>>>> 一体式65EDQS110S和80EDQS185S泵外形尺寸图
Dimensional drawing of the integrated 65EDQS110S and 80EDQS185S pumps



型号 Model	功率 Power KW	进口 Inlet	出口 Outlet	L	H	A	B	H5	H4	重量 Weight	噪音 noise
65EDQS110S	11	DN65	DN50	750	520	360	410	170	255	200	70
80EDQS185S	18.5	DN80	DN65	850	575	380	550	180	275	280	70

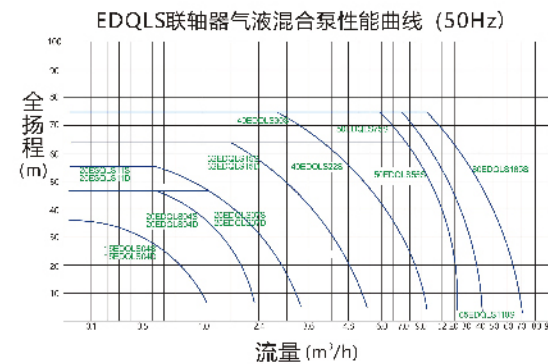


EDQLS系列 >>>

EDQLS SERIES

- ◆ 结构特点: 联轴器型、结构牢固、维修方便、适合工程用; 过流部件为304SS不锈钢(如需其它材质请注明); 机械密封: 无压烧结碳化硅/碳化硅/氟橡胶
Feature: Coupling type, firm structure, easy maintenance, suitable for engineering; The flow-through parts are 304SS stainless steel (please specify if other materials are required); Mechanical seal: pressureless sintered silicon carbide / silicon carbide / fluoro rubber
- ◆ 使用条件: 适用场所内无易爆易腐蚀的气体及蒸汽的屋内
Conditions of use: In the house where there is no explosive and corrosive gas and steam in the house
- ◆ 环境温度: -15°C~+40°C 相对湿度Max90%, 海拔1000米以下
Ambient temperature: -15°C~+40°C Relative humidity Max90%, altitude below 1000 meters
- ◆ 介质温度: -30°C~+90°C (如需更高温度请注明)
Medium temperature: -30°C~+90°C (if you need higher temperature, please specify)
- ◆ 适用介质: 水、低黏度油、化学液体、冷媒、溶剂等
Applicable medium: water, low viscosity oil, chemical liquid, refrigerant, solvent, etc.

>>> 性能曲线图 PERFORMANCE GRAPH



如采用60Hz的电机, 流量会增大20%。
If a 60Hz motor is used, the flow rate will increase by 20%.

>>> 选型参数表/ SELECTION PARAMETER LIST

电机一体式型号 (不带联轴器) Closed Couple Type	流量 Flow Rate m³/h	扬程 Head m	转速 Rotation Speed/rpm	材质 Material	电机功率 KW Power KW	备注 Remark
15EDQLS04S	0.3	30	2900	304SS	三相 three phases0.55	机械密封 Mechanical Seal
15EDQLS04D	0.3	30	2900	304SS	单相 single phase0.55	机械密封 Mechanical Seal
15EDQLS04B	0.3	30	2900	304SS	防爆 explosion proof0.55	机械密封 Mechanical Seal
20EDQLS04S	1.0	40	2900	304SS	三相 three phases0.55	机械密封 Mechanical Seal
20EDQLS04D	1.0	40	2900	304SS	单相 single phase0.55	机械密封 Mechanical Seal
20EDQLS04B	1.0	40	2900	304SS	防爆 explosion proof0.55	机械密封 Mechanical Seal
25EDQLS11S	2.0	40	2900	304SS	三相 three phases1.1	机械密封 Mechanical Seal
25EDQLS11B	2.0	40	2900	304SS	防爆 explosion proof1.1	机械密封 Mechanical Seal
32EDQLS15S	3.5	40	2900	304SS	三相 three phases1.5	机械密封 Mechanical Seal
32EDQLS22D	3.5	40	2900	304SS	单相 single phase2.2	机械密封 Mechanical Seal
32EDQLS22b	3.5	40	2900	304SS	防爆 explosion proof2.2	机械密封 Mechanical Seal
40EDQLS22S	6.0	40	2900	304SS	三相 three phases2.2	机械密封 Mechanical Seal
40EDQLS30S	6.0	40	2900	304SS	三相 three phases3.0	机械密封 Mechanical Seal
40EDQLS30b	6.0	40	2900	304SS	防爆 explosion proof3.0	机械密封 Mechanical Seal
50EDQLS55S	12	40	2900	304SS	三相 three phases5.5	机械密封 Mechanical Seal
50EDQLS75S	12	40	2900	304SS	三相 three phases7.5	机械密封 Mechanical Seal
50EDQLS75B	12	40	2900	304SS	防爆 explosion proof7.5	机械密封 Mechanical Seal
65EDQLS110S	25	40	1450	304SS	三相 three phases11	机械密封 Mechanical Seal
65EDQLS150B	25	40	1450	304SS	防爆 explosion proof15	机械密封 Mechanical Seal
80EDQLS185S	55	40	1450	304SS	三相 three phases18.5	机械密封 Mechanical Seal
80EDQLS220B	55	40	1450	304SS	防爆 explosion proof22	机械密封 Mechanical Seal

备注: 如需要316SS、316L、双相钢、钛材等材质, 请来电咨询!

