

九野流体科技
JIUYE STREAM TECHNOLOGY

COMPANY PROFILE

公司简介



设计合理
Reasonable Design



优质选材
High-quality Material



质量可靠
Reliable Quality



做工精细
Fine Workmanship



持久耐用
Durable



精益求精
Striving for excellence



服务及时
Timely Service



昆山九野流体科技有限公司是一家集研发、生产、销售、服务与一体的高压切削冷却过滤系统的新型企业。
Kunshan Jiuye Stream Technology Co., Ltd. is a new enterprise specializing in R&D, production, sales of service of high-pressure cutting, cooling and filtration system.

高压切削冷却过滤系统主要解决难切削材料加工问题；对于断屑起到至关重要的辅助效果。此设备结构紧凑，稳定性耐用性好，配合数控加工中心、数控车床、走心式车床，数控深孔加工机等数控机床使用，在加工过程中可以降低刀具磨损，延长刀具寿命，提高工件表面光滑度，提升零件的质量，提高工作效率，本产品质量优良，远销东南亚及欧盟。

High-pressure cutting, cooling and filtration system mainly solves the processing problems of difficult-to-cut materials. It plays an important supporting role in cutting. This equipment has compact structure, high stability and durability. It can be used with CNC machine tools such as CNC machining centers, CNC lathes, centering lathes and CNC deep-hole drilling machines. It can reduce tool wear, prolong tool life and improve workpiece surface smoothness during processing. It can also improve the part quality and work efficiency. This product has excellent quality and is exported to Southeast Asia and EU countries.

不忘初心，砥砺前行，我们始终以客户优先的立场持续创新，以客户至上的目标持续迈进，携手与我们的客户创造双赢。

Adhering to the philosophy of "Not Forgetting the Original Intention and Moving Forward", we continue to make innovation and progress according to customer requirements so as to work hand in hand with our customers to create a win-win situation.

Honest trustworthy
and excellence
诚实守信,精益求精!



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规格型号表示

Specifications/Model Description

YCTS	-A	-L1	-50	-E	-C
敞开式中心出水 Open-ended center discharge = YCTS1 全封闭式中心出水 Fully-enclosed center discharge = YCTS2					
水箱容积100-200L Water tank volume 100-200L 水箱容积200-300L Water tank volume 200-300L	= A = B				
水箱容积300L以上 Water tank volume above 300L 定制 Customized	= C = X				
螺杆泵 Screw pump 齿轮泵 Gear pump		= L1 = L2			
柱塞泵 Plunger pump 离心泵 Centrifugal pump		= L3 = L4			
闭口压力20bar 20bar Closed-end pressure 闭口压力30bar 30bar Closed-end pressure			= 20 = 30		
闭口压力50bar 50bar Closed-end pressure 闭口压力70bar 70bar Closed-end pressure 闭口压力90bar 90bar Closed-end pressure			= 50 = 70 = 90		
有电控 With electrical control				= E	
不带磁性过滤 Without magnetic filter 带磁性过滤 With magnetic filter					无代码 No code = C

● 注意:可提供特殊设置。有关订购代码,请联系厂家授权代表。

Note: Special configuration is available. For more information about the order code, please contact the authorized representative of the manufacturer.



深孔高压型旋转接头

R02

Deep-hole High-pressure Swivel Joint



特征说明 Features

机械式密封，精密级防尘轴承，可压缩空气干运转，可微量润滑，通道孔直径 $\varnothing 9$ ，满足大流量要求防水迷宫，泄水孔保护，可加工玻璃、陶瓷等硬度高的材料。

Mechanical seal, precision-grade dustproof bearing, dry running with compressed air, micro lubrication and channel hole diameter $\varnothing 9$, meeting large flow requirements. Waterproof labyrinth and drain hole protection for hard material processing such as glass and ceramics.

● 技术数据 Technical Data

最高转速 Max. speed	12000/16000rpm
最高压力 (切削液) Max. pressure (cutting fluid)	120bar
最高压力 (压缩空气) Max. pressure (compressed air)	5bar

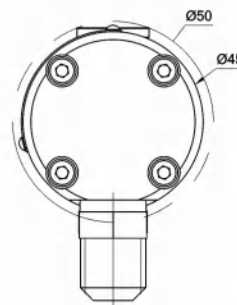
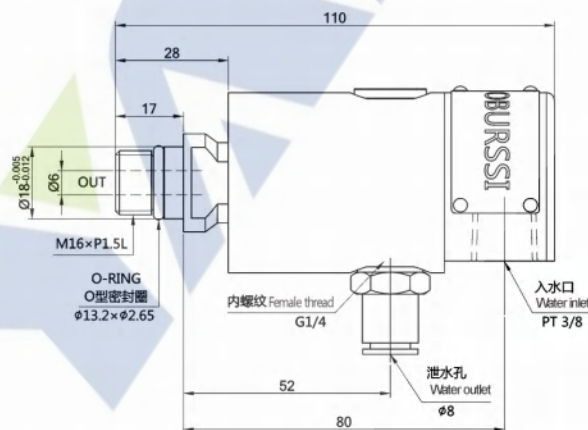
● 订货编号 Order Code

R021203S/1200rpm	径向接管 Radial tube
R021603S/1200rpm	径向接管 Radial tube

● 安装时的注意事项 Installation Precautions

安装方向 Installation direction	横向 (水平) Horizontal (level)	○
	纵向 (旋转侧上) Longitudinal (Swivel side up)	○
	纵向 (旋转侧下) Longitudinal (Swivel side down)	×
空转 Idle (在不通过流体的状态下使之旋转) (Rotating without fluid)	×	
密封件最低工作流量 Min. flow of seals (流体: 为切削液时) (Fluid: Cutting fluid)	密封组件长时接触闭合 Long-time contact closure	

● 外观图 Appearance Drawing



样册仅供参考，请以实际购买为主。

This brochure is for reference only. Please refer to the actual product.



