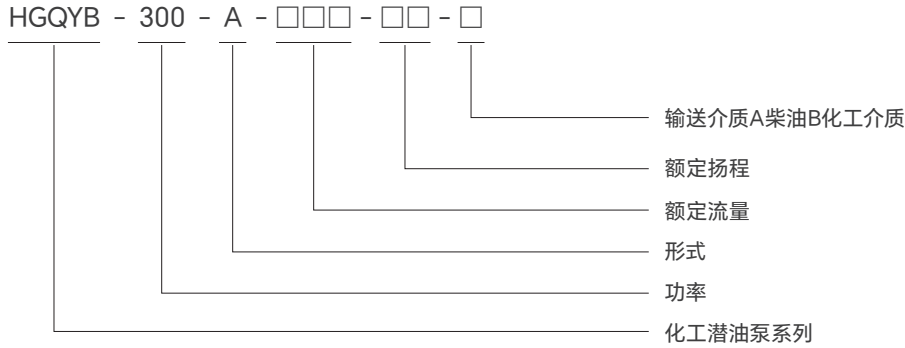


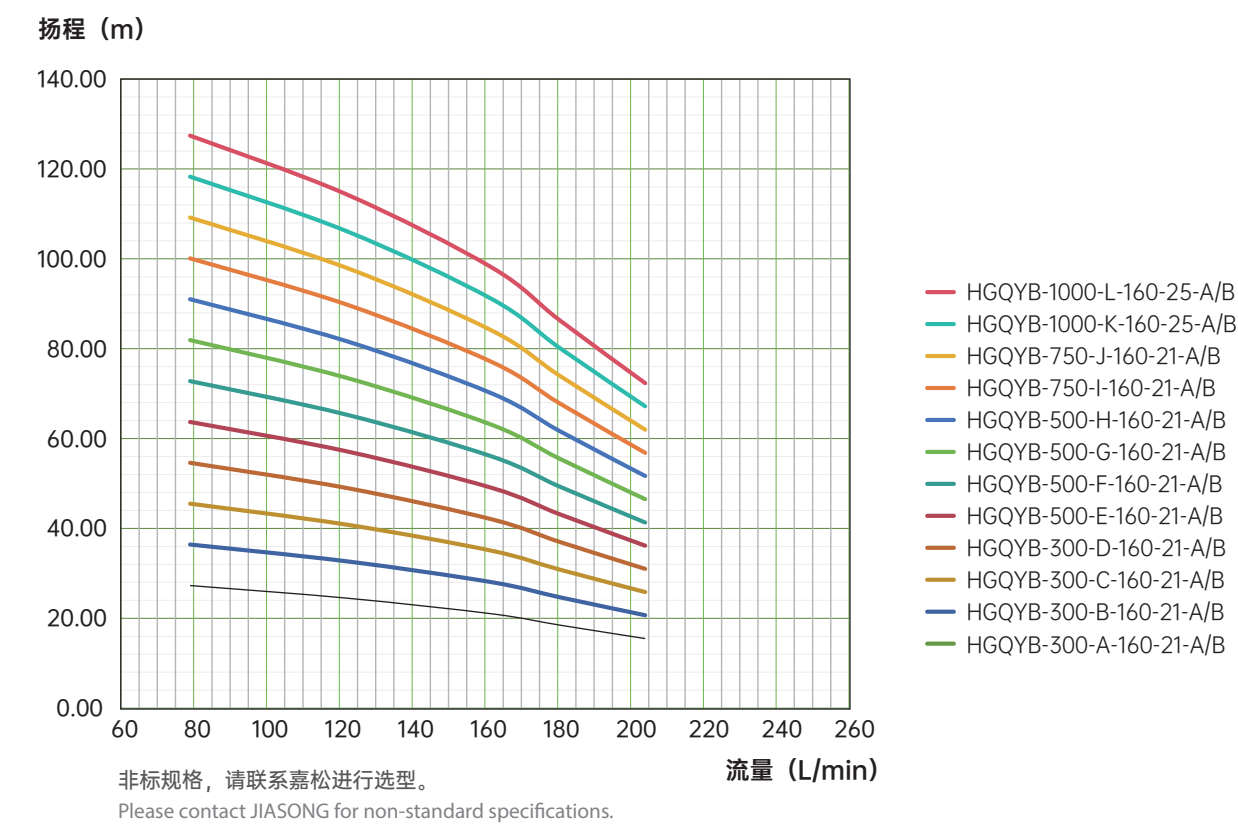
型号定义



HGQYB系列性能参数

型号	功率 Hp	形式	转速 (n/min)	额定流量 (L/min)	最大流量 (L/min)	额定扬程 (m)	最大扬程 (m)
HGQYB-300-A-160-21-A/B	3	3	2860	160	268	21	27
HGQYB-300-B-160-28-A/B	3	4	2860	160	268	28	36
HGQYB-300-C-160-35-A/B	3	5	2860	160	268	35	45
HGQYB-300-D-160-42-A/B	3	6	2860	160	268	42	54
HGQYB-500-E-160-49-A/B	5	7	2860	160	268	49	63
HGQYB-500-F-160-56-A/B	5	8	2860	160	268	56	72
HGQYB-500-G-160-63-A/B	5	9	2860	160	268	63	81
HGQYB-500-H-160-70-A/B	5	10	2860	160	268	70	90
HGQYB-750-I-160-77-A/B	7.5	11	2860	160	268	77	99
HGQYB-750-J-160-84-A/B	7.5	12	2860	160	268	84	108
HGQYB-1000-K-160-91-A/B	10	13	2860	160	268	91	117
HGQYB-1000-L-160-98-A/B	10	14	2860	160	268	98	126

性能曲线图



项目案例



企业介绍

浙江嘉松科技有限公司成立于1984年，是能源输送、化工溶液输送行业及相关配套产品、系统解决方案提供商，公司集科研、制造、营销、服务为一体的综合型企业。采用ERP+MES的现代化的企业管理系统、全智能化仓储系统、一体化卧式加工中心等先进制造设备100余台套，公司业务范围覆盖全球，也是国内中国石化、中国石油的合格供应商。浙江嘉松科技将持续创新，致力于成为全球领先的能源与化工输送解决方案提供商，为客户创造更大价值，共筑美好未来。



Company Profile

Zhejiang Jiasong Technology Co., Ltd was established in 1984. We are the professional manufacturer for the energy transmission and chemical solution transmission, related supporting products and system solutions. We are the integrated enterprise that combines scientific research, manufacturing, marketing and services. Equipped with the modern ERP+MES enterprise