Remarks: If you need 316SS, 316L, duplex steel, titanium and other materials, please contact us.

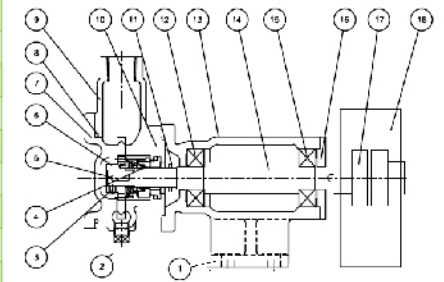
EDQLS系列 >>>

EDQLS SERIES

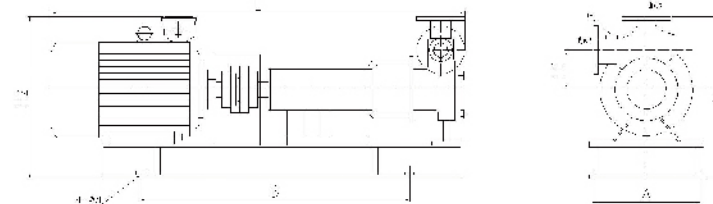
>>> 基本配置表 BASIC CONFIGURATION TABLE

序号 SL	名称 Item	数量 Quantity	备注 Remark
1	支架(底座) Bracket	1	球墨铸铁Ductile iron
2	排水堵头 Drain plug	1	304SS
3	紧定螺丝 Set screw	2	304SS (65、80泵无) (65、80 pump not included)
4	机械密封 Machinery Seal	1	根据物料选配 According to material selection
5	键 key	1	304SS
6	叶轮 impeller	1	304SS
7	泵盖 pump cover	1	304SS
8	密封圈 O-ring	1	氟橡胶 fluororubber
9	泵体 pump-body	1	304SS
10	机封静环压盖 Machine seal static ring gland	1	304SS (有的泵型无) (some pump not included)
11	挡水环 Water retaining ring	1	NBR
12、15	轴承 Bearing	2	根据泵型选配 According to the pump type
13	托架 bracket	1	Ductile iron
14	泵轴 Pump shaft	1	304SS
16	轴承盖 Bearing cap	2	Ductile iron
17	联轴器 Coupling	1	45#
18	联轴器防护罩 Coupling shield	1	Q235

>>> 结构图 STRUCTURE DIAGRAM



>>> 外形尺寸图 (MM) DIMENSIONAL DRAWING (MM):



型号 Model	进口 Inlet	出口 Outlet	L	A	B	H1	H2	4-d	重量 Weight
15EDQLS04S	R1/2	R3/8	480	180	268	52	255	10	22
15EDQLS04D	R1/2	R3/8	480	180	268	52	261	10	23
15EDQLS04B	R1/2	R3/8	480	180	268	52	290	10	25
20EDQLS04S	R3/4	R1/2	510	180	268	63	255	10	24
20EDQLS04D	R3/4	R1/2	510	180	268	63	261	10	25
20EDQLS04B	R3/4	R1/2	510	180	268	63	290	10	33
25EDQLS11S	R1	R3/4	561	210	276	70	280	10	35
25EDQLS11B	R1	R3/4	561	210	276	70	295	10	42
32EDQLS15S	R1 1/4	R1	630	210	276	80	303	10	45
32EDQLS22D	R1 1/4	R1	635	210	276	80	327	10	46
32EDQLS22B	R1 1/4	R1	635	210	276	80	335	10	58
40EDQLS22S	R1 1/2	R1 1/4	655	230	350	85	303	10	68
40EDQLS30S	R1 1/2	R1 1/4	660	230	350	85	327	10	69
40EDQLS30B	R1 1/2	R1 1/4	660	230	350	85	335	10	77
50EDQLS55S	DN50	DN40	850	285	425	106	410	12	106
50EDQLS75S	DN50	DN40	860	285	425	106	410	12	116
50EDQLS75B	DN50	DN40	860	285	425	106	475	12	128
65EDQLS110S	DN65	DN50	1100	360	660	170	568	16	208
65EDQLS150B	DN65	DN50	1150	360	660	170	610	16	238
80EDQLS185S	DN80	DN65	1270	380	750	180	591	16	352
80EDQLS220B	DN80	DN65	1300	380	750	180	650	16	398



释放器系列及配件 RELEASER AND INSTALLATION KITS

“益顿”高效释放器在TS、TV型基础上开发研制的高效释放器，该释放器释放效果好、不易堵塞，材料采用ABS，耐腐蚀，适合于各种工况，是环保行业的最佳选择！

The high-efficiency release device developed by "Edon" based on TS and TV models has good release effect and is not easy to block. The material is made of ABS, which is corrosion-resistant and suitable for various working conditions. It is the most environmental protection industry.



