



川源(中国)机械有限公司
GSD (China) Co.,Ltd.

RSD

膜片式散气盘

RSD disc diffuser



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简介

RSD系列曝气盘按气泡大小分为粗气泡、细气泡。其中RSD144为粗气泡曝气盘，RSD245、RSD330为微孔曝气盘。

用途

- 污水处理厂活性污泥曝气池、接触氧化池、SBR反应池用曝气；
- 为脱氮/除磷的好氧工序用曝气；
- 粪尿及畜牧废水处理厂用曝气；
- 深层曝气池的曝气；
- 高浓度废水曝气池用曝气/废水处理厂调整池用曝气；
- 养鱼池及其它用途的曝气。

特点

RSD144粗气泡曝气盘

- 独特设计，有效防止水的逆流。
- 高质量的ABS材质，具有高的耐热性。
- 合成的热塑聚合物膜片在腐蚀、恶劣的天气、油、老化和变形方面有三倍于PVC或其他橡胶制品的寿命。
- 柔软的主体部分使得出口在不同风量时容易调节，这样可避免大的压力损失，轻松应对异常情况。

RSD245、330微孔曝气盘

- 氧气传递效率高（OTE）
- 节约动力，操作成本低
- 卓越的防止逆流功能
- 保障寿命长
- 密封效果好
- 安装容易

联接方式

RSD144为螺纹连接。

RSD245、RSD330有以下两种连接方式：

软接头式连接
Grommet



General

RSD series have RSD144, RSD245, RSD330 3 types, RSD144 is large bubble disc aerator, RSD245/RSD330 are fine bubble disc aerators.

Applications

- Aeration for SBR reaction basin, contact oxidation pond, and activated sludge aeration basin in sewage disposal plant;
- Aeration for denitrification/dephosphorization aerobic processes;
- Aeration for excreta and animal wastewater treatment plant;
- Aeration of deep aeration basin;
- Aeration for high concentration wastewater aeration basin, and aeration for regulating pond of wastewater treatment plant;
- Aeration of fishpond and other applications.

Features

RSD144 large bubble disc aerator

- Special design of water pressure and material structure to prevent water back-flow during air flow interruptions.
- High quality ABS compounds material body with incomparable heat resistance and softening temperature resistance exceptional to other general ABS material.
- Synthetic thermoplastic polymer membrane offers protection from corrosion, weather, oil, aging and deformation which triple the service life as compared to other PVC or rubber products.
- Flexible body gives the adjustability of discharge hole in different volume of air flow, which decreases the pressure loss and prevents abnormalities.

RSD245, 330 fine bubble disc aerator

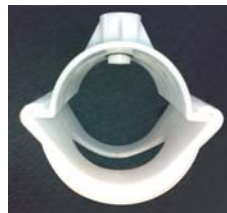
- High oxygen transmission efficiency.
- Good effect on saving power, and low operating cost.
- Excellent counterflow prevention function.
- Long guaranteed life.
- Good sealing effect.
- Easy installation.

Connection type

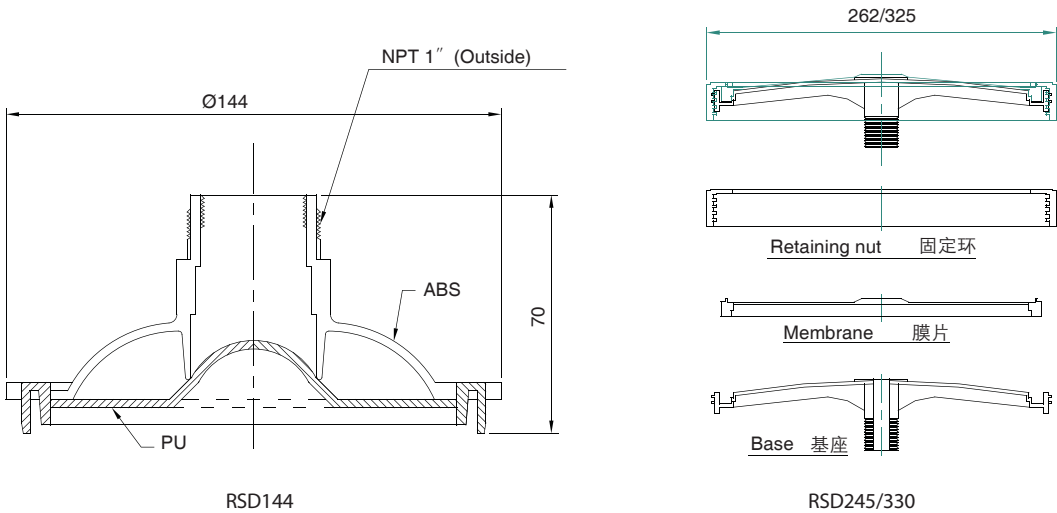
RSD144 is connected with threaded joint.