management system, fully intelligent warehousing system, integrated horizontal machining center and other advanced manufacturing equipment totaling over 100 sets, JIASONG business scope covers the entire world, and also the qualified supplier for China Sinopec and PetroChina. We will continue to innovate and strive to become the world's leading provider of energy and chemical transmission solutions, creating greater value for clients and jointly building a better future.



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扫一扫，了解更多



红袍防爆化工潜泵

Red-Robe Ex CHEMICAL SUBMERSIBLE PUMP

替代传统液下泵  
创造更优的介质输送方式

REPLACE TRADITIONAL SUBMERSIBLE PUMP  
TO CREATE A BETTER MEDIUM DELIVERY MODE



Safety

安全可靠



Preservative

超耐腐蚀



Energy Efficient

高效节能



# 替代传统液下泵

## 创造更优的介质输送方式

### REPLACE TRADITIONAL SUBMERSIBLE PUMP TO CREATE A BETTER MEDIUM DELIVERY MODE

## Red-Robe红袍防爆化工潜泵

### Red-Robe Ex CHEMICAL SUBMERSIBLE PUMP

化工潜泵主要用于地下罐，将油罐内液体推送至加液机，304不锈钢包裹的转子配特制的石墨轴承，使产品和液体接触部分具有自身无污染、耐腐蚀的性能，扩大了潜泵的使用和应用领域。

Chemical Submersible Pump is mainly used for underground tank, the liquid in the tank is pushed to the refueling machine, 304 stainless steel wrapped rotor with special graphite bearing, so that the product and the liquid contact part has its own pollution-free, corrosion resistance performance, expand the use and application of submersible pump.



