天河水务

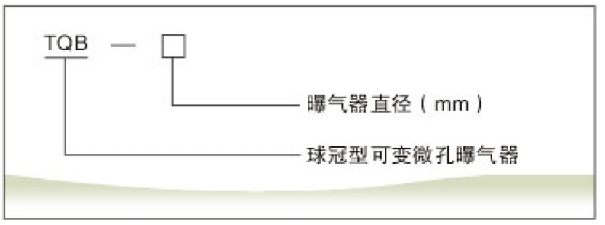
TQB球冠型可变微孔曝气器 TYPE-TQB SPHERICAL VARIABLE MICRO-POROUS AERATOR

用 途 Applications

TQB球冠型可变微孔曝气器是在平板膜片式微孔曝气器的基础上进行优化创新，曝气膜片和支撑托盘呈独特的球冠型结构，成功研制出来的一种高效、节能的新型充氧装置。

Based on the plate membrane aerator, TQB spherical variable micro-porous aerator with innovation and reformation according to the characteristics of the sewage biology treatment process we construct the aeration membrane and support tray into sphere.

型号示例 Type and Its Indication



特 点 Features

1、微孔曝气器呈球冠型，并采用特殊的打孔技术，提高了橡胶的密封性能，即使曝气池间歇运行，其表面也不易积泥，并能更有效地阻止水体倒灌。

2、同等条件下，扩大了孔眼间距，孔眼张开受力均匀，橡胶疲劳变形程度降低，回弹性能好，使用寿命长。

3、工作面积相对增大，气泡小，布气均匀，充氧效率高，处理效果好，特别是在低气量工作时仍能发挥这一特性，运行管理方便。

4、膜片是由优质进口橡胶制成，构件和布气管道材质均是ABS工程塑料，具有优异的物理机械性能和耐老化性能，并耐酸碱，抗腐蚀。

5、内部设有特形密封装置，降低阻力损失，节省能耗。

1. Micro-aperture aerator with a spherical pattern has used a special perforate technique, which has reinforced the seal of the rubber. Even the aeration tank works at intervals, the surface can avoid sludge accumulation and liquid refulgence effectively.
2. On the same conditions, it extends the space between the orifices, this makes orifice's pressure equal and decreases the fatigue of the rubber, insures its elasticity and length of life.
3. As the working area increased relatively, the air bubble become smaller, aerating efficiency is high and the effect of the treatment is good. Especially on the low aeration flow condition, it also has the same efficiency, which makes the system convenient to operate and manage.
4. The membrane is made of import high quality rubber, the fittings and distribution pipeline are made of ABS plastic, this type of mare is makes the equipment has good physical mechanical peculiarity, aging-proof, acid and alkali resistance, and caustic resistance.
5. The self-contained special seal apparatus decreases the resistance loss and saves the cost.

技术性能参数 Technical Parameters

- ◆ 曝气器尺寸：Φ192×180mm
- ◆ 适用工作空气量：0.8~3m³/h·个
- ◆ 服务面积：0.35~0.6m²/个
- ◆ 氧利用率：24%~31%
- ◆ 充氧能力：0.169~0.244kgO_2/h
- ◆ 充氧动力效率：6.5~6.8kgO_2（kW·h）
- ◆ 曝气器阻力损失：≤3200Pa

- ◆Size of the aerator: Φ192×180mm.
- ◆Single aerator's applicable air volume for working in an hour is 0.8~3m³/h.
- ◆Single aerator's service area is 0.35~0.6m².
- ◆The oxygen utilization efficiency is 24%~31%.
- ◆The oxygen filling capacity is 0.169~0.244kgO_2/h.
- ◆The power efficiency of oxygen filling is 6.5~6.8kgO_2（kW·h）
- ◆The pressure loss of the aerator is no more than 3200Pa.