产品型号 MODEL

型号 Model	流通水量 Flowrate (t/h)	压力 Pressure (bar)	材质 Material
EDSF01	1	4	ABS
EDSF02	2	4	ABS
EDSF03	3	4	ABS
EDSF04	4	4	ABS
EDSF05	5	4	ABS
EDSF06	6	4	ABS



释放效果图

附件及备件 INSTALLATION KITS



一套完整的气液混合泵释放系统需配置以下配件，如左图所示：

The installation kits shown in the above picture will be needed with the installation.

进气管路：吸气嘴-分为宝塔接口和螺纹接口

Inlet Pipe: Suction nozzle - divided into pagoda interface and threaded interface

单向阀-简易单向阀、铸铝单向阀、不锈钢单向阀等

Check valve - simple check valve, cast aluminum check valve, stainless steel check valve, etc.

气量控制阀-气体流量计或简易的气体调节阀

Gas control valve - gas flow meter or simple gas regulating valve

释放器系列及配件 RELEASER AND INSTALLATION KITS

附件及备件 INSTALLATION KITS

进水管路：进水阀门-球阀或截止阀

Inlet pipe: inlet valve - ball valve or globe valve

真空表-防震真空表或一般真空表

Vacuum gauge - shockproof vacuum gauge or general vacuum gauge

进水过滤器-不锈钢过滤器或塑料过滤器 (Y型或篮式)

Inlet filter - stainless steel filter or plastic filter (Y or basket)

出水管路：气液分离罐—不锈钢、铸铁等

Water outlet pipe: gas-liquid separation tank - stainless steel, cast iron, etc.

排气阀-黄铜或不锈钢

Exhaust valve - brass or stainless steel

压力表-防震压力表或一般压力表

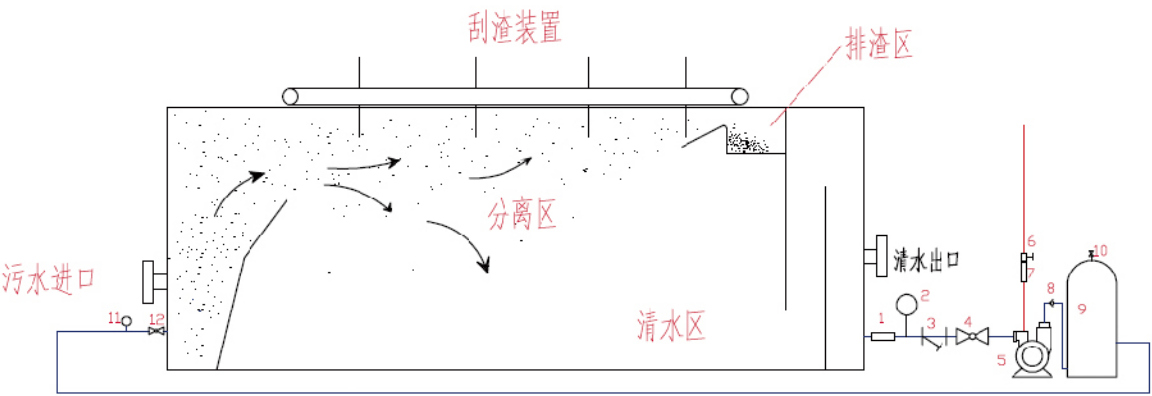
Pressure gauge - shockproof pressure gauge or general pressure gauge

出水阀门-球阀或截止阀

Water outlet valve - ball valve or globe valve

释放器-可配套各种释放器

Releaser - available with a variety of releasers



溶气泵气浮机系统 Dissolved Air Flotation System

1、液体流量计 2、真空压力表 3、过滤器 4、进口调节阀 5、溶气泵 6、气量调节阀

7、气体流量计 8、止回阀 9、溶气分离罐 10、自动排气阀 11、压力表 12、压力调节阀

1. Liquid flow meter 2. Vacuum pressure gauge 3. Filter 4. Import regulating valve 5. Dissolved air pump 6. Air volume regulating valve

7. Gas flow meter 8. Check valve 9. Dissolved gas separation tank 10. Automatic exhaust valve 11. Pressure gauge 12. Pressure regulating valve

与传统工艺相比，省去了加压泵、空气压缩机、射流泵、高压溶气罐、释放器等装置。并提高了混合效率，增加了微细气泡的含量，处理效果更佳。且解决了释放器堵塞、大气泡翻腾等问题。

Compared with conventional method, there will be no need of pressure pump, air compressor, ejection pump and etc. Meanwhile the efficiency will be greatly improved as well as the amount of micro bubbles and treatment effect. With our releaser, there should be no clog and big bubble issue.