



YONGCHENG

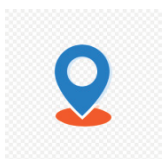
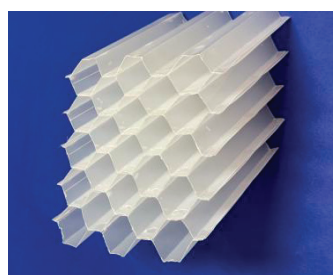
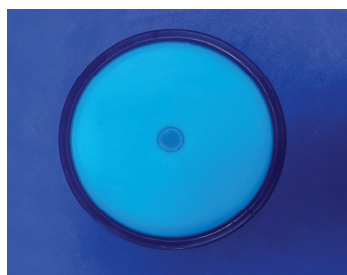
永诚环保

专业的曝气系统制造商

Professional Manufacturer Of Aeration System

TPU/硅橡胶/EPDM 微孔曝气器

TPU /Silicone/EPDM Fine-Bubble Diffuser



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YONGCHENG

宜兴市永诚环保设备有限公司

Yixing Yong Cheng Environmental Protection Equipment Co., Ltd.

宜兴市永诚环保设备有限公司成立于 1998 年，专注于曝气系统的研发、生产和销售领域。

公司拥有现代化的注塑车间、模具车间、装配车间等。主要设备有自动注塑机 30 余台，德国 DESMA 橡胶注射机 3 台，液态硅胶注射机 2 台，TPU 曝气软管生产线 2 条，各类模具上千套。

公司配有专业的技术人才和售后服务团队，可以提供完整的曝气系统解决方案。

Yixing Yongcheng Environmental Protection Equipment Co., Ltd. was established in 1998, focusing on the research and development, production and sales of aeration systems.

The company has a modern injection workshop, mold workshop, assembly workshop, etc. The main equipment includes more than 30 sets of automatic injection molding machine, 3 sets of German DESMA rubber injection machine, 2 sets of liquid silicone injection machine, 2 sets of TPU aeration hose production line, and thousands of sets of various molds.

The company is equipped with professional technical personnel and after-sales service team, can provide customers with complete aeration system solutions.



盘式微孔曝气器

Disc fine-bubble diffuser



硅胶/Silicone



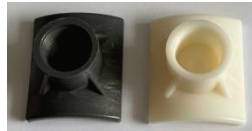
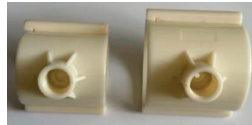
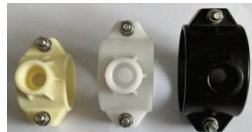
橡胶/EPDM



聚氨酯/TPU

产品规格 Product specifications	膜片有效直径 Diameter of membrane (mm)	膜片材质 Membrane material	支撑体材质 Support body material	通气量 (m³/h) Volume of ventilation	最佳通气量 Optimal Ventilation (个/m³)	服务面积 Service area (个/m²)
DN200	192	三元乙丙橡胶/EPDM 硅橡胶/Silicone 聚氨酯/TPU	ABS/PP	0.5-3	1.5	0.25-0.55
DN260	255	三元乙丙橡胶/EPDM 硅橡胶/Silicone	ABS/PP	1-5	3	0.35-0.75
DN300	300	三元乙丙橡胶/EPDM 硅橡胶/Silicone	ABS/PP	2-8	4.5	0.5-1

曝气盘连接方式

产品规格 Product specifications	材质 Material	适配空气管道 Adapts to air pipe	与曝气盘连接方式 The connection method with the diffuser	产品图片展示 Product picture display
马鞍接头 Saddle joint	PP/POM	Φ 90/Φ 110	卡扣式连接 Snap-on connection	
插板连接件 Insert Plate connector	SS304/SS316	Φ 89/Φ 90/Φ 110	M10 螺纹连接 M10 threaded connection	
管卡连接件 Pipe clip connector	SS304/SS316	Φ 89/Φ 90/Φ 110	G 3/4" 螺纹连接 G 3/4" thread connection	