#### 产品特点

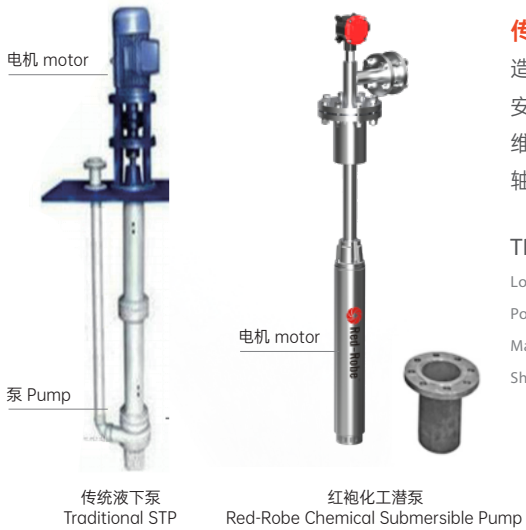
- 国家防爆认证，可用于危险区域
- 不会产生气蚀现象
- 内置热保护，安全可靠
- 整体采用304不锈钢材质，防锈防腐蚀
- 正压供油，输液距离长
- 一泵可带多个加注机
- 内置泄压装置，维持安全的管线压力
- 电机定子内置温控保护器
- 电机电流超过正常值时，潜液泵可能有异常自动停机
- 电机内部最高温度达到95℃时自动停机

#### Product Features

- National Ex certification, can be used in dangerous areas
- No cavitation
- Built-in thermal protection, safe and reliable
- All 304 SS material, anti-rust and anti-corrosion
- Positive pressure oil supply, long infusion distance
- One pump can be equipped with multiple filling machines
- Built-in pressure relief device to maintain safe line pressure
- Motor stator built-in temperature control protector
- When the motor current exceeds the normal value, the submersible pump may have abnormal automatic shutdown
- Automatic stop when the highest internal temperature of the motor reaches 95℃

## 红袍防爆化工潜泵与传统长轴液下泵比较

### COMPARISON BETWEEN Red-Robe Ex CHEMICAL SUBMERSIBLE PUMP AND TRADITIONAL LONG SHAFT SUBMERSIBLE PUMP



#### 传统液下泵

造价低  
安全性差  
维护频繁  
轴长超过4米的长度无法制造

#### TRADITIONAL Submersible Pump

Low cost  
Poor safety  
Maintain frequently  
Shaft lengths greater than 4 m can't be manufactured

#### 红袍化工潜泵

购置费无增加  
安全性极好  
终身免维护  
运行费用是传统液下泵的1/10

#### Red-Robe Chemical Submersible Pump

No increase in purchase fee  
Excellent security  
Lifetime maintenance free  
The operating cost is 1/10 of that of a conventional submersible pump

## 超乎预期的成本获益

### UNEXPECTED COST BENEFITS

普通长轴液下泵，造价1万元左右，但耗电是红袍防爆化工潜泵的3倍至5倍。维护费远远超过首次购置成本。

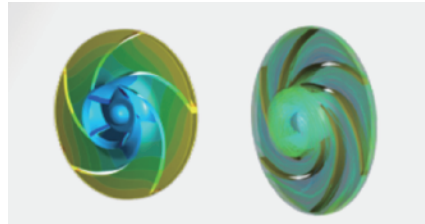
Traditional submersible pump, the cost is expensive, but the power consumption is 3 times to 5 times of Red-Robe Ex chemical submersible pump. Maintenance costs far exceed initial acquisition costs.

长轴液下泵因为轴的长度受限，必须由多级组合而成，每级的轴承成为易损件，如不及时更换，可能造成严重后果。地下罐的介质一般是易燃易爆的危险品。几次重大事故，导致中石油发文停用长轴液下泵。

## 安全是我们的首要任务

### SAFETY IS OUR TOP PRIORITY

- 物料传输路径—沿蓝色箭头所示线路传输
- 电力传输路径—通过防爆连接器、电缆引出等装置将电缆引出潜液泵，内部整体灌封高强度阻燃环氧树脂。
- 电机内循环系统—部分液体在电机内部快速穿过，沿红色箭头所示线路与潜液泵外物料汇合，实现系统大循环。
- 泵的叶轮和扩散器采用CFD软件分析和优化设计使叶轮和扩散器完美地匹配，大幅度提高了泵效率。采用不锈钢316，可以适应各类化工溶液，运行更加安全。



