

Secondary Waste Water Treatment Solution

AQUASUST SMART DIFFUSER SYSTEMS

Stanard Oxygen Transfer Efficiency



Disc Diffuser

Tube Diffuser

mail: info@aquasust.com



AquaSust DIFFUSERS PERFORMANCE

Tube DIFFUS

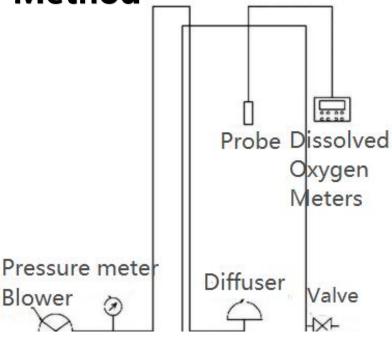
✓ Secondary Waste Water Treatment Solution WWW.aquasust.com



| | Disc Diffuser | | | Tube Diffuser | |
|---|----------------|------------|------------|---------------|------------|
| | AS-DD215 | AS-DD270 | AS-DD350 | AS-TD65 | AS-TD93 |
| Diameter | 7″ | 9″ | 12″ | 65 | 93 |
| Flow range | 1.5-4 | 1.5-7 | 2.0-12.0 | 2-14 | 5-20 |
| Bubble size | 0.8-2.0 | 0.8-2.0 | 0.8-2.0 | 0.8-2.0 | 0.8-2.0 |
| Service Area | 0.2-0.5 | 0.2-0.7 | 0.3-1.2 | 0.75-2.5 | 1-3 |
| Slit Quantity | 25-30 slit/cm2 | | | 32000 slit/m | |
| Standard Oxygen Transfer Efficiency(6m submerged) | 34~39.5% | 34~39.5% | 34~39.5% | 34~39.5% | 34~39.5% |
| Use of Temperature(°C) | 0-80 | 0-80 | 0-80 | 0-80 | 0-80 |
| Connector | 3/4" NPT M | 3/4" NPT M | 3/4" NPT M | 3/4" NPT M | 3/4" NPT M |



Disc & Tube Diffuser Stanard Oxygen Transfer Test Method



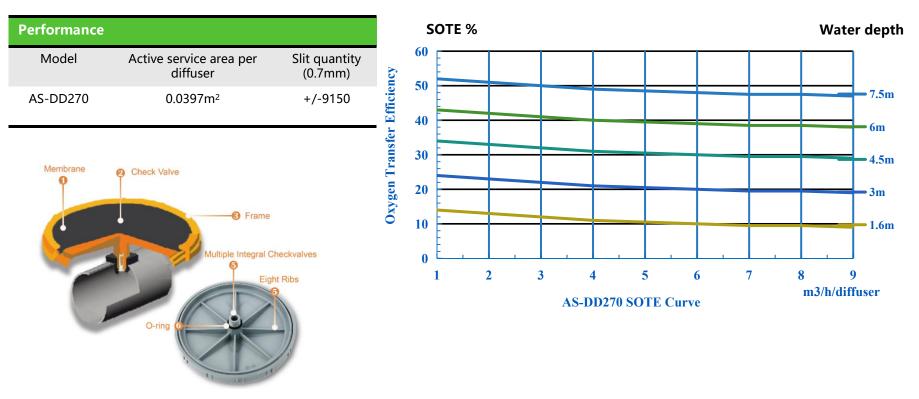
Aeration and oxygenation test device

There are many factors affecting the performance of microporous aeration oxygenation, the most important are the aeration volume, aperture and installation of the water depth

Microporous aerator, EPDM membrane material, sension378 desktop dissolved oxygen meter, gas rotor flow meter, range $0 \sim 3$ m3/h, accuracy \pm 0.2%. HC-S blower. Catalyst: CoCl2-6H2O, analytically pure. Deoxidizer: Na2SO3, analytical.