管式微孔曝气器

Tube fine-bubble diffuser

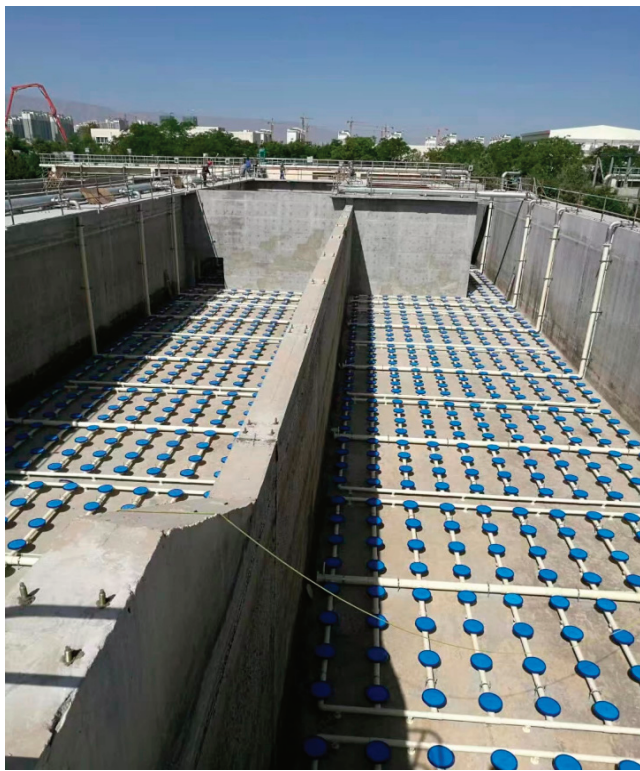


产品规格 Product specifications	膜片有效长度 Effective length of membrane (mm)	膜片材质 Membrane material	支撑体材质 Support body material	通气量 (m ³ /h) Volume of ventilation	最佳通气量 Optimal ventilation (个/m ³)
D65	500/750/1000 或定制	三元乙丙橡胶 /EPDM 硅橡胶/Silicone 聚氨酯/TPU	PP/ABS	2-12	8
D90	500/750/1000 或定制	三元乙丙橡胶 /EPDM 硅橡胶/Silicone 聚氨酯/TPU	PP/ABS	2-18	12

曝气管连接方式

产品规格 Product specifications	材质 Material	适配空气管道 Adapts to air pipe	与曝气管连接方式 The connection mode with the aeration pipe	产品图片展示 Product picture display
马鞍卡扣连接 Saddle Buckle connection	PP/POM	Φ 90/Φ 110	卡扣式连接 Snap-on connection	
螺杆连接 Screw connection	SS304/SS316	Φ 89/Φ 90/Φ 110	M10 螺纹连接 M10 threaded connection	
空心螺杆连接 Hollow screw connection	SS304/SS316	Φ 89/Φ 90/Φ 110	G 3/4" 螺纹连接 G 3/4" thread connection	

工程案例 project case



可提升式曝气系统

Lifting aeration system



单组可提升系统

Single Group lifting the system

此系统的主要特点是将空气分配管的紧固件全部置于水面以上，曝气器分成若干小组，每个小组由一支钢管插入池底，与池顶部的钢管法兰连接，此曝气系统安装，完全可以在池顶部进行，在改造阶段，也无需停产，将影响降到最低。

The main feature of the system is that all the fasteners of the air distribution pipe are placed above the water surface, and the aerators are divided into several groups, this aeration system can be installed at the top of the pool, in the transformation phase, also need not stop production, will minimize the impact.

整组可提升系统

The whole group lifting system

整组可提升系统包括不锈钢管路、提升装置、支撑和配重、曝气管等组成，此系统的主要特点是系统出现故障或需维护时，可将整组曝气系统提出水面。

The whole lifting system consists of stainless steel pipe, lifting device, support and counterweight, aeration pipe, etc. , the whole aeration system can be raised to the water surface.



抽拉式曝气软管

Pull-Out Hose Aeration system

抽拉式曝气软管由可更换 TPU 曝气软管、进气支管及导向滑轨、平衡装置、导向支架、拉绳等构成，安装后能在不停车，不排水，不停气的情况下更换破损的曝气软管。

The drawing type aeration hose is composed of a replaceable TPU aeration hose, an intake branch pipe and a guide slide rail, a balancing device, a guide bracket, a pulling rope, etc. , replace the broken aeration hose without stopping.