### 关键工艺

- 内、外套筒与上、下压盖之间焊接成一体
- 内腔真空压力灌封环氧树脂
- 水压试验及绝缘性能检测
- 定子嵌线部分被内、外套筒、上、下端盖包在内部

### Key Process

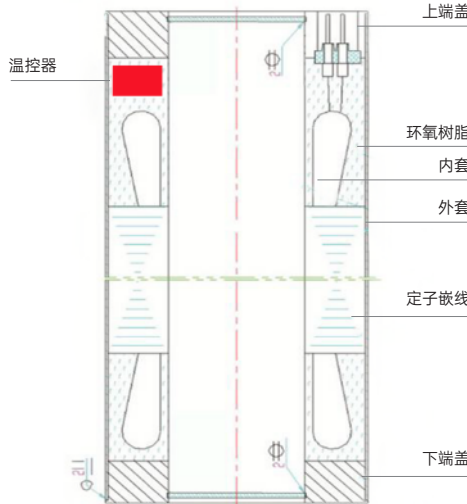
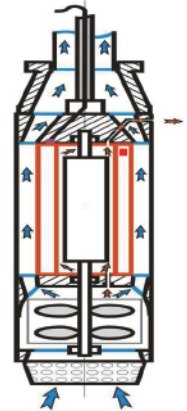
- The inner and outer sleeves are welded together with the upper and lower gland
- Inside cavity vacuum pressure encapsulation epoxy resin
- Water pressure test and insulation performance test
- The stator embedded line part is covered by inner and outer sleeves, and the upper and lower ends are wrapped inside

红袍防爆化工潜泵，造价1万元左右，红袍防爆化工潜泵的电机在液面以下，只有几百毫米短轴，所以运行稳定，几乎没有磨损。因为其免维护，超长寿命，运行费用极低，性价比远远高于传统长轴液下泵。

Red-Robe Ex chemical submersible pump, the cost is affordable, the motor is under the liquid level, a few hundred mm short shaft only, so the operation is stable without wear. Because of its maintenance-free, ultra-long life, low operating costs, the cost performance ratio is far higher than the traditional long-shaft submersible pump.

Because the shaft length is limited, the long-shaft submersible pump must be composed of multiple stages. The bearings of each stage become wearing parts. If not replaced in time, it may cause serious consequences. The medium of underground tank is generally flammable and explosive dangerous goods. Several major accidents resulted in the suspension of the long shaft submersible pump.

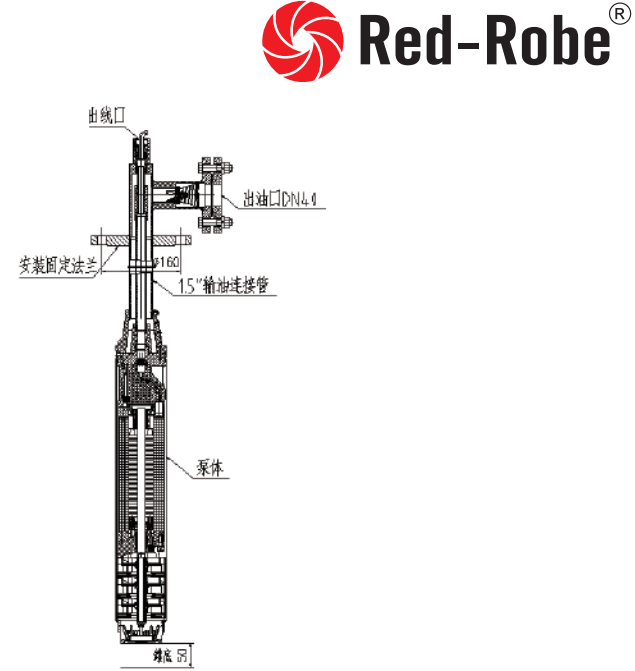
- Material Transmission Path - along the line shown by the blue arrow
- Power Transmission Path - the cable is led out of the submersible pump through Ex connectors, cable leads and other devices, and the internal whole potting of high strength flame retardant epoxy resin
- Motor Internal Circulation System - part of the liquid quickly passes through the motor and meets the material outside the submersible pump along the route shown by the red arrow to realize the large circulation of the system
- The impeller and diffuser are analyzed and optimally designed by CFD software, achieving a perfect match and thus significantly improving the pump efficiency. Manufactured from 316SS, the components are adaptable to various chemical solutions and ensure safer operation.



### 外形安装图 Installation Drawing

出油口DN40到DN100不等根据客户需求定制。  
泵体外径φ101和152.7两种。

Outlet DN40 to DN100 can be customized according to customer requirements.  
Pump diameter: φ101 and φ152.7



### 基本参数 Basic Parameters

功率 Power	0.75HP	1.5HP	2.0HP	3.0HP	5.0HP
转速 Speed	2850RPM				
压力 Pressure	0.2~0.35MPa				
流量 Flow Rate	220L/min	300L/min	380L/min	600L/min	1000L/min
干转保护 Dry-running Protection	off				
浸没要求 Immersion Requirements	200mm				
离罐底距离 From The Bottom of Tank	50-75mm				
连接方式 Connection Method	定杆连接, 长度按客户要求 Fixed pipe length can be custoned by required.				
工作温度 Operating Temperature	-25℃~-+55℃				

### 适用介质 Applicable Medium

#### 脂类 Lipoid

乙酸甲酯 正丙酯  
Methyl Acetate NPAC  
  
乙酸乙酯 二价酯  
Ethyl Acetate DBE  
  
乙酸丙酯 丙酸甲酯  
Propyl Acetate Methyl Propionate  
  
乙酸丁酯 丙酸乙酯  
Butyl Acetate Ethyl Propionate  
  
醋酸甲酯 丙酸丙酯  
Methyl Acetate Propyl Propionate  
  
醋酸乙酯 油酸甲酯  
Acetic Ether Methyl Oleate  
  
醋酸丁酯 乙二醇乙醚醋酸酯  
N-butyl Acetate Glycol Ethyl Ether Acetate  
  
水杨酸甲酯 2-乙酰基-γ丁内酯  
Methyl Salicylate 2-Acetyl-γ-Butyrolactone  
  
碳酸二甲酯 甲基丙烯酸 α-羟基丙酯  
Dimethyl Carbonate Methacrylic Acid α-Hydroxypropyl Ester  
  
醋酸乙烯酯 甲基丙烯酸 α-羟基乙酯  
Nikasal Methacrylic Acid α-Hydroxy Ethyl Ester  
  
醋酸仲丁酯 丙二醇甲醚醋酸酯  
Sec-Butyl Acetate Propylene Glycol Methyl Ether Acetate  
  
丙烯酸乙酯 甲基丙烯酸甲酯 (甲甲酯)  
Methyl Acrylate Methyl Methacrylate  
  
丙烯酸甲酯 丙烯酸 (正) 丁酯  
Methyl Acrylate N-butyl Acrylate  
  
丙烯酸异辛酯 乙二醇丁醚醋酸酯  
2-Ethylhexyl Acrylate 2-Butoxyethyl Acetate

#### 苯类 Benzene

粗苯 甲苯  
Benzol Methylbenzene  
  
二甲苯 苯乙烯  
Xylene Styrene  
  
重芳烃 硝基苯  
Heavy Aromatics Nitrobenzene  
  
100#芳烃 氯化苯 (氯苯)  
100#Arene Chlorobenzene  
  
150#芳烃 三甲苯 (S100)  
150#Arene Trimethylbenzene  
  
邻二甲苯 乙基苯 (乙苯)  
O-xylene Ethylbenzene  
  
均三甲苯  
Mesitylene

#### 胺和腈 Amine & Nitrile

苯胺 丙烯腈  
Aniline Acrylonitrile  
  
乙腈 车用尿素  
Acetonitrile AdBlue  
  
一甲胺 二甲基甲酰胺  
Monomethylamine Dimethylformamide  
  
三乙胺 2, 3-二甲基苯胺  
Triethylamine 2, 3-Dimethylaniline

#### 醇类 Alcohol

丙二醇 芊醇  
Propylene Glycol Benzyl Alcohol  
  
(正)丙醇 环己醇  
n-Butyl Alcohol Cyclohexanol  
  
(正)丁醇 异丙醇  
n-Butyl Alcohol Isopropanol  
  
(正)辛醇 异丁醇  
n-Caprylic Alcohol Isobutanol  
  
(正)己醇 乙二醇  
n-Hexanol Glycol  
  
二甘醇 (二乙二醇) 二丙醇醇  
Diglycol(Diethylene Glycol) Diacetone Alcohol  
  
甲醇、乙醇及混合物 2-辛醇  
Methanol-Ethanol Mixture 2-Octanol  
  
甲缩醛 (甲缩醛二乙醇) 戊醇  
Methyal Formaldehyde Diethyl Acetal Amyl Alcohol

#### 酮类 Ketone

丁酮 环己酮  
Butanone Cyclohexanone  
  
丙酮 甲基异丁基 (甲) 酮  
Acetone MIBK

#### 醚类 Ethers

石油醚 丙二醇甲醚  
Petroleum Ether Propylene Glycol Monomethyl Ether  
  
四氢呋喃 甲基叔丁基醚  
Tetrahydrofuran MTBE  
  
乙二醇乙醚 乙二醇丁醚  
Glycol Ether Butyl Cellosolve  
  
二乙二醇单丁醚  
Diethylene Glycol Monobutyl Ether

#### 醛类 Aldehydes

甲醛  
Formaldehyde