YCTS2-L2-20

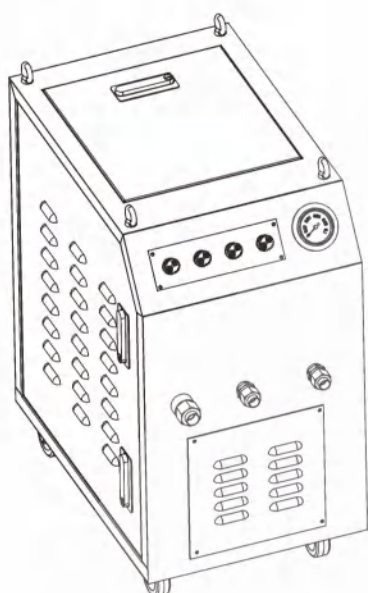
20bar自吸式中心出水

20bar Self-Priming Center Discharge

YCTS2-L2-30

30bar自吸式中心出水

30bar Self-Priming Center Discharge



基本规格信息表 Basic Specifications

- 适用液体：乳化性切削液、半合成切削液。
- 电机功率：1.5KW,50HZ (AC220/380V)
- 电机功率：2.2KW,50HZ (AC220/380V)
- 系统压力：20bar、30bar
- 系统流量：约27L/min
- 过滤精度：25 μ m左右（如需精度更密的,可订制。）
- 泵型：齿轮泵
- 含集线盒,如需电控,可以按需求定制。

Basic Specifications

- Applicable liquids: Emulsified cutting fluid and semi-synthetic cutting fluid.
- Motor power : 1.5KW,50HZ (AC220/380V)
- Motor power: 2.2KW,50HZ (AC220/380V)
- System pressure: 20bar、30bar
- System flow: Approx. 27L/min
- Filtration accuracy: Approx. 25 μ m (Customizable if required)
- Pump type: Gear pump
- Including junction box (electrical control is customizable according to your requirements)

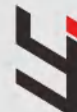
出水孔压力对应表 Outlet Pressure Table

出水孔直径 Outlet diameter	2x $\varnothing$ 1mm	2x $\varnothing$ 1.5mm	2x $\varnothing$ 2mm	2x $\varnothing$ 3mm
流量 Flow	5.4L/Min	12L/Min	21.6L/Min	27L/Min
压力 Pressure	20bar	20bar	20bar	6.5bar

备注: 1.不适用于铸铁或硬质粉末材料的精细过滤,使用在此工况时,请事先说明加装非标的纸袋过滤器、离心式过滤器或者磁性过滤器。
2.实际情况会与上述信息有微小差别,以实际情况信息为准。

Note: It is not suitable for fine filtration of cast iron or hard powder materials. When used in such condition, please note to install non-standard paper bag filter, centrifugal filter or magnetic filter.

The actual situation will be slightly different. Please refer to the actual situation.



YCTS1-B-L4-20

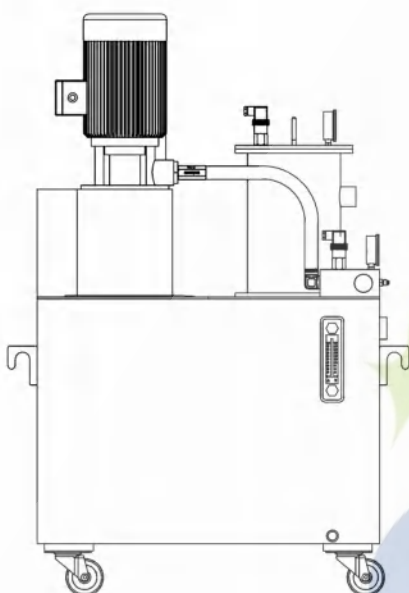
20bar水箱式中心出水

20bar Tank-type Center Discharge

YCTS1-B-L4-30

30bar水箱式中心出水

30bar Tank-type Center Discharge



基本规格信息表 Basic Specifications

- 适用液体：乳化性切削液、半合成切削液、全合成切削液。
- 电机功率：3KW,50HZ (AC220/380V)
- 电机功率：4KW,50HZ (AC220/380V)
- 系统压力：20bar、30bar
- 系统流量：约31L/min、33L/min
- 水箱容量：240L
- 过滤精度：25 μ m左右（如需精度更密的,可订制。）
- 泵型：多级离心泵
- 含集线盒,如需电控,可以按需求定制。

Basic Specifications

- Applicable liquids: Emulsified cutting fluid, semi-synthetic cutting fluid and fully-synthetic cutting fluid.
- Motor power: 3KW,50HZ (AC220/380V)
- Motor power: 4KW,50HZ (AC220/380V)
- System pressure: 20bar、30bar
- System flow: 约31L/min、33L/min
- Water tank capacity: 240L
- Filtration accuracy: Approx. 25 μ m (Customizable if required)
- Pump type: Multistage centrifugal pump
- Including junction box (electrical control is customizable according to your requirements)

出水孔压力对应表 Outlet Pressure Table

出水孔直径 Outlet diameter	2x $\varnothing$ 1mm	2x $\varnothing$ 1.5mm	2x $\varnothing$ 2mm	2x $\varnothing$ 3mm
流量 Flow	5.4L、6.6L/Min	12L、14L/Min	19.8L、26L/Min	31L、33L/Min
压力 Pressure	20、30bar	20、30bar	20、30bar	9、9.2bar

备注: 1.不适用于铸铁或硬质粉末材料的精细过滤,使用在此工况时,请事先说明加装非标的纸袋过滤器、离心式过滤器或者磁性过滤器。
2.补给泵流量要求为: 40L/Min左右。3.实际情况会与上述信息有微小差别,以实际情况信息为准。

Note: It is not suitable for fine filtration of cast iron or hard powder materials. When used in such condition, please note to install non-standard paper bag filter, centrifugal filter or magnetic filter.

Supply pump flow: Approx. 40L/Min. The actual situation will be slightly different. Please refer to the actual situation.

样册仅供参考, 请以实际购买为主。

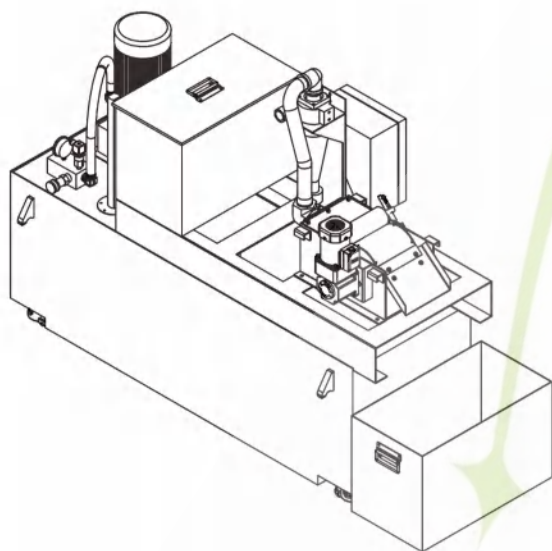
This brochure is for reference only. Please refer to the actual product.