外型尺寸/External dimensions	Φ 65mm，长度可定制
通气范围/Range of ventilation (Nm ³ /h.m)	0.5-4
气泡直径/Bubble diameter	≤2mm
最佳通气量/Optimal ventilation (m ³ /h.m)	0.8-1.5
氧气转移率/Oxygen transfer rate	≥38.5% (6 米水深清水测试)
充氧能力/Ability to oxygenate (6 米水深清水通气量 1 立方/米测试)	≥0.1kgO ₂ /米/h
动力充氧效率/Efficiency of dynamic oxygenation	≥7.6(KgO ₂ /kwh)
空气阻力损失 Loss of air resistance (KPa)	≤3.5

工程案例



不锈钢粗孔曝气器

SS coarse diffuser

有效长度/Effective length (mm)	610
材质/Material	316L
出气孔数量/Number of air holes(个)	44
连接尺寸/Connection size	G3/4
通气量/Pneumation (m3 /h)	8~60
氧气转移率/Oxygen transfer rate	≥15%(6 米水深清水测试)
使用寿命/Service life	30 年



不锈钢粗孔曝气器

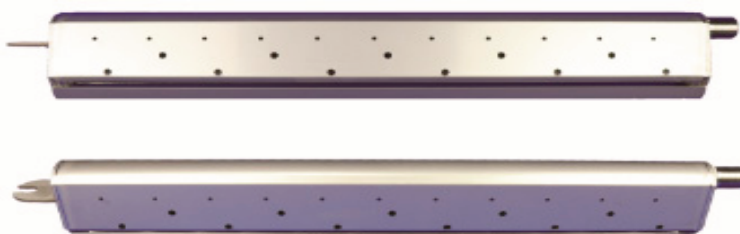
不锈钢粗孔曝气管采用不锈钢材料，特别设计用于最大的混合需求的工况，曝气管可提供最优的粗孔曝气能力、通气量、和氧气传递效率。

曝气管由高强度的 316L 不锈钢材质制造，拥有出色的使用寿命，粗孔曝气管开放式尾端设计可以将系统在停止运行时进入管道的杂物排出，因此曝气管基本不会出现堵塞的问题，可提供最优的长期运行能力。特别适用于 MBBR 池中，免去维护烦恼，并通过 MBBR 填料气泡切割，可达到理想的氧利用率。

The coarse diffuser is made of stainless steel material, which is specially designed for the working conditions of the largest mixed demand. The aeration tube can provide the best coarse-hole aeration capacity, ventilation capacity, and oxygen transmission efficiency. The aeration tube is made of high-

strength 316L stainless steel which has an excellent service life. The open tail end design of the coarse-hole aeration tube can discharge the debris entering the pipe when the system stops

running. Therefore, the aeration tube basically does not have the problem of blockage and can provide the best long-term operation capacity. It is especially suitable for MBBR pool, which avoids maintenance troubles and cuts through MBBR filler bubbles to achieve ideal oxygen utilization.



不锈钢斜管

SS tube Settler media

不锈钢斜管 $\Phi 35/\Phi 50/\Phi 80$

不锈钢斜管适用范围广、占地面积小、层流状态好，颗粒沉降不受絮流干扰、牢固耐用使用寿命长。

SS tube Settler media $\Phi 35/\Phi 50/\Phi 80$

SS tube Settler media has wide application range, small occupation area, good laminar flow state, particle settlement is not disturbed by flocculation flow, firm and long service life.

材质/Material	SS304
孔径/Aperture	$\Phi 35/\Phi 50/\Phi 80$



MBBR 悬浮填料 MBBR Media

MBBR 悬浮填料

MBBR Media

MBBR 悬浮填料是一种新型微生物载体，采用科学配方，将高分子材料经特殊工艺改性、构造而成，具有比表面积大、亲水性好、抗冲击力强、易挂膜、生物活性高、处理效果好等优点。



MBBR Media is a new type of microbial carrier, the utility model has the advantages of large specific surface area, good hydrophilicity, strong impact resistance, easy film formation, high biological activity, good treatment effect, etc. .

参数 parameter

规格型号/Specifications	Φ 25*10-19	Φ 25*10-37	Φ 10*10
材质/Material	PE	PE	PE
比表面积/specific surface area (m ² /m ³)	≥600	≥800	≥1200
比重/Specific gravity (g/cm ³)	0.97	0.97	0.97
孔隙率/Porosity rate(%)	≥90	≥90	≥85
堆积重量/Accumulated weight (kg/m ³)	100	120	160
使用温度/Use temperature(°C)	0~60	0~60	0~60

优质服务

High-quality Service

- 我们将根据客户要求，提供专业的设计及详细的施工图纸
- 我们可以派专业技术人员进行安装或安装指导
- 设备运行期间我们将随时提供技术支持及服务
- 如有任何技术问题，随时和我们联系



• We will offer professional design and detailed construction drawings according to customer requirements.

• We have professional technicians for installation or installation instructions.

• During the equipment operation, we will provide technical support and services at any time.

• If you have any technical questions, do not hesitate to get in touch with us.



联系我们 Contact Us



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