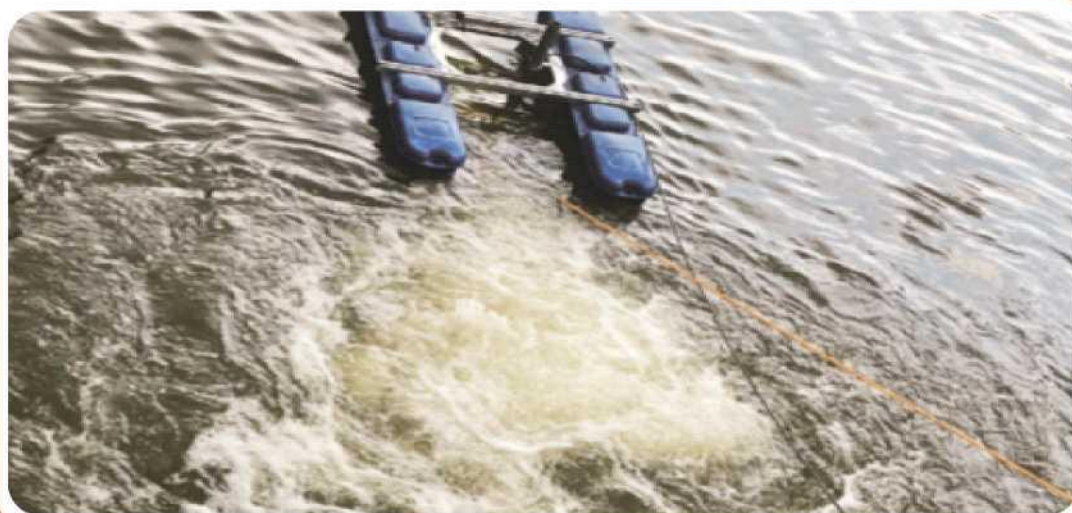


LJ-LFA 大流量造流曝气机

LJ-LFA Large flow aerator



LJ-LFA 系列大流量造流曝气机，具有较好的曝气效果与水体循环功能，通过较低的功率营造了大流量的水流，比同功率循环泵大数倍以上，使得大水面的景观水广域曝气和死水活性化成为可能。造流曝气机，具有增氧效率高，循环流量大，抗堵塞，寿命长、运行噪音低等特征，适用于城市河道、黑臭河道、人工湖、自然湖泊等景观湖景观河。

LJ-LFA series large flow aerator has good aeration effect and water circulation function. It creates a large flow of water through lower power, which is several times larger than the circulating pump of the same power, making the large water surface Wide-area aeration of landscape water and activation of stagnant water become possible. The flow-making aerator has the characteristics of high oxygen-enhancing efficiency, large circulating flow, anti-clogging, long service life and low operating noise.



设备参数及选型

Equipment parameters and selection

LJ-LFA 系列大流量造流曝气机选型前，首先必须明确水体的需氧量、水体平面大小以及深度结构。

Before selecting the LJ-LFA large flow aerator, the oxygen demand of the water body, the plane size of the water body and the depth structure must first be determined.

TYPE	Voltage	powerW	Circulating water volume m³/h	Induction flow m³/h	Oxygenation capacity kgO'/h
LJ-LFA750	0.75	380	180	11000	1.7
LJ-LFA1500	1.5	380	490	21000	3.5
LJ-LFA2200	2.2	380	645	27000	4.2
LJ-LFA3000	3.0	380	810	29500	4.9
LJ-LFA4000	4.0	380	920	36400	6.3
LJ-LFA5500	5.5	380	1280	39500	8.7
LJ-LFA7500	7.5	380	1550	47200	11.2

LJ-LFA 大流量造流曝气机优势

Advantages of LJ-LFA Large Flow Aerator

- ◇大流量的水流，有效提升水流动性与增氧能力；
 - ◇导流室+混合室，气水混合效果好，氧转化率高；
 - ◇用不锈钢与工程塑料等耐腐材料，使用寿命长；
 - ◇设备漂浮水面，无需安装基础，不受水位影响；
 - ◇防堵设计网罩，克服了传统设备易堵塞的问题；
 - ◇适用河道治理，湖泊治理，水库治理，农村水处理。
- ◇Large flow of water can effectively improve water mobility and oxygenation capacity;
- ◇ Guidance chamber + mixing chamber, good gas-water mixing effect and high oxygen conversion rate;
- ◇Using corrosion-resistant materials such as stainless steel and engineering plastics, with long service life;
- ◇The equipment floats on the water surface, no need to install a foundation, and is not affected by the water level;
- ◇The anti-blocking design mesh cover overcomes the problem of easy blockage of

traditional equipment;

◇Applicable to river treatment, lake treatment, reservoir treatment, rural water treatment.

LJ-LFA 大流量造流曝气机净化原理

Purification principle of LJ-LFA large flow aerator

LJ-LFA 大流量造流曝气机大推动力，可使景观水体短期内溶解氧迅速增加，形成富氧活水流，同时改善微生态环境，强化水体自净能力，短期内改善水质。

曝气增氧，均匀分布溶解氧 DO, 迅速减轻水体缺氧状态；

推流造流，提高水体流动性，减少水体死角；

有效抑制悬浮物 SS 沉降，减少水体底泥累积；

提升底层溶解氧，提高底泥微生物活性；

加速分解底泥中有机物及氮磷，减轻底泥释放造成的水体二次污染；

抑制硫化物、甲烷及氨气的产生，减少水体臭味；

提高水中微生物活性及含量，分解水中营养物质；

快速分解有机物，消除黑臭现象；

消除水体自然分层，减少水体上下层温差；

削减矿化底泥，恢复水体生态平衡。

The LJ-LFA large-flow aerator has a large driving force, which can rapidly increase the dissolved oxygen in the landscape water body in a short period of time, form an oxygen-rich living water flow, improve the micro-ecological environment, strengthen the self-purification ability of the water body, and improve the water quality in the short term.

Aeration increases oxygen, evenly distributes dissolved oxygen DO, and quickly reduces the hypoxia state of water;

Push the flow to create flow, improve the fluidity of the water body, and reduce the dead angle of the water body;

Effectively inhibit the sedimentation of suspended solids SS and reduce the accumulation of sediment in the water body;

Increase the dissolved oxygen in the bottom layer and improve the microbial activity of the sediment;

Accelerate the decomposition of organic matter and nitrogen and phosphorus in the sediment, and reduce the secondary pollution of water caused by the release of sediment;

Inhibit the production of sulfide, methane and ammonia, and reduce the odor of water;

Improve the activity and content of microorganisms in water, and decompose nutrients in water;

Quickly decompose organic matter and eliminate black odor;

Eliminate the natural stratification of the water body and reduce the temperature difference between the upper and lower layers of the water body;

Reduce mineralized sediment and restore the ecological balance of water bodies.