YCTS1-X-L4-20-E-C

20bar纸带过滤

20bar Paper Belt Filtration



基本规格信息表 Basic Specifications

- 适用液体：乳化性切削液、半合成切削液、全合成切削液。
- 电机功率：3KW,50HZ (AC220/380V)
- 系统压力：20bar
- 系统流量：约27L/min
- 水箱容器：240L
- 过滤精度：25 μ m左右（如需精度更密的,可订制。）
- 泵型：多级离心泵
- 含简易电控,也可以按需求定制。

Basic Specifications

- Applicable liquids: Emulsified cutting fluid, semi-synthetic cutting fluid and fully-synthetic cutting fluid.
- Motor power: 3KW,50HZ (AC220/380V)
- System pressure: 20bar
- System flow: Approx. 27L/min
- Water tank capacity: 240L
- Filtration accuracy: Approx. 25 μ m (Customizable if required)
- Pump type: Multistage centrifugal pump
- Including simple electrical control, customizable if required

出水孔压力对应表 Outlet Pressure Table

出水孔直径 Outlet diameter	2x $\varnothing$ 1mm	2x $\varnothing$ 1.5mm	2x $\varnothing$ 2mm	2x $\varnothing$ 3mm
流量 Flow	6.6L/Min	15L/Min	24L/Min	24L/Min
压力 Pressure	30bar	30bar	25bar	6.5bar

备注: 1. 适用于铸铁或硬质粉末材料的精细过滤。 2. 补给泵流量要求为: 40L/Min左右。
3. 实际情况会与上述信息有微小差别,以实际情况信息为准。

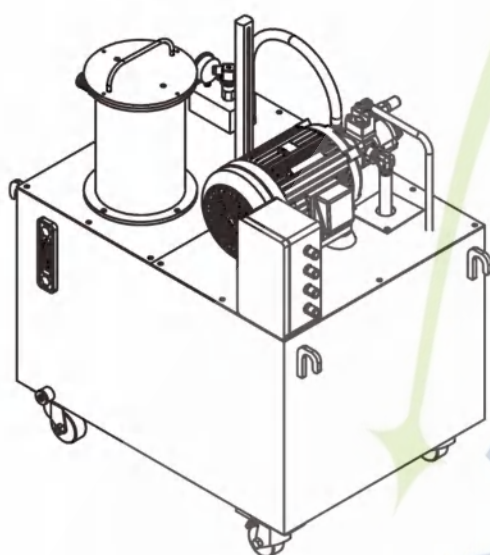
Note: 1. Suitable for fine filtration of cast iron or hard powder materials. Supply pump flow: Approx. 40L/Min.
The actual situation will be slightly different. Please refer to the actual situation.



YCTS1-B-L2-30

30bar水箱式中心出水

30bar Tank-type Center Discharge



基本规格信息表 Basic Specifications

- 适用液体：乳化性切削液、半合成切削液。
- 电机功率：2.2KW,50HZ (AC220/380V)
- 系统压力：30bar
- 系统流量：约24L/min
- 水箱容量：240L
- 过滤精度：25 μ m左右 (如需精度更密的,可订制。)
- 泵型：齿轮泵
- 含集线盒,如需电控,可以按需求定制。

Basic Specifications

- Applicable liquids: Emulsified cutting fluid and semi-synthetic cutting fluid.
- Motor power : 2.2KW,50HZ (AC220/380V)
- System pressure: 30bar
- System flow: Approx. 24L/min
- Water tank capacity: 240L
- Filtration accuracy: Approx. 25 μ m (Customizable if required)
- Pump type: Gear pump
- Including junction box (electrical control is customizable according to your requirements)

出水孔压力对应表 Outlet Pressure Table

出水孔直径 Outlet diameter	2x $\varnothing$ 1mm	2x $\varnothing$ 1.5mm	2x $\varnothing$ 2mm	2x $\varnothing$ 3mm
流量 Flow	6.6L/Min	15L/Min	24L/Min	24L/Min
压力 Pressure	30bar	30bar	25bar	6.5bar

备注: 1.不适用于铸铁或硬质粉末材料的精细过滤,使用在此工况时,请事先说明加装非标的纸袋过滤器、离心式过滤器或者磁性过滤器。

2.补给泵流量要求为: 40L/Min左右。 3.实际情况会与上述信息有微小差别,以实际情况信息为准。

Note: It is not suitable for fine filtration of cast iron or hard powder materials. When used in such condition, please note to install non-standard paper bag filter, centrifugal filter or magnetic filter.

Supply pump flow: Approx. 40L/Min. The actual situation will be slightly different. Please refer to the actual situation.

样册仅供参考, 请以实际购买为主。

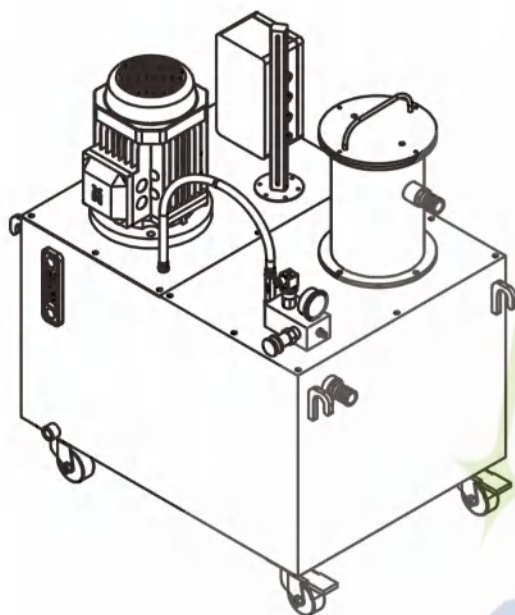
This brochure is for reference only. Please refer to the actual product.



YCTS1-B-L2-50

50bar水箱式中心出水

50bar Tank-type Center Discharge



基本规格信息表 Basic Specifications

- 适用液体：乳化性切削液、半合成切削液。
- 电机功率：3.75KW,50HZ (AC220/380V)
- 系统压力：50bar
- 系统流量：约27L/min
- 水箱容量：240L
- 过滤精度：25 μ m左右（如需精度更密的,可订制。）
- 泵型：齿轮泵
- 含集线盒,如需电控,可以按需求定制。

Basic Specifications

- Applicable liquids: Emulsified cutting fluid and semi-synthetic cutting fluid.
- Motor power: 3.75KW,50HZ (AC220/380V)
- System pressure: 50bar
- System flow: Approx. 27L/min
- Water tank capacity: 240L
- Filtration accuracy: Approx. 25 μ m (Customizable if required)
- Pump type: Gear pump
- Including junction box (electrical control is customizable according to your requirements)

出水孔压力对应表 Outlet Pressure Table

出水孔直径 Outlet diameter	2x $\varnothing$ 1mm	2x $\varnothing$ 1.5mm	2x $\varnothing$ 2mm	2x $\varnothing$ 3mm
流量 Flow	8.5L/Min	19.2L/Min	27L/Min	27L/Min
压力 Pressure	50bar	50bar	32bar	6.5bar

备注: 1. 不适用于铸铁或硬质粉末材料的精细过滤,使用在此工况时,请事先说明加装非标的纸袋过滤器、离心式过滤器或者磁性过滤器。

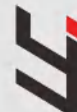
2. 补给泵流量要求为: 40L/Min左右。

3. 实际情况会与上述信息有微小差别,以实际情况信息为准。

Note: It is not suitable for fine filtration of cast iron or hard powder materials. When used in such condition, please note to install non-standard paper bag filter, centrifugal filter or magnetic filter.