RSD245 and RSD330 have two connection types, as below:

鞍座式连接
Saddle connector



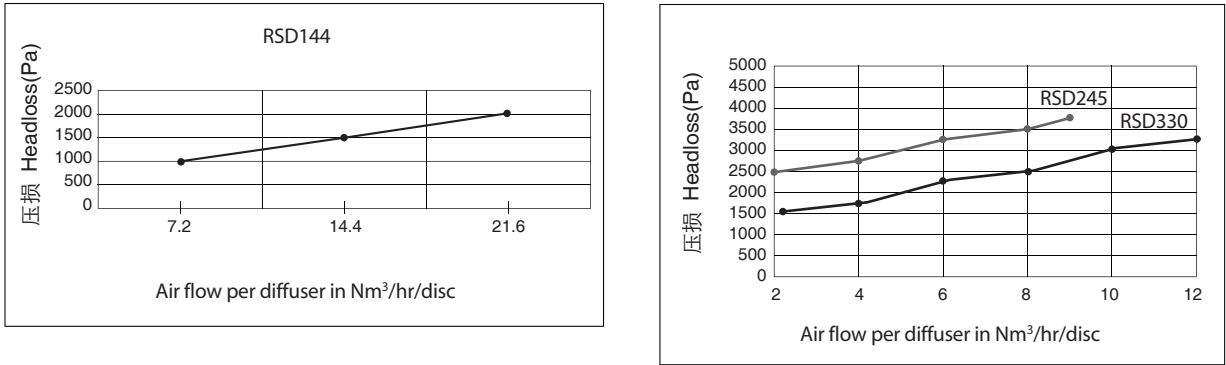
结构图 Construction



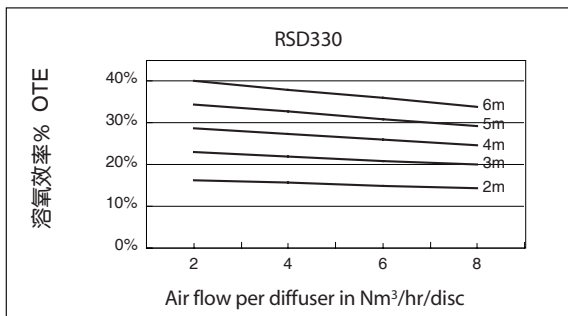
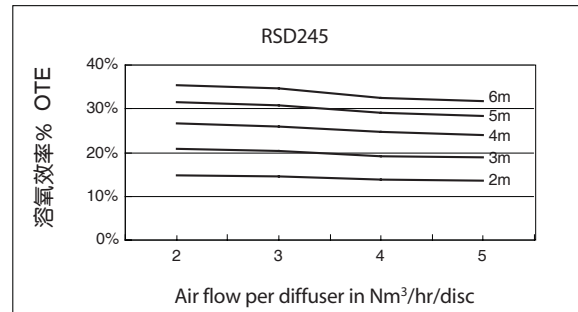
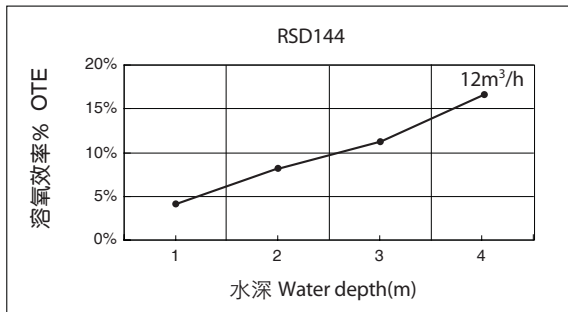
性能参数 Performance parameter

型号 Type		RSD-144	RSD-245	RSD-330
材质 Material	底座 Base	ABS	ABS	ABS
	固定环 Stating ring	PU	ABS	ABS
	膜片 Membrane		EPDM	EPDM
性能 Specification	通气量 Air flow	12~24m³/h	1.8~9m³/h	2.4~12m³/h
	入口接头 Inlet attack	外牙 Outside screw 1"	外牙 Outside screw 3/4"	外牙 Outside screw 3/4"
	溶氧效率 OTE	12% (水深 Water depth 4m) (空气流量 Air flow 15m³/h 20℃)	26% (水深 Water depth 4m) (空气流量 Air flow 3m³/h 20℃)	29% (水深 Water depth 4.6m) (空气流量 Air flow 3m³/h 20℃)
	压力损失 Headloss	1550Pa (空气流量 Air flow 15m³/h 20℃)	3000Pa (空气流量 Air flow 5.1m³/h 20℃)	2400Pa (空气流量 Air flow 7.2m³/h 20℃)

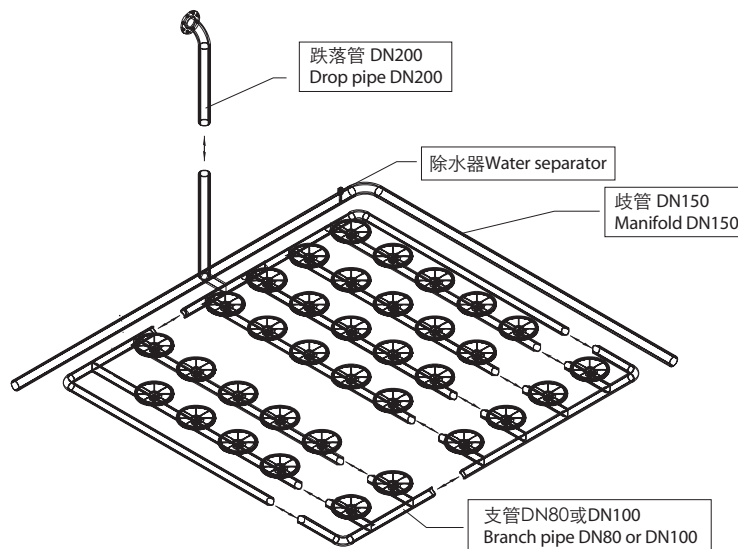
压损曲线 Headloss curve



溶氧效率曲线 OTE curve



曝气盘安装方式 Installation



川源(中国)机械有限公司
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免费咨询电话

800-820-1977

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