

● 用途 Applications

QXB型潜水离心式曝气机用于污水处理厂曝气池。曝气沉砂池中，对污水的混合液进行充氧及混合，以及对污水进行生化处理或养殖塘增氧，进气量为10~100m³/h，增氧能力为0.35~8.20kgO₂/h，电机功率为0.75~22kW。

The QXB immersible centrifugal aerator is used in aeration tanks and aerated grit chambers in sewage plants to mix the sewage mixture and make oxygenation, treat the sewage biologically and increase the oxygen amount for the culture ponds. The air intake amount is 10~100m³/h, aerobic capacity is 0.35~8.20kgO₂/h and the electrical power of the motor is 0.75~22kW.

● 工作原理及构造 Working Principle and Strucure

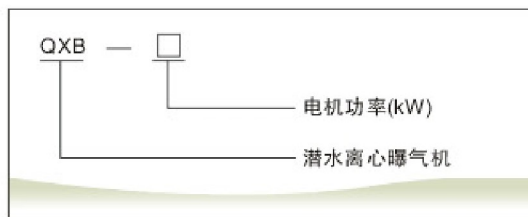
潜水曝气机由潜污泵、混合室、底座、进气管和消音器等组成。

进气管上端为空气吸入位于水面之上，下端与混合室联通，接通电源后由于叶轮旋转，高速水流从叶轮出口流出经混合室使之形成负压，因而空气被吸入并与液体混合，混合液从周边出口流出，完成对液体的充氧。

● 特点 Features

- 1、结构紧凑、占地面积小、安装方便；
- 2、除吸气口外，其余部分潜入水中运行，噪声小；
- 3、吸入空气多，产生气泡多而细，溶氧率高；
- 4、无需提供气源，省去鼓风机，工程投资少；
- 5、采用引进德国ABS潜污泵技术，叶轮流道采用无堵塞式，运行安全、可靠。

● 型号示例 Type and Its Indication



The immersible aerator is composed of immersible pump, mixing chamber, basement, air intake and muffler. The top of the intake air inhaled above the water surface, the lower end of the intake is connected with the mixing chamber, as electricity connected, the impeller rotating, high-speed water flow from impeller, the outflow bypass mixing chamber and make a negative pressure and therefore the air is inhaled and mixed with liquid, the mixture from neighboring export outflow, completed the oxygenation of the liquid.

1. Construction is compact, area occupation is small, and installation is easy.
2. All of the parts immersed in water, except the air entry. Noise is low.
3. Inhale more air, and many have small bubbles, high rate of oxygen capacity.
4. Without providing gas source, eliminating blower, the investment is lower.
5. Introduce Germany ABS immersible sewage pump technology, leaf rotation road is no plug-and operation is safe and reliable.

● 技术性能参数 Technical Parameters

型 号	QXB 0.75	QXB 1.5	QXB 2.2	QXB 3	QXB 4	QXB 5.5	QXB 7.5	QXB 11	QXB 15	QXB 18.5	QXB 22
功率(kW)	0.75	1.5	2.2	3	4	5.5	7.5	11	15	18.5	22
电流(A)	2.4	4	5.8	7.8	9.8	12	17	24	32	39	45
电压(V)	380										
转速(r/min)	1470										
频率(HZ)	50										
绝缘等级	F										
最大潜水深度(m)	2	2	3	3	3	3	3	4	5	5.5	6
进气量(m³/h)	10	22	35	50	75	85	100	160	200	260	3.20
标准状态下最大充氧量(kgO₂/h)	0.37	1	1.8	2.75	3.8	5.3	8.2	13	17	19	24
进气管径DN(mm)	32	32	50	50	50	80	80	80	80	100	100