Supply pump flow: Approx. 40L/Min.

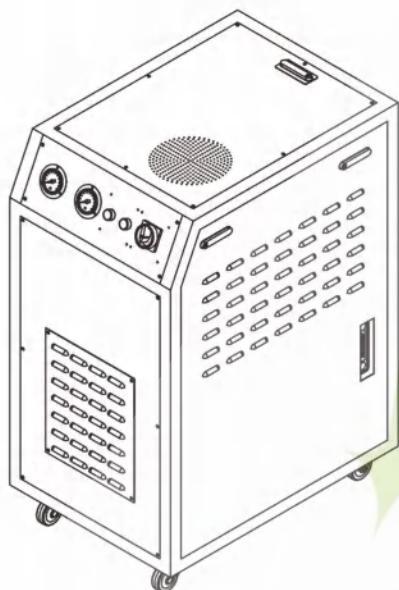
The actual situation will be slightly different. Please refer to the actual situation.



YCTS2-B-L2-50

50bar全封闭水箱式中心出水

50bar Fully-enclosed Tank-type Center Discharge



基本规格信息表 Basic Specifications

- 适用液体：乳化性切削液、半合成切削液。
- 电机功率：3.75KW,50HZ (AC220/380V)
- 系统压力：50bar
- 系统流量：约27L/min
- 水箱容积：240L
- 过滤精度：25 μ m左右（如需精度更密的,可订制。）
- 泵型：齿轮泵
- 含集线盒,如需电控,可以按需求定制。

Basic Specifications

- Applicable liquids: Emulsified cutting fluid and semi-synthetic cutting fluid.
- Motor power: 3.75KW,50HZ (AC220/380V)
- System pressure: 50bar
- System flow: Approx. 27L/min
- Water tank capacity: 240L
- Filtration accuracy: Approx. 25 μ m (Customizable if required)
- Pump type: Gear pump
- Including junction box (electrical control is customizable according to your requirements)

出水孔压力对应表 Outlet Pressure Table

出水孔直径 Outlet diameter	2x $\varnothing$ 1mm	2x $\varnothing$ 1.5mm	2x $\varnothing$ 2mm	2x $\varnothing$ 3mm
流量 Flow	8.5L/Min	19.2L/Min	27L/Min	27L/Min
压力 Pressure	50bar	50bar	32bar	6.5bar

备注: 1.不适用于铸铁或硬质粉末材料的精细过滤,使用在此工况时,请事先说明加装非标的纸袋过滤器、离心式过滤器或者磁性过滤器。

2.补给泵流量要求为: 40L/Min左右。 3.实际情况会与上述信息有微小差别,以实际情况信息为准。

Note: It is not suitable for fine filtration of cast iron or hard powder materials. When used in such condition, please note to install non-standard paper bag filter, centrifugal filter or magnetic filter.

Supply pump flow: Approx. 40L/Min. The actual situation will be slightly different. Please refer to the actual situation.

样册仅供参考, 请以实际购买为主。

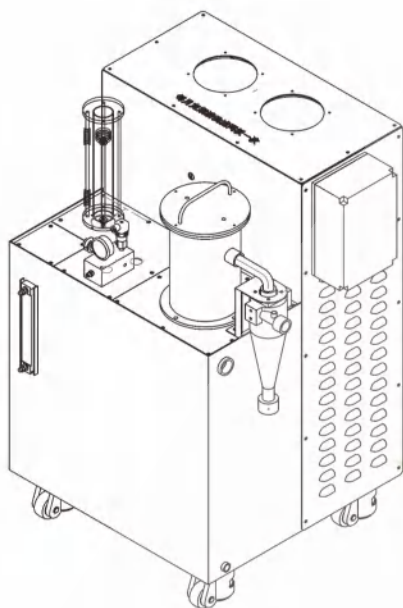
This brochure is for reference only. Please refer to the actual product.



YCTS1-A-L4-50

50bar水箱式中心出水

50bar Tank-type Center Discharge



基本规格信息表 Basic Specifications

- 适用液体：乳化性切削液、半合成切削液、全合成切削液。
- 电机功率：2*3KW,50HZ(AC220/380V)
- 系统压力：50bar
- 系统流量：约33L/min
- 水箱容积：170L
- 过滤精度：25 μ m左右（如需精度更密的,可订制。）
- 泵型：多级离心泵
- 含集线盒,如需电控,可以按需求定制。

Basic Specifications

- Applicable liquids: Emulsified cutting fluid, semi-synthetic cutting fluid and fully-synthetic cutting fluid.
- Motor power: 2*3KW,50HZ(AC220/380V)
- System pressure: 50bar
- System flow: Approx. 33L/min
- Water tank capacity: 170L
- Filtration accuracy: Approx. 25 μ m (Customizable if required)
- Pump type: Multistage centrifugal pump
- Including junction box (electrical control is customizable according to your requirements)

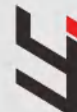
出水孔压力对应表 Outlet Pressure Table

出水孔直径 Outlet diameter	2x $\varnothing$ 1mm	2x $\varnothing$ 1.5mm	2x $\varnothing$ 2mm	2x $\varnothing$ 3mm
流量 Flow	8.5L/Min	19.2L/Min	32.2L/Min	33L/Min
压力 Pressure	50bar	50bar	50bar	10.6bar

备注: 1.不适用于铸铁或硬质粉末材料的精细过滤,使用在此工况时,请事先说明加装非标纸袋过滤器、离心式过滤器或者磁性过滤器。
2.补给泵流量要求为: 55L/Min左右。 3.实际情况会与上述信息有微小差别,以实际情况信息为准。

Note: It is not suitable for fine filtration of cast iron or hard powder materials. When used in such condition, please note to install non-standard paper bag filter, centrifugal filter or magnetic filter.

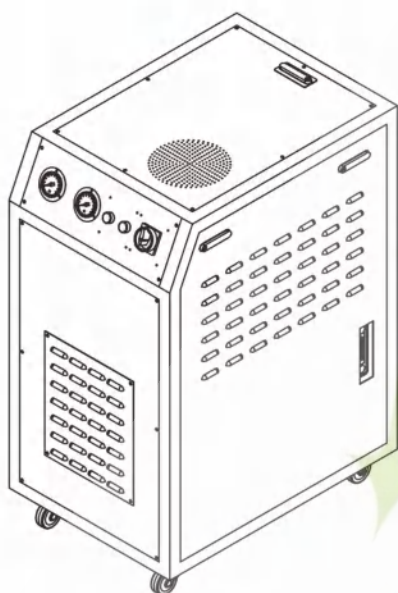
Supply pump flow: Approx. 55L/Min. The actual situation will be slightly different. Please refer to the actual situation.



YCTS2-B-L1-70

70bar水箱式中心出水

70bar Tank-type Center Discharge



基本规格信息表 Basic Specifications

- 适用液体：乳化性切削液、半合成切削液、全合成切削液。
- 电机功率：4KW,50HZ (AC220/380V)
- 系统压力：70bar
- 系统流量：约24L/min
- 水箱容积：240L
- 过滤精度：25 μ m左右 (如需精度更密的,可订制。)
- 泵型：螺杆泵
- 含集线盒,如需电控,可以按需求定制。

Basic Specifications

- Applicable liquids: Emulsified cutting fluid, semi-synthetic cutting fluid and fully-synthetic cutting fluid.
- Motor power: 4KW,50HZ (AC220/380V)
- System pressure: 70bar
- System flow: Approx. 24L/min
- Water tank capacity: 240L
- Filtration accuracy: Approx. 25 μ m (Customizable if required)
- Pump type: Screw pump
- Including junction box (electrical control is customizable according to your requirements)

出水孔压力对应表 Outlet Pressure Table

出水孔直径 Outlet diameter	2x $\varnothing$ 1mm	2x $\varnothing$ 1.5mm	2x $\varnothing$ 2mm	2x $\varnothing$ 3mm
流量 Flow	10L/Min	22.7L/Min	27L/Min	27L/Min
压力 Pressure	70bar	70bar	25bar	5bar

备注: 1.不适用于铸铁或硬质粉末材料的精细过滤,使用在此工况时,请事先说明加装非标的纸袋过滤器、离心式过滤器或者磁性过滤器。
2.补给泵流量要求为: 40L/Min左右。 3.实际情况会与上述信息有微小差别,以实际情况信息为准。

Note: It is not suitable for fine filtration of cast iron or hard powder materials. When used in such condition, please note to install non-standard paper bag filter, centrifugal filter or magnetic filter.
Supply pump flow: Approx. 40L/Min. The actual situation will be slightly different. Please refer to the actual situation.

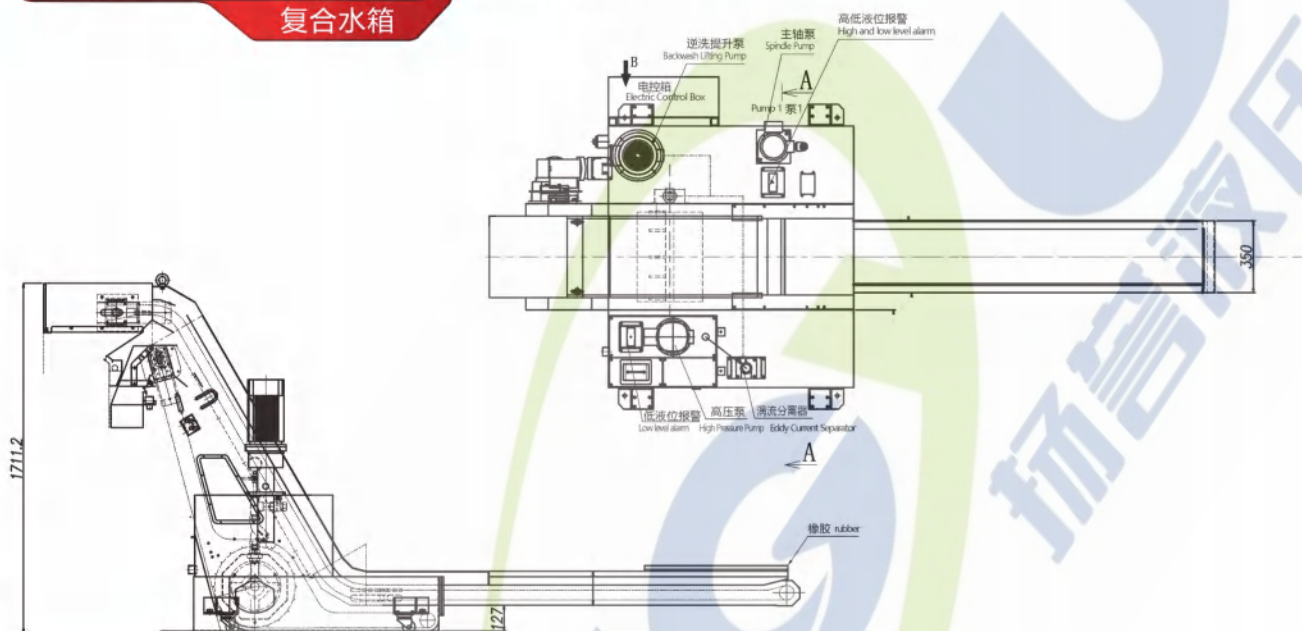
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JN-PJ-70

复合水箱

Composite Water Tank



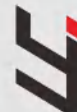
排屑机技术参数 Technical Parameters of Chip Removal Machine

过滤网 Filter Screen	上段 排屑机	型号 Model	减速电机 Reducer Motor	链条 Chain	速度 Speed	输送量 Reducer Conveying Capacity	切削样式 Cutting Type
80目 80 mesh	Upper Chip Removal Machine	链板式 排屑机 Chain plate chip removal machine	HGF2-30N-200-T200KF 0.2KW 4P 200V 50Hz i=1:200	2052HP 263节 2052HP 263-link	1.2m/min	835L/h	5mm-500mm

下段 排屑机	型号 Model	减速电机 Reducer Motor	链条 Chain	速度 Speed	输送量 Reducer Conveying Capacity	油漆 Paint	电气箱 Electrical Box
Lower Chip Removal	刮板式排屑机 Scraper type chip removal machine	HGF-30N-200-T200KF 0.2KW 4P 200V 50Hz	C2050H 155节 C2050H 155-link	1.5m/min	70L/h	按用户指定颜色涂 Painted with specified color	无 No

切屑 Chipping	电控箱 Electric Control Box	逆洗提升泵 Backwash Lifting Pump	主轴泵 Spindle Pump	高压泵 High Pressure Pump
短屑 Short chip	客户要求 According to customer requirements	CDLK8-40/4 L=210(南方) 1.5KW 200V 2P 50Hz 133.3L/min 0.36Mpa CDLK8-40/4 L=210 (Nanfeng)	VKP095A L=280(泰拉尔) 0.4kw 200V 2P 50Hz 140L/min 0.05Mpa L=280 (TERAL)	MTS 20-30(格兰富) 2.2KW 50HZ 220V 流量 26.4L/min 3.0Mpa MTS 20-30 (GRUNDFOS) Flow 26.4 L/min 3.0Mpa

涡流分离器 Eddy Current Separator	切削油 Cutting Oil	液位检测 Level Detection	一次水箱容量 Primary Tank Capacity	二次水箱容量 Secondary Tank Capacity
DC-2YZ	水溶性的流量 MAX300L/Min MAX300L/Min Water soluble flow MAX300L/Min;	DC24V接近开关+浮球指针式 DC24V proximity switch + float pointer type	总容量410 净容量370L Total capacity 410, net capacity 370L	总容量100 净容量70L Total capacity 100, net capacity 70L



JN-70水和油的去除率比较 Comparison of Water and Oil Removal Efficiency of JN-70



图.2 供应压力0.2Mpa Fig. 2 Supply pressure 0.2Mpa

水(比重1 动黏度1 cst) Water (specific gravity 1, dynamic viscosity 1 cst)
切削油(比重0.86 动黏度5 cst) Cutting oil (specific gravity 0.86, dynamic viscosity 5 cst)

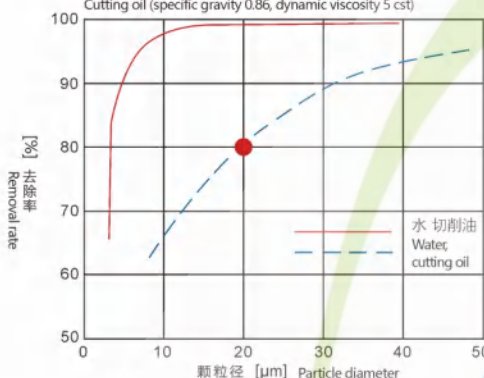


图.3 供应压力0.3Mpa Fig. 3 Supply pressure 0.3Mpa

水(比重1 动黏度1 cst) Water (specific gravity 1, dynamic viscosity 1 cst)
切削油(比重0.86 动黏度5 cst) Cutting oil (specific gravity 0.86, dynamic viscosity 5 cst)

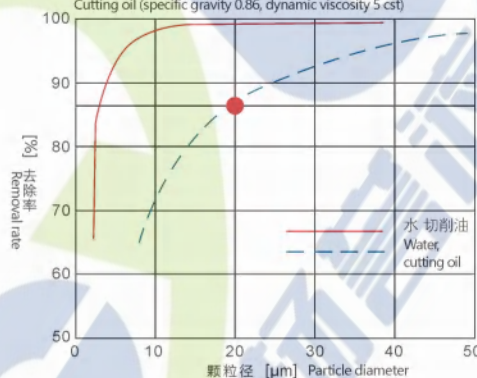


图2和图3表示, 供应压力为0.2、0.3Mpa的时候, 对水(比重1 动黏度1cst)和切削油(比重0.86 动黏度5cst)的去除率比较。JN-70当使用在切削油等含有粘性液体的时候, 去除率低于水。但在5cst的切削油, 粒径为20 μm, 则去除率高达80%。

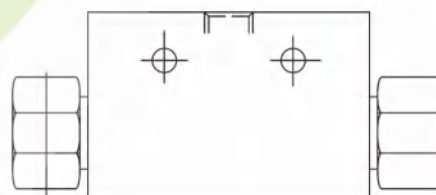
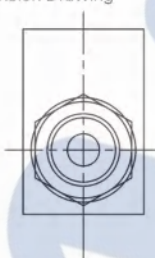
Fig. 2 and Fig. 3: Comparison of removal rates of water (specific gravity 1, dynamic viscosity 1 cst) and cutting oil (specific gravity 0.86, dynamic viscosity 5 cst) at supply pressures of 0.2Mpa and 0.3Mpa.

When JN-70 is used in viscous liquids such as cutting oil, the removal rate is lower than that of water. However, the removal rate is as high as 80% for 5cst cutting oil with particle size 20 μm.

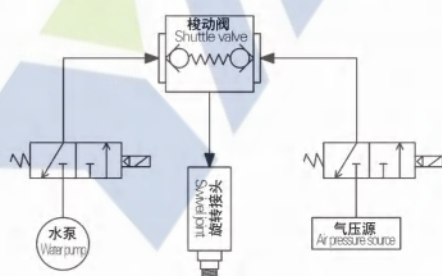
SVR38-70主轴高压中心内冷气液转换梭动阀

SVR38-70 Spindle High Pressure Center Cooling Gas-Liquid Shuttle Changeover Valve

1. 外形尺寸图 Dimension Drawing

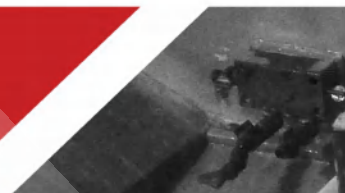


2. 梭动阀安装原理图 Installation Diagram of Shuttle Valve



操作压力: 70bar
Operating pressure: 70bar
环境温度: -15度 ~ 80度
Ambient temperature: -15°C ~ 80°C
适用流体: 一般中性流体
Applicable fluid: General neutral fluid
通过孔径: 10mm
Through-hole diameter: 10mm
阀体材质: 铝合金
Valve body material: Aluminum alloy

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EFPS系列

EFPS Series



技术说明 Technical Description

型号 Model	EFPS4
用途 Usage	低压旋装过滤器 Low pressure spin-on filter
接口尺寸 Interface size	G $\frac{3}{4}$ ", G1 $\frac{1}{4}$ ", $\frac{3}{4}$ " NPT, 1 $\frac{1}{4}$ " NPT
流量 Flow	至250 l/min Up to 250 l/min;
工作压力 Working pressure	最大12 bar Max. 12 bar
爆破压力 Burst pressure	25 bar
滤芯压差 Filter element differential pressure	4 bar
旁通阀开启压力 Bypass valve opening pressure	$\Delta P=1.7\text{bar}+0.3\text{bar}$
密封 Sealing	丁腈橡胶或氟橡胶(-10° C至100° C) Nitrile rubber or fluorine rubber (-10° C to 100° C)
材料 Materials	上壳体：铸铝；筒体：钢 Upper shell: Cast aluminum; body: steel
过滤精度 Filtration accuracy	25 μm 左右（如需精度更密的,可订制。） Approx. 25 μm (Customizable if required)



EFPL系列

EFPL Series



技术说明 Technical Description

型号 Model	EFPL5
用途 Usage	中压过滤器 Medium pressure filter
接口尺寸 Interface size	G 1/2", G 1", M18x1.5 & M33x2
流量 Flow	至160 l/min Up to 160 l/min
工作压力 Working pressure	最大至110 bar Up to 110 bar
爆破压力 Burst pressure	330 bar
滤芯压差 Filter element differential pressure	滤纸10 bar Filter paper 10 bar
	玻璃纤维21 bar Fiberglass 21 bar
	金属网30 bar Metal mesh 30 bar
旁通阀开启压力 Bypass valve opening pressure	$\Delta P = 6\text{bar} + 0.6\text{bar}$
密封 Sealing	丁腈橡胶或氟橡胶(-10° C至100° C) Nitrile rubber or fluorine rubber (-10° C to 100° C)
材料 Materials	铝合金 Aluminum alloy
过滤精度 Filtration accuracy	25 μm左右 (如需精度更密的,可订制。) Approx. 25 μm (Customizable if required)

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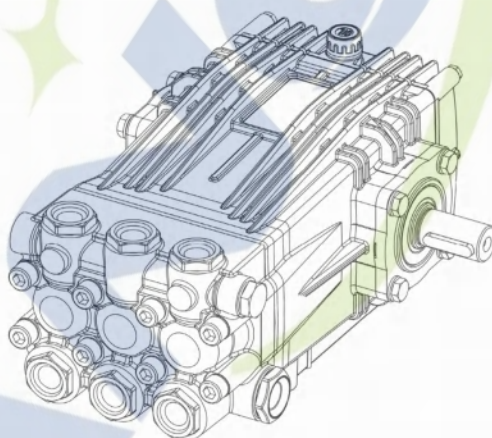


滤筒 Filter Cartridge

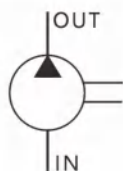


- 过滤精度：25 μ m左右（如需精度更密的,可订制。）
- 入口尺寸：1寸DN25宝塔接头
- 说明：内含堵塞报警，堵塞警报压力高于2Bar，常开变常闭报警
- Filtration accuracy: Approx. 25 μ m (Customizable if required)
- Inlet size: 1" DN25 Pagoda joint
- Note: Including blockage alarm with alarm pressure higher than 2Bar, NO to NC alarm

柱塞泵 Plunger Pump

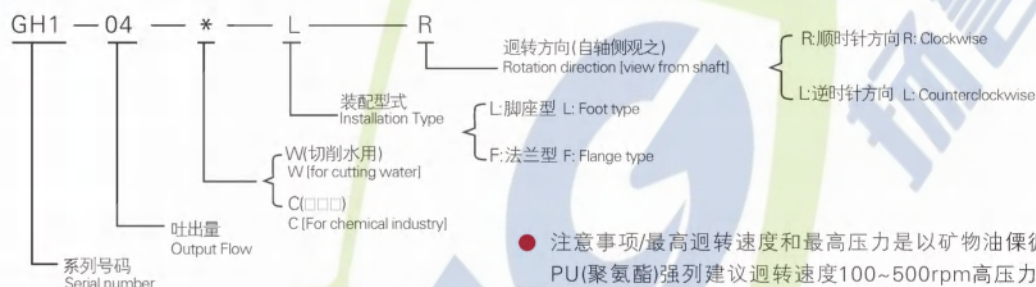


转速 Speed	型号 Model	流量 Flow		压力 Pressure		功率 Power		重量 Weight	轴类型 Shaft Type
		L/MIN	GPM	BAR	PSI	HP	KW		
1000	CB50/15S	50.0	13.2	150	2175	19.2	14.3	17.5	S=□□□□□□24mm S-MALE Shaft 24 mm RIGHT S = Input shaft diameter 24mm;
1450	CC70/15S	70.0	18.5	150	2175	26.9	20.1	17.5	
1750	CD18.5/22S	70.0	18.5	150	2175	26.9	20.1	17.5	



- 本系列计量齿轮泵浦，吐出脉动小，流量准确，连续运转安定，寿命长，适用于一般产业机械、PU(聚氨酯)灌注机、深孔切削冲洗(枪钻)、酸硷溶液、重油...。
- This series of metering gear pumps have small pulse, accurate flow rate, continuous operation stability and long life. It is suitable for general industrial machinery, PU (polyurethane) filling machines, deep hole cutting and washing machine (gun drill), acid-base solution, heavy oil, etc.

● 型式号码表示法 Model Number Description



- 注意事项/最高迴转速度和最高压力是以矿物油循环油为基准。
PU(聚氨酯)强烈建议迴转速度100~500rpm高压35~50kg/cm。
- Note: The maximum rotation speed and maximum pressure are based on the mineral oil and circulating oil. The recommended rotation speed of PU (polyurethane) is 100~500rpm and the high pressure is 35~50kg/cm.

泵浦性能表 SPECIFICATION

型式号码 Model Number	最高压力 MAX PRESSURE kg/cm ²	吐出量 OUTPUT FLOW cc /rec	配管尺寸 Piping Size		迴转速度 Rotation Speed		重量 Weight
			出口 Outlet	入口 Inlet	最低 Min	最高 Max	
GH1-02	140	2.2	1/2"	3/4"	200	2000	8
GH1-04		4.5					8.5
GH1-07		7					9
GH1-10		10.4					9.5
GH1-15		15					9.8
GH1-19	120	19	3/4"	1"	200	2000	10.5
GH2-25		25					19
GH2-30		30					19.5
GH2-35		35					20
GH2-40	100	40	1"	1 1/4"	200	1800	20.5
GH4-50		50					30
GH4-60		60					31
GH4-70		70					32
GH4-80		80					33

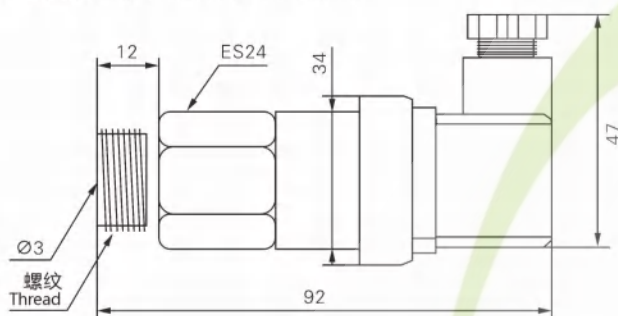
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机械可调式压力开关PC110系列

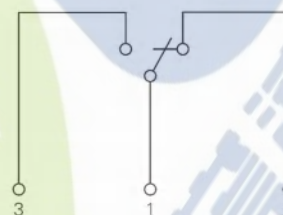
Pc110 Series Mechanical Adjustable Pressure Switch

尺寸图(mm) Dimension Drawing (mm)



接线图:

Wiring Diagram



● 原理结构 Principle Structure

内置活塞与精密弹簧相连,当压力变化时,弹簧伸缩量发生相应变化,当压力达到设定值时,会触发预设的机械结构并发出开关信号。

The built-in piston is connected with the precision spring. When the pressure changes, the spring expansion and contraction changes accordingly. When the pressure reaches the set value, the preset mechanical structure will be triggered to send the On/Off signal.