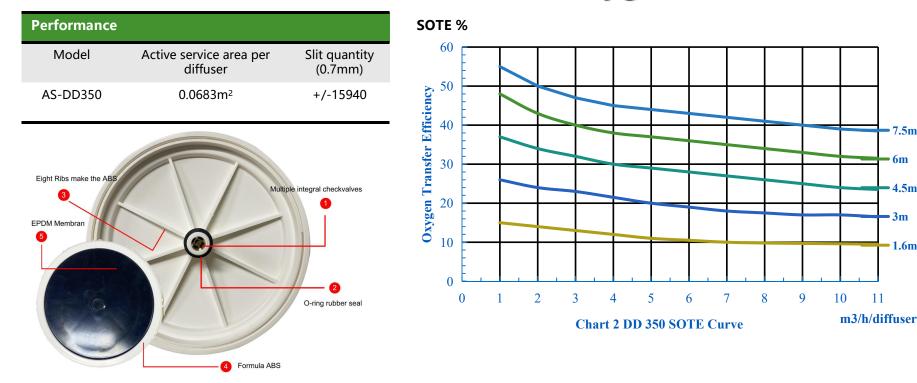


Disc Diffuser AS-DD270 Stanard Oxygen Transfer Test





Disc Diffuser AS-DD350 Stanard Oxygen Transfer Test



Reignite Water's life, Gift the Earth One More Drop of Purity

7.5m

• 6m

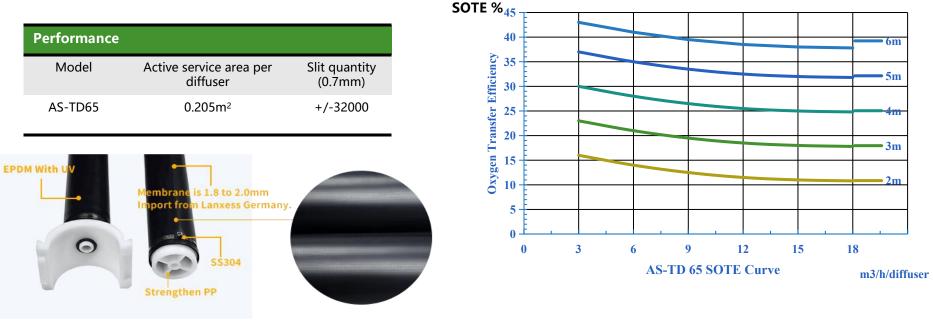
• 4.5m

- 3m

1.6m



Tube Diffuser AS-TD65 Stanard Oxygen Transfer Test



32000holes/m- 15 more than others



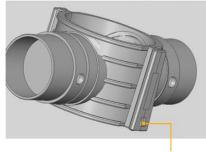
Tube Diffuser AS-TD93 Stanard Oxygen Transfer Test

SOTE %

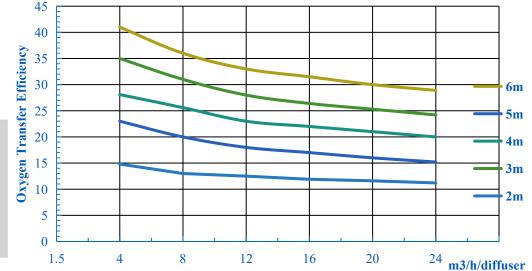
| Performance | | |
|-------------|-------------------------------------|--------------------------|
| Model | Active service area per diffuser | Slit quantity (0.7mm) |
| AS-TD93 | 0.280m ² | +/-46000 |

Raised structure design-

the membrane never fall off



Rasied structure desgin- The connection never fall off

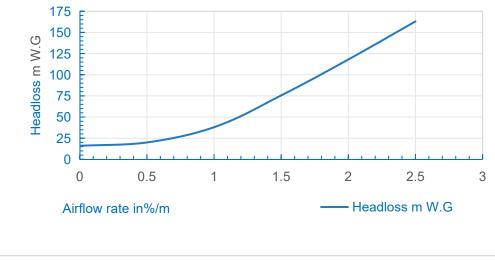


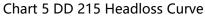
AS-TD 93 SOTE Curve



- AquaSust

WET PRESSURE LOSS Disc Diffuser AS-DD215



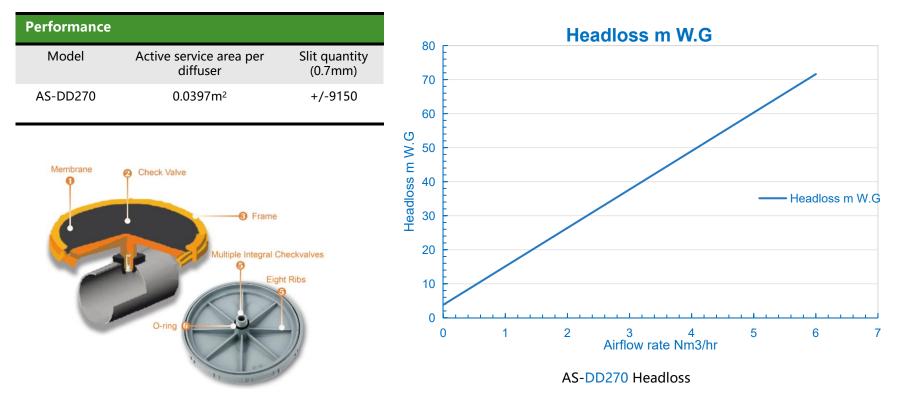


- Aquasust Aeration products are warranted to be free from defects in manufacture or workmanship for a period of 12 months from the date of installation to18 months from the date of shipment. If defective material is found, it may be replaced free of charge.
- Aquasust's liability is limited to the cost of the defective part. Damage to Aquasust's aeration products caused by chemicals, abrasion due to seating, sticky or oily materials, improper maintenance, installation or operation does not constitute a defect.
- Aquasust is able to stand behind our quality assurance because we continually test all of our equipment to ensure better quality control.





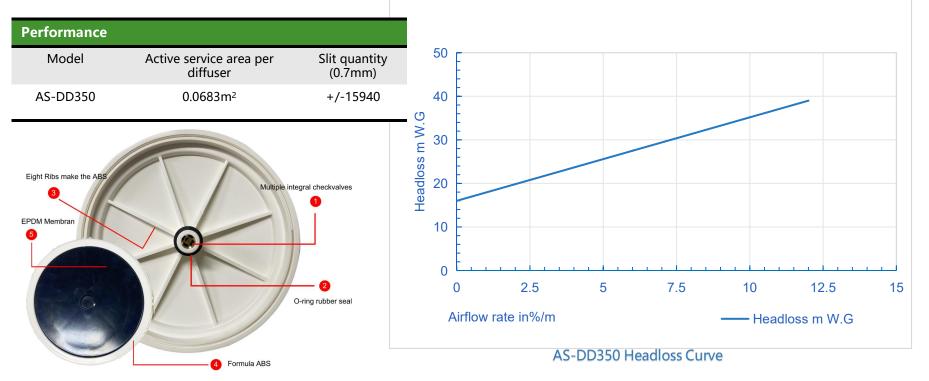
WET PRESSURE LOSS Disc Diffuser AS-DD270







WET PRESSURE LOSS Disc Diffