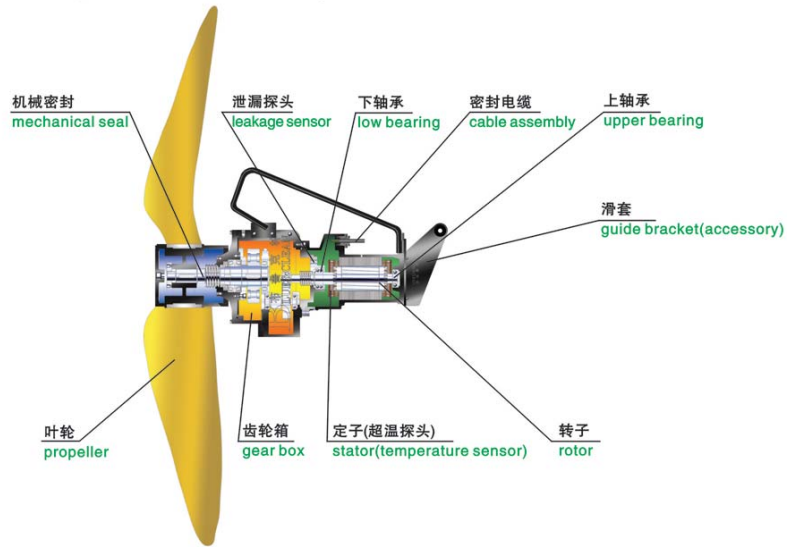
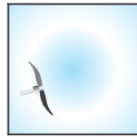


潜水推流机 Low-speed-flow Submersible Agitators

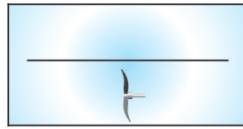


潜水推流机性能参数 Low-speed-flow Submersible Agitator Technical Data

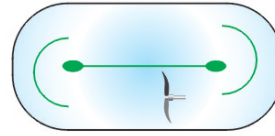
型号 Model	功率 Power	电流 Current	叶轮直径 Propeller diameter	叶轮转速 Propeller rotation speed	重量 Weight	安装系统 Installation serials	水推力 Thrust
	(kW)	(A)	(mm)	(r/min)	(kg)		(N)
QJB1.5/4-1100/2-35/P	1.5	4	1100	35	218	安装系统5-2 Serials5-2	1100
QJB2.2/4-1100/2-35/P	2.2	6	1100	35	226		1970
QJB3/4-1100/2-35/P	3	8	1100	35	230		2410
QJB4/4-1100/2-35/P	4	9	1100	42	235		2930
QJB2.2/4-1400/2-35/P	2.2	6	1400	35	235		2180
QJB3/4-1400/2-35/P	3	8	1400	35	238		2520
QJB4/4-1400/2-42/P	4	9	1400	42	240		3020
QJB2.2/4-1600/2-35/P	2.2	6	1600	35	238		2290
QJB3/4-1600/2-35/P	3	8	1600	35	240		2610
QJB4/4-1600/2-35/P	4	9	1600	35	243		3050
QJB2.2/4-1800/2-35/P	2.2	6	1800	35	240		2360
QJB3/4-1800/2-35/P	3	8	1800	35	240		2750
QJB4/4-1800/2-35/P	4	9	1800	35	245		3090
QJB5.5/4-1800/2-35/P	5.5	13	1800	35	260		3430
QJB7.5/4-1800/2-35/P	7.5	17	1800	35	270		3980
QJB4/4-2500/2-30/P	4	9	2500	30	290		3230
QJB5.5/4-2500/2-35/P	5.5	13	2500	35	300		3890
QJB7.5/4-2500/2-35/P	7.5	17	2500	35	310		4200



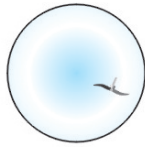
方形池
Squar pond



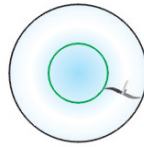
矩形池
Retangular pond



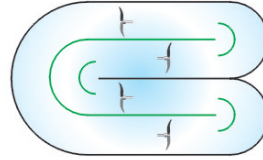
跑道形池
Road-shaped pond



圆形池
Circular pond



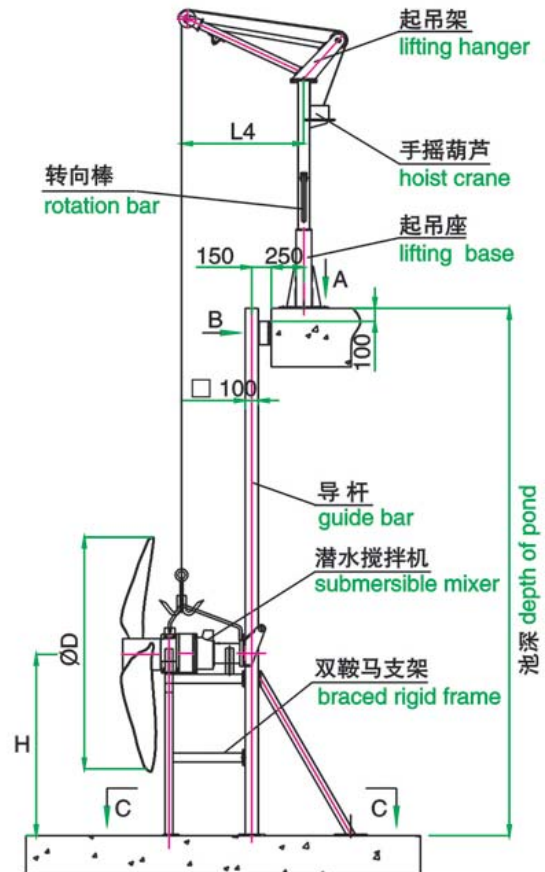
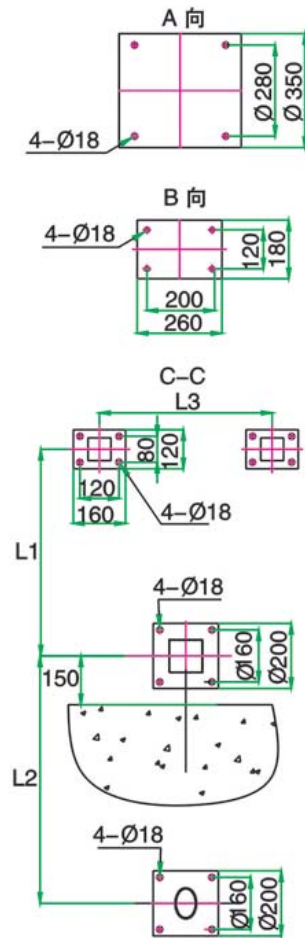
环形池
Ring-shaped pond



S曲线形池
S-shapde pond

安装系统5-2

Serials5-2



选型指南 Model Selection Guide

潜水搅拌机和潜水推流机的选型是非常重要的，选型方案的正确与否直接影响到设备的运行效果以及未来的运营成本。作为选型的原则就是要让潜水搅拌机和潜水推流机在适合的容积里发挥充分的搅拌和推流功能，这个一般可用流速来确定。根据污水处理厂的不同工艺要求，潜水搅拌机和潜水推流机选型的最佳流速应保证在0.15~0.3m/s之间，如果低于0.15m/s的流速则达不到推流搅拌的效果，如果超过0.3m/s的流速则会影响工艺效果且造成浪费。为了选择恰当型号的潜水搅拌机和潜水推流机，以达到最佳效果，请用户提供如下资料，以便为您正确选型：

- 1、使用场合及目的；
- 2、池型；
- 3、池子尺寸：平面尺寸、池深、水深；
- 4、介质参数：密度、粘度、含固率、温度、PH值等；
- 5、其它要求。

为了满足在不同环境下都能达到最佳的搅拌推流效果，我们为用户提供了多种型号的潜水搅拌机和潜水推流机，同时可提供选型服务，用户也可参考下面的流场图进行选型。

潜水搅拌机和潜水推流机选型公式（仅供参考）：

潜水搅拌机和潜水推流机的功率（W） $\geq V (m^3) \times C (W/m^3) \times K1 \times K2 \times K3$
V实际污水的体积（池长×池宽×有效水深，m³）

C搅拌每吨清水所需的功率为4.8W/m³，推动每吨清水所需的功率为2.32W/m³

K1污水的密度校正系数，通常取K1=1.1~1.15

K2池型校正系数，通常取K2=1.06~1.1

K3功率备用系数，通常取K3=1.2

潜水搅拌机的功率（W） $\geq V (m^3) \times 6.8 (W/m^3)$

潜水推流机的功率（W） $\geq V (m^3) \times 3.5 (W/m^3)$



The type selection of submersible mixer is very important. The correctness of the type selection will directly affect the normal usage of the equipment. The principle for the type selection is to enable mixer to give full play to its mixing function in the appropriate volume. This standard can generally be determined by the flow velocity. In line with the different technological requirement of the sewage treatment, the optimum flow velocity for the mixer type selection shall ensure the velocity range of 0.15~0.3m/s. In case of the flow velocity lower than 0.15m/s, the effectiveness of agitation or mixing can not be achieved. In case of the flow velocity bigger than 0.3m/s, the technological effectiveness will be affected and waste will be caused. Therefore, to ensure to achieve the best effect, the customer should provide the following information:

- 1.usage occasion and purpose
- 2.shape of the pond,
- 3.dimensions of the pond: length and width of the pond, depth of water and depth of the pond
- 4.media properties: density, viscosity, temperature, pH value, solid content, etc.
- 5.additional information.

For the purpose of fulfilling the optimum mixing function in different environments, we can supply multiple types of the submersible mixers to the users and provide type selection service as well. Refer to the following diagrams of the flow field of submersible mixer.

Formulas for type selection of submersible mixer

Power of submersible mixer (W) $\geq V (m^3) \times C (W/m^3) \times K1 \times K2 \times K3$

V—volume of water (length×width×depth of water, m³)

C—submersible mixer 4.8W/m³, low-speed-flow submersible agitator 2.32W/m³

K1—correction factor, K1=1.1~1.15

K2—correction factor, K2=1.06~1.1

K3—correction factor, K3=1.2

Power of submersible mixer (W) $\geq V (m^3) \times 6.8 (W/m^3)$

Power of low-speed-flow submersible agitator (W) $\geq V (m^3) \times 3.5 (W/m^3)$