● 产品特点 Features

结构紧凑,采用DN标准插头,接线机器方便,测量范围广(0-400bar)。过载能力高(可高达:1230bar),高重复性,具有常开或常闭触点,接点镀金,触点容量大。可用于水、油、气体压力的测量。

Compact structure, DN standard plug, convenient wiring and wide measurement range (0-400bar). High overload capacity (up to 1,230bar), high repeatability, NO or NC contacts, gold-plated contacts and large contact capacity. It can be used to measure the pressure of water, oil and gas.

技术参数 Technical Parameters

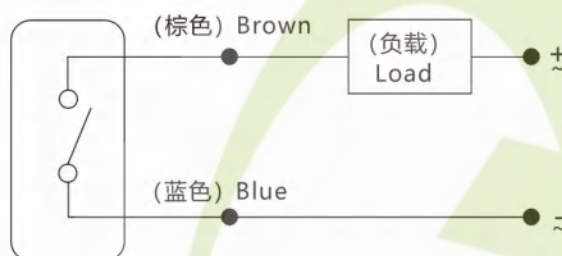
测量范围 Measurement Range	详见下表 See the following table for details
迟滞 Delay	10...20% 设定值 (25%-35%, 1%-5% 可选) 10 - 20% set value (25%-35%, 1%-5%, optional)
误差 Error	3% 设定值 3% set value
输出 Output	常开 + 长闭 接点镀金 Gold-plated NO and NC contacts
	≤DC 42V, 1A
	≤DC 115V, 0.15V
	≤DC 42V, 3A
	≤DC 125V, 3A
	≤DC 250V, 0.5A
介质温度 Medium temperature	-20...85℃ (-40...160℃ 可选)
防护保护 Protection	IP65
接线方式 Wiring method	端子接线 Terminal wiring
材料 Material	
膜片: Membrane	NBR
活塞: Piston	钢制活塞带有NBR密封 Steel piston with NBR seal
过程连接 Process connection	镀锌钢/不锈钢 Galvanized steel/stainless steel
外壳: Shell	工程塑料 Engineering plastics



中心出水专用型液位控制器 LC210

LC210 SPECIAL LEVEL CONTROLLER CENTER DISCHARGE

亚德客控制单元(两线制开关) AirTAC Control Unit (Two-Wire Switch)



● 原理与特点 Principle and Features

导磁性感应干簧管，浮球导杆装有环形磁环，浮球随液位的上升或下降移动，从而触发或释放不锈钢管内的磁簧开关，发出开关信号。可在顶部或底板安装，结构紧凑坚固，性能可靠，重复性好，寿命长，耐温高260℃。

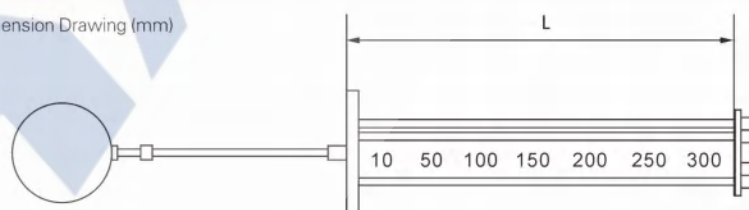
Magnetic reed switch and float rod with annular magnetic ring. The float ball moves up and down according to the liquid level, thereby triggering or releasing the magnetic reed switch in the stainless steel tube to send On/Off signal.

It can be installed on the top or bottom plate, compact structure, robust, reliable performance, good repeatability, long life and high temperature resistance 260℃.

技术参数 Technical Parameters

测量行程 Measuring stroke	300mm, 450mm
介质温度 Medium temperature	-20℃... 120℃
介质密度 Medium density	≥0.75g/cm ³
输出 Output	常开/PNP/NPN NO/PNP/NPN
触点类型 Contact type	磁感开关 Magnetic switch
触点容量 Contact capacity	10W
防护等级 IP rating	IP68
接线方式 Wiring method	直接附线 Direct wiring
材料 Material	
浮球 Float ball	不锈钢 Stainless steel
本体 Body	氧化铝 Alumina
显示窗 View window	工程塑料 Engineering plastics

尺寸图(mm) Dimension Drawing (mm)



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中心出水系统常见故障

Common Faults of Center Discharge System

- 1 安装前，请仔细阅读使用说明并按要求操作。
 - 2 为防止触电危险，中心出水必须接到有漏电保护开关的电源上。
 - 3 在泵浦的电器安装回路上还必须安装合适的保险丝，保险丝的规格应按照泵浦铭牌标称电流的2倍进行选用。
 - 4 所有导线应当由专业电工（持有国家安全生产监督管理局颁发的电工技能书）按照当地标准安装，泵浦一定要可靠接地。
- 1 Please read the instructions carefully before installation and operate as required.
 - 2 In order to prevent electric shock, the center discharge system must be connected to the power supply with leakage protection switch.
 - 3 A suitable fuse must also be installed on the circuit of the pump parts. The fuse shall be twice the nominal current shown on the nameplate.
 - 4 All wires shall be installed by professional electricians (with electrician certificate issued by the State Administration of Work Safety) according to local standards and the pumps must be reliably grounded.

序号 No.	现象 Faults	可能原因 Possible Causes	处理方法 Solutions
1	电机不能启动 Motor does not start	1. 电源故障 Power failure	1. 检查电源 Check the power supply
		2. 电机过载 Motor overload	2. 检查系统 Check the system
		3. 控制电路问题 Control circuit issue	3. 检查控制电路 Check the control circuit
2	不出水 Water does not come out	1. 泵浦反转 Pump reverses	1. 调整电机接线 Adjust the motor wiring
		2. 浸入不深 Not deeply immersed	2. 降低泵浦安装位置 Reduce the pump installation position
		3. 进空气 Air comes in	3. 增加蓄水量,排空气 Increase water storage capacity and discharge the air
3	声音异常不出水 Abnormal noise without water	1. 液位过低 Liquid level too low	1. 检查泵浦安装液下位置 Check the pump installation position below the liquid level.
		2. 吸送液体温度过高 Suction liquid temperature too high	2. 降低温度 Reduce the temperature
4	噪音过大 Noise is too loud	1. 电子轴承或泵浦内部 Inside electronic bearing or pump	1. 更换电机轴承或泵浦 Replace the motor bearing or pump
		2. 零件损坏 Part damaged	2. 更换零件或维修 Replace or repair the part

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设计合理
Reasonable Design



优质选材
High-quality Material



质量可靠
Reliable Quality



做工精细
Fine Workmanship



持久耐用
Durable



精益求精
Striving for excellence



服务及时
Timely Service

扬普液压



昆山九野流体科技有限公司
KUNSHAN JIUYE STREAM TECHNOLOGY CO., LTD.

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