



川源(中国)机械有限公司
GSD (China) Co., Ltd.



SRP

沉水式回流泵

SRP submersible reflux pump

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使用条件 Usage conditions

- 介质温度：≤40°C
- 介质pH值：5-9
- 潜水深度：≤20m
- The temperature of the media shall not be higher than 40°C.
- The pH value of the media shall be 5-9.
- The maximum depth of submersion shall be 20 m.

用途 Application

SRP系列沉水式回流泵是在潜水搅拌机生产技术基础上开发出的产品，该泵为二级污水处理厂混合液回流、反硝化脱氮除磷的专用设备，亦适用于污水、排污、水处理过程中微扬程、大流量场所。

The submersible reflux pump of model SRP series is a product developed on the basis of the production technique of submersible mixers, it is a special equipment used for the reclamation of the mixed liquids, denitrification, denitridation and nitrogen removal in Class II sewage treatment plant and also used in the locations which require low lift and large discharge in the ground surface water supply or drainage projects and water treatment projects.

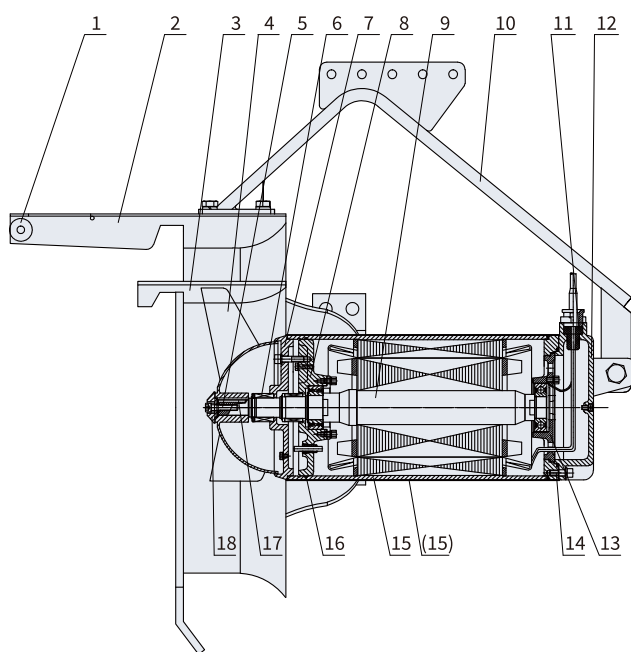
特点 Features

- 按照微扬程、大流量的工作模式特别设计。
- 主机采用不锈钢冲压成型结构，水力性能好，效率高。
- 一体化吊装设计，可实现在水下快速安装。
- 采用双重机械密封和多重电机保护功能，提高运行可靠性。
- Special design is made to the operating mode of short lift and large discharge.
- The main equipment employs the stainless structure of the punched components, resulting in very good hydraulic performance and high efficiency.
- The integrated installation design can realize the quick underwater installation.
- The dual mechanical sealing arrangement and the multiple motor protection will improve operating reliability.

型号说明 Type description

SRP	10 / 12		
		电机极数	Cascade number of the motor
		电机额定功率 (kW)	Rated power of motor (kW)
		沉水式回流泵	Submersible reflux pump

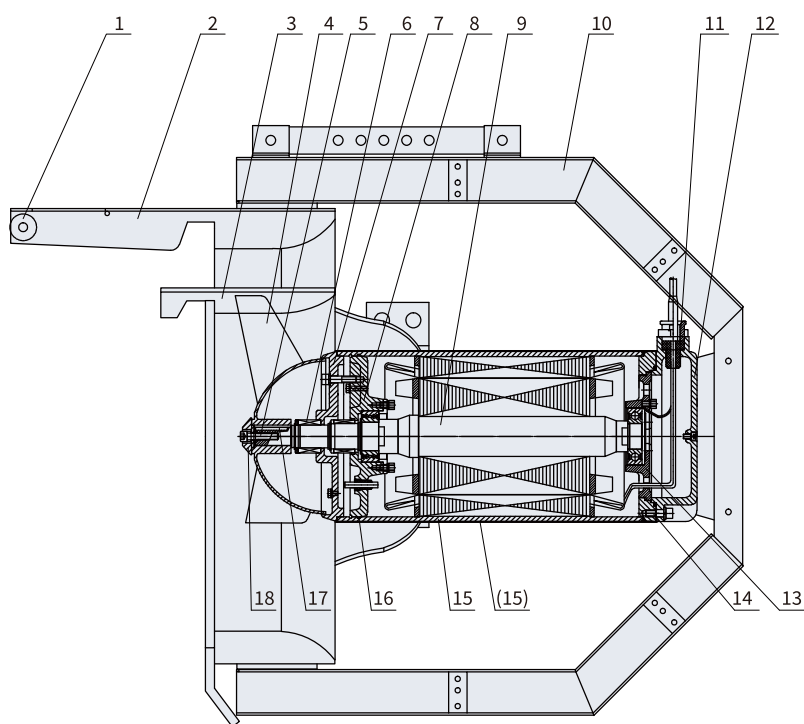
SRP10/12及以下结构简图 Construction



NO.	名称	Name	材质 Material	
			GB	JIS
1	滚轮	Roller	0Cr19Ni10	SUS304
2	耦合总成	Coupling assembly	0Cr19Ni10	SUS304
3	导流罩总成	Guide cover assembly	0Cr19Ni10	SUS304
4	叶桨	Propeller	0Cr19Ni10	SUS304
5	锁紧螺钉	Lock nut	0Cr19Ni10	SUS304
6	机械密封	Mechanical seal	SiC-SiC	SiC-SiC
7	机封座	Mechanical seal stand	0Cr19Ni10	SUS304
8	前轴承座	Front bearing support	HT200	FC200
9	转子总成	Rotor assembly	0Cr19Ni10	SUS304
10	提拔	Handle	0Cr19Ni10	SUS304
11	水密头	Wartight head	硫化橡胶	VR
12	接线盒	Junction box	0Cr19Ni10	SUS304
13	后轴承座	Rear bearing support	HT200	FC200
14	内六角螺钉	Inner hexagonalscrew	0Cr19Ni10	SUS304
15	定子总成	Stator assembly	-	-
(15)	外包层	Sheath	0Cr19Ni10	SUS304
16	O型橡胶密封圈	O-type sealant ring	丁腈-70	NBR-70
17	平键	Flat key	45	-
18	叶轮压紧圈	Wheel clamp ring	0Cr19Ni10	SUS304

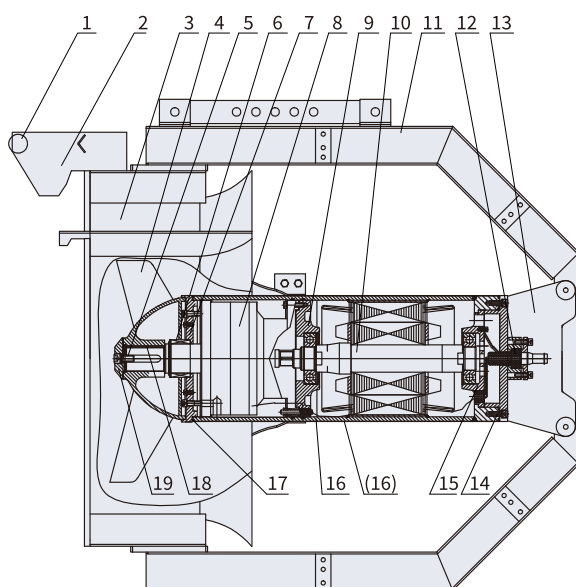


SRP15/12结构简图 Construction



NO.	名称	Name	材质 Material	
			GB	JIS
1	滚轮	Roller	0Cr19Ni10	SUS304
2	耦合总成	Coupling assembly	0Cr19Ni10	SUS304
3	导流罩总成	Guide cover assembly	0Cr19Ni10	SUS304
4	叶桨	Propeller	0Cr19Ni10	SUS304
5	锁紧螺钉	Lock nut	0Cr19Ni10	SUS304
6	机械密封	Mechanical seal	SiC-siC	SiC-SiC
7	机封座	Mechanical seal stand	0Cr19Ni10	SUS304
8	前轴承座	Front bearing support	HT200	FC200
9	转子总成	Rotor assembly	0Cr19Ni10	SUS304
10	提拔	Handle	0Cr19Ni10	SUS304
11	水密头	Wartight head	硫化橡胶	VR
12	接线盒	Junction box	0Cr19Ni10	SUS304
13	后轴承座	Rear bearing support	HT200	FC200
14	内六角螺钉	Inner hexagonalscrew	0Cr19Ni10	SUS304
15	定子总成	Stator assembly	-	-
(15)	外包层	Sheath	0Cr19Ni10	SUS304
16	O型橡胶密封圈	O-type sealant ring	丁腈-70	NBR-70
17	平键	Flat key	45	-
18	叶轮压紧圈	Wheel clamp ring	0Cr19Ni10	SUS304

SRP18.5/4、SRP22/4结构简图 Construction



NO.	名称	Name	材质 Material	
			GB	JIS
1	滚轮	Roller	0Cr19Ni10	SUS304
2	耦合总成	Coupling assembly	0Cr19Ni10	SUS304
3	导流罩总成	Guide cover assembly	0Cr19Ni10	SUS304
4	叶桨	Propeller	0Cr19Ni10	SUS304
5	锁紧螺钉	Lock nut	0Cr19Ni10	SUS304
6	机械密封	Mechanical seal	SiC-SiC	SiC-SiC
7	机封座	Mechanical seal stand	0Cr19Ni10	SUS304
8	前轴承座	Front bearing support	HT200	FC200
9	行星减速机	Planetary reducer	-	-
10	转子总成	Rotor assembly	0Cr19Ni10	SUS304
11	提拔	Handle	0Cr19Ni10	SUS304
12	水密头	Waretight head	硫化橡胶	VR
13	接线盒	Junction box	0Cr19Ni10	SUS304
14	后轴承座	Inner hexagonal screw	HT200	SUS304
15	内六角螺钉	Rear bearing support	0Cr19Ni10	FC200
16	定子总成	Stator assembly	-	-
(16)	外包层	Sheath	0Cr19Ni10	SUS304
17	O型橡胶密封圈	O-type sealant ring	丁腈-70	NBR-70
18	平键	Flat key	45	-
19	叶轮压紧圈	Wheel clamp ring	0Cr19Ni10	SUS304

性能参数 Performance parameters

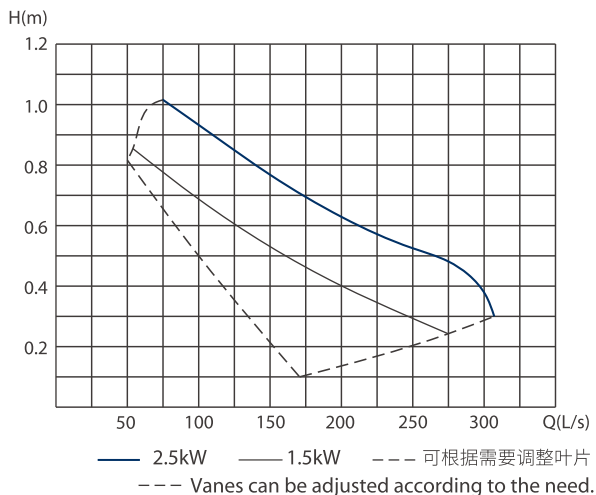
型号 Type	电机功率/电机极数 Motor power/Motor series (kW)	额定电流 Rated current (A)	叶轮直径 Dia. of impeller (mm)	转速 Speed r/min	防护等级 Degree of protection	绝缘等级 Insulation class	穿墙管公称通径 Nominal dia. of sleeve (mm)	减速机 Reducer
SRP1.5/8	1.5/8	5.2	400	740	IP68	F	400	无
SRP2.5/8	2.5/8	7	400	740	IP68	F	400	无
SRP4/6	4/6	10.3	400	960	IP68	F	400	无
SRP4/12	4/12	14	620	480	IP68	F	600	无
SRP5/12	5/12	18.2	620	480	IP68	F	600	无
SRP7.5/12	7.5/12	28	620	480	IP68	F	600	无
SRP10/12	10/12	32	620	480	IP68	F	600	无
SRP15/12	15/12	39	620	480	IP68	F	600	无
SRP18.5/4	18.5/4	36	760	310	IP68	F	800	有
SRP22/4	22/4	42	760	310	IP68	F	800	有



性能曲线

此曲线为泵的特性曲线，不包括扩散管和进出口的损失。

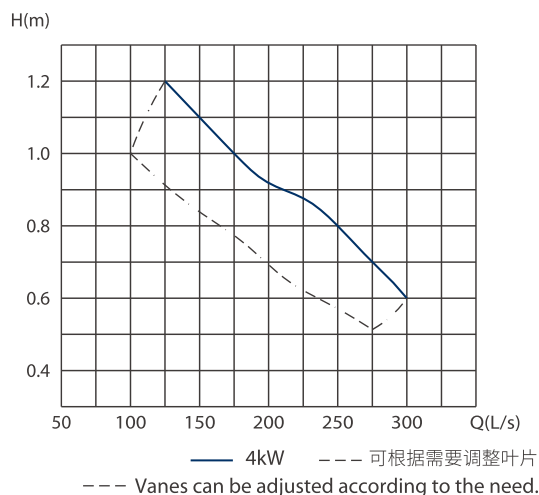
SRP1.5/8 SRP2.5/8



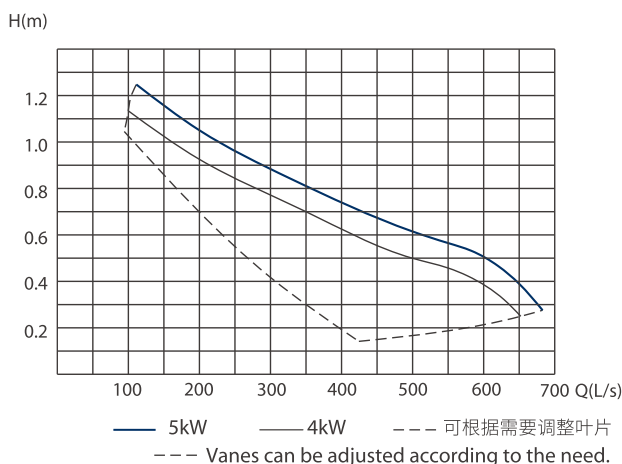
Performance curves

The curves are the characteristic curves of the pump, not including the loss of the diffusing tubes as well as the inlet and outlet.

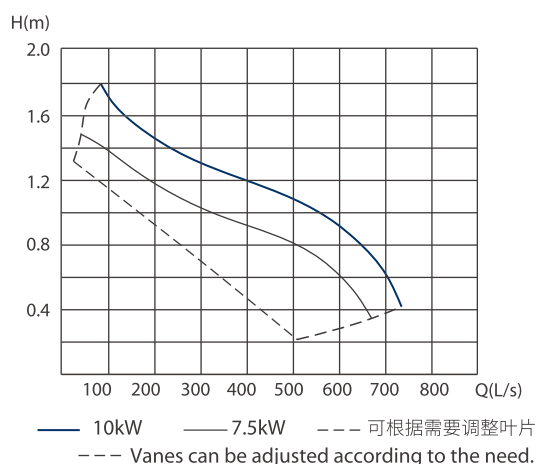
SRP4/6



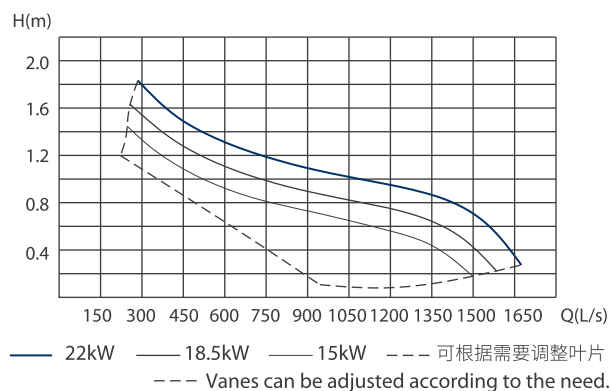
SRP4/12 SRP5/12



SRP7.5/10



SRP15/12 SRP18.5/4 SRP22/4



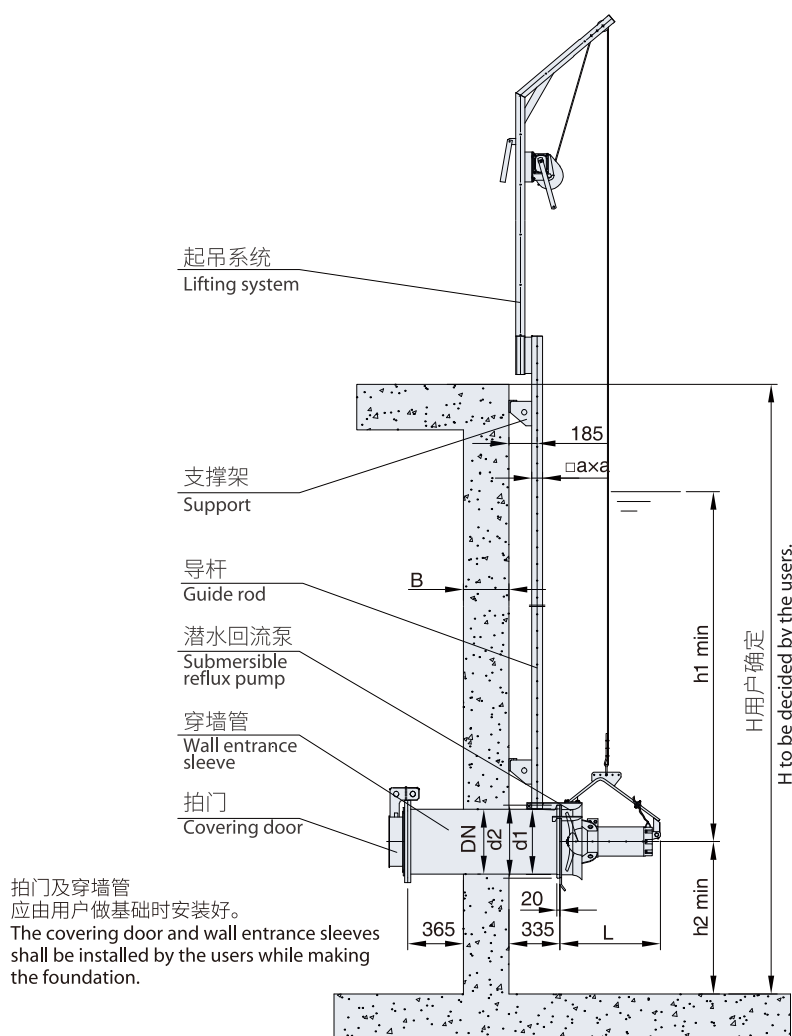
安装

特别提醒：正确安装使用是该泵长久、正常运转的基本保证。沉水式回流泵采用自动耦合安装系统，不用任何机械拆卸便可迅速提升，方便快捷。本设备除穿墙管需预埋外，导杆、起吊杆用膨胀螺栓与池体连接，无需预埋件。预埋件和拍门由用户自行采购安装。

Installation

Special warning to the users: The correct installation and usage is a basic guarantee to the long-term and normal operation of the pump. The submersible reflux pump employs the automatic coupling installation system, which facilitates quick elevation without any mechanical dismantling, hence the convenience and quickness. Apart from the wall entrance sleeves that require preembedding, the guide rod and lifting rod of the present equipment are to be connected with the pond wall with the use of expansion bolts without the need of any other pre-embedded parts. The pre-embedded parts and the covering door shall be purchased and installed by the users.

外形及安装尺寸 Installation dimensions

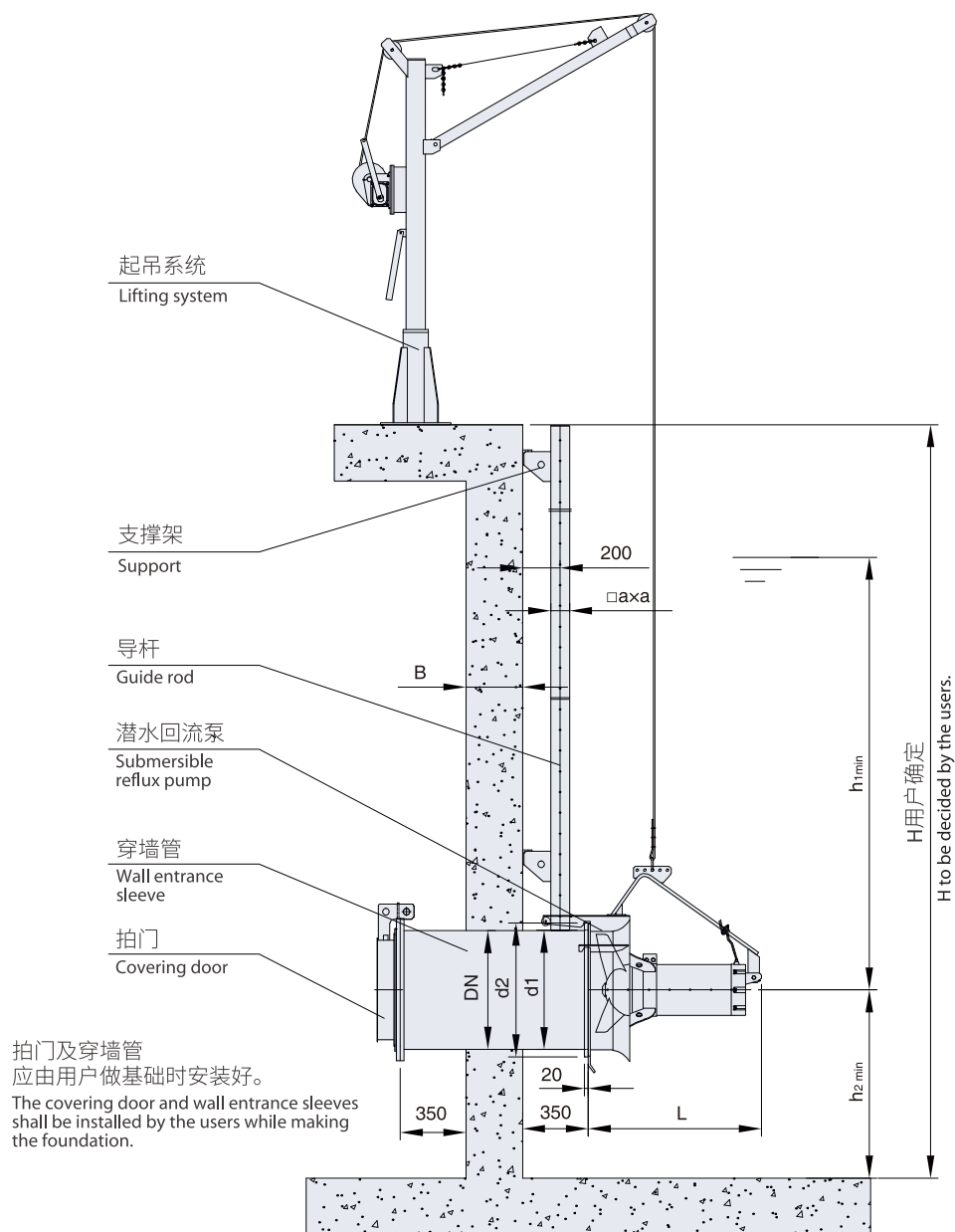


单位: (mm)

型号 Type	a	d1	d2	DN	L	h1 min	h2 min	B
SRP1.5/8	70	430	480	400	610	1200	350	300
SRP2.5/8	70	430	480	400	670	1200	350	300
SRP4/6	70	430	480	400	710	1200	350	300

备注：各型号安装系统细部结构略有不同。

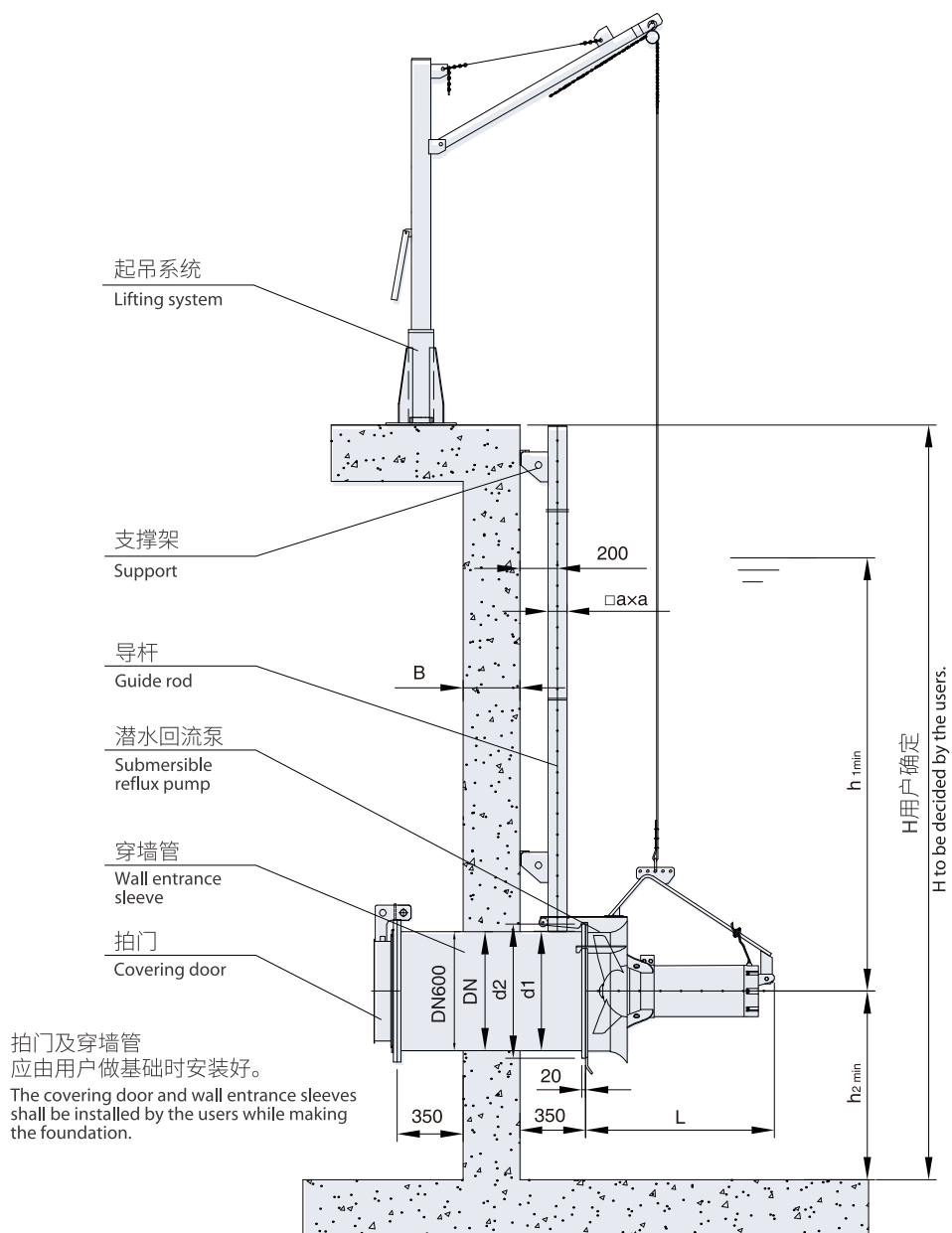




单位: (mm)

型号 Type	a	d1	d2	DN	L	$h_{1\min}$	$h_{2\min}$	B
SRP4/12	100	634	710	600	960	1500	550	300
SRP5/12	100	634	710	600	960	1500	550	300

备注: 各型号安装系统细部结构略有不同。

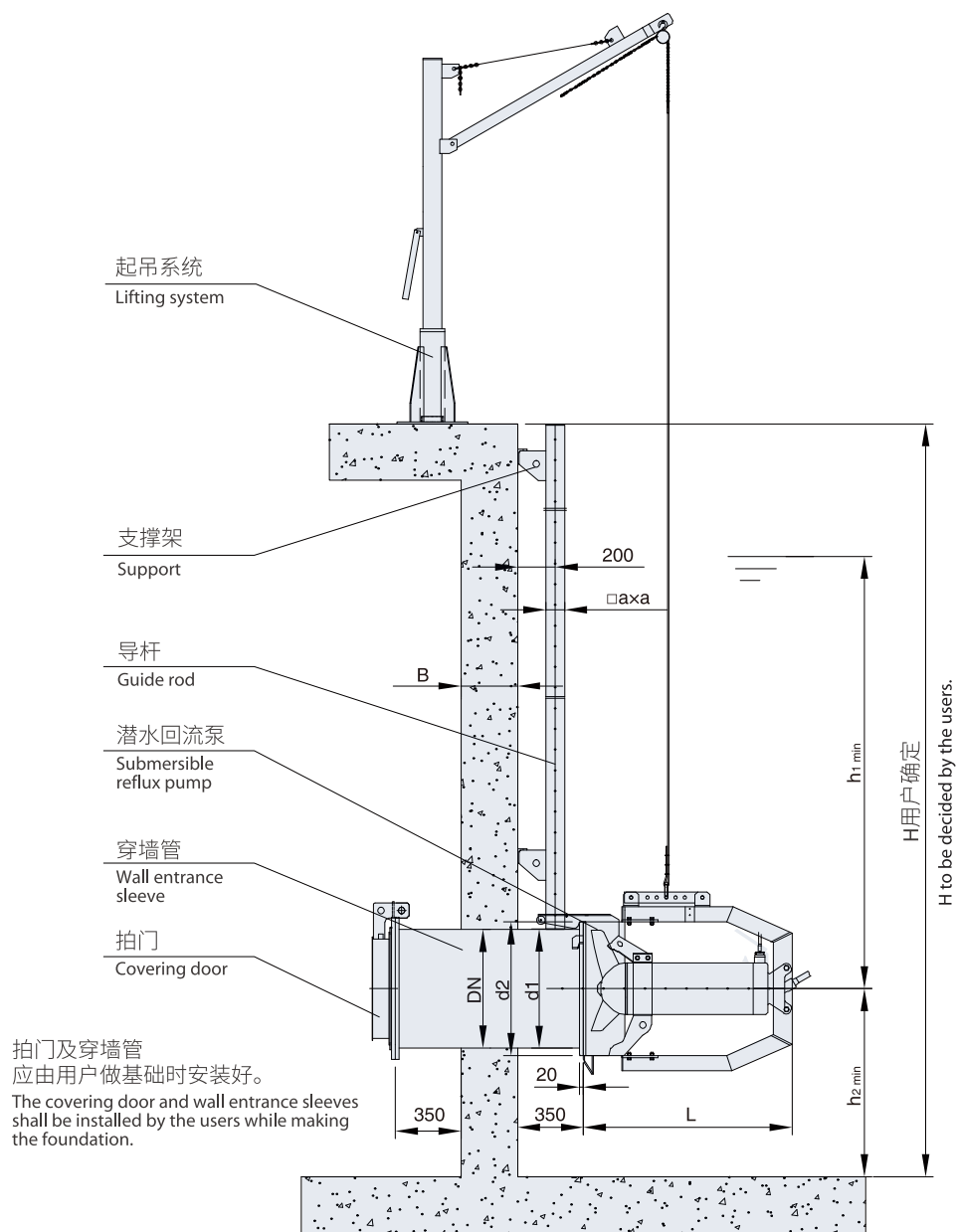


单位: (mm)

型号 Type	a	d1	d2	DN	L	h_{1min}	h_{2min}	B
SRP7.5/12	100	634	710	600	1000	1800	550	300
SRP10/12	100	634	710	600	1000	1800	550	300

备注: 各型号安装系统细部结构略有不同。



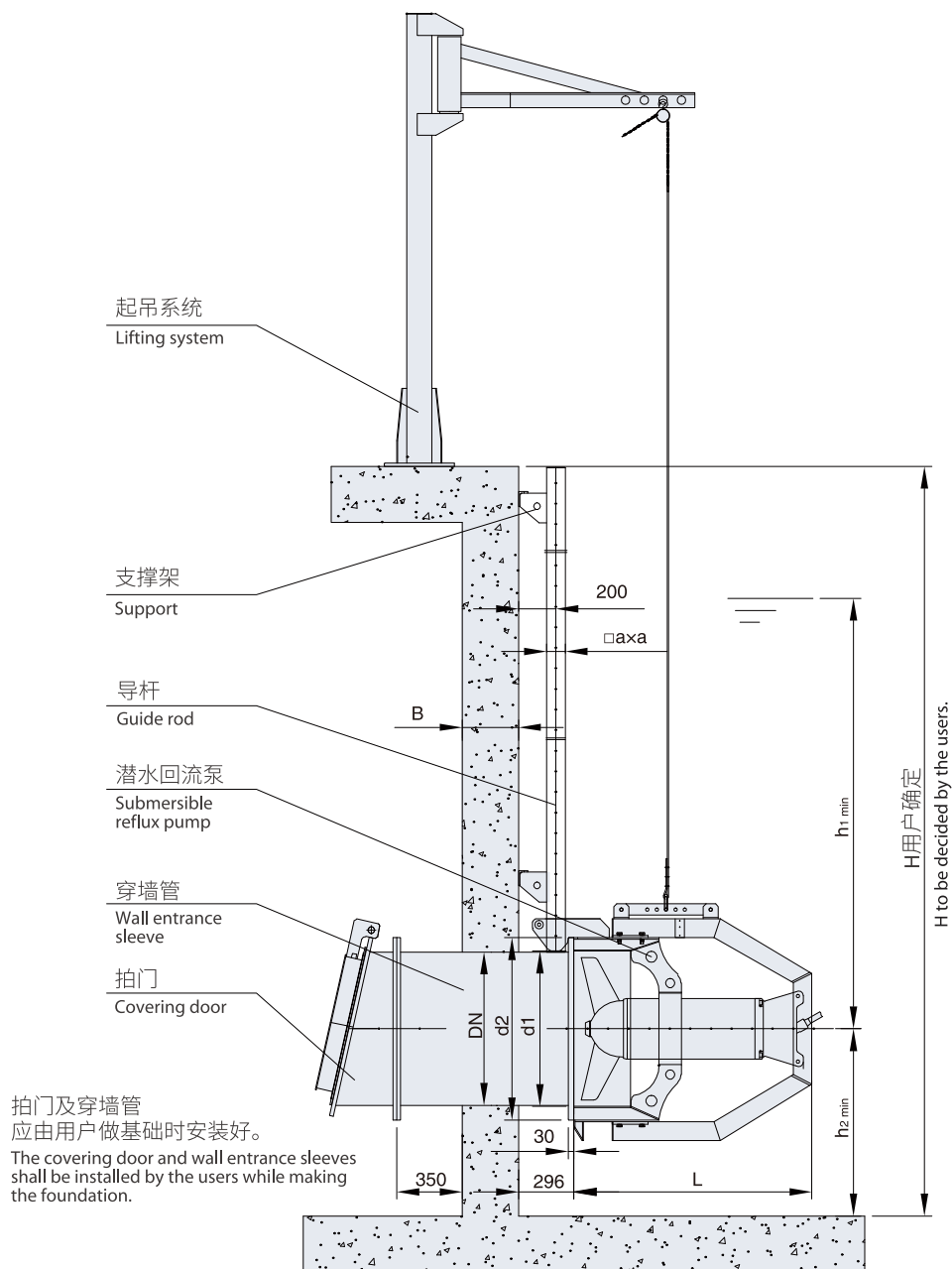


单位: (mm)

型号 Type	a	d1	d2	DN	L	h1 min	h2 min	B
SRP15/12	100	634	710	600	1120	1800	550	300

备注: 各型号安装系统细部结构略有不同





单位: (mm)

型号 Type	a	d1	d2	DN	L	h1 min	h2 min	B
SRP18/4	100	824	975	800	1300	2500	800	300
SRP22/4	100	824	975	800	1300	2500	800	300

备注: 各型号安装系统细部结构略有不同。



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	泵系列 Pump Series	潜水泵系列 陆上泵系列 特种泵系列 Submersible pump series On land pump series Special pump series
	搅拌推流系列 Mixing and flow propeller	搅拌机系列 推流器系列 Mixing series Flow propeller series
	供氧曝气系列 Aeration equipment series	曝气机系列 曝气盘系列 曝气管系列 Aerator series Disc diffusers Tube diffusers
	风机系列 Blower Series	磁悬浮鼓风机 空气悬浮鼓风机 三叶罗茨鼓风机系列 Maglev turbo blower Turbo blower Three-lobe Roots Blower blower series
	污泥处理设备 Sludge treatment equipment	带式脱水机 厢式压滤机 叠螺式脱水机 污泥干化设备 浅层高效气浮设备 Belt filter press Box filter press Screw press Mud scraper Dissolved air flotation clarifier
	智能化系列 Intelligent series	智能设备 水务设备健康管理 水务系统工艺优化智联管理 Intelligent equipment Health management for water equipment Intelligent management for water system process
	反应器及套装设备 Reactor and package equipment	芬顿反应系统 MBR生物膜反应器 预制泵站 一体化污水处理设备 Fenton reaction system MBR biofilm reactor Prefabricated pumping station Intelligent Compact Unit
	耗材药剂及相关设备 Consumables, reagents and related equipment	生物绳 PAC 聚合氯化铝 PAM 聚丙烯酰胺 泡药设备 Biological rope PAC polyaluminum chloride PAM polyacrylamide Automatic dispensing dissolvers

GSD 的经营理念 Business Philosophy

G-Green 绿色 S-Safe 安全 D-Development 永续经营



川源(中国)机械有限公司
GSD (China) Co., Ltd.

水处理系统专业合作伙伴

Professional partners in water treatment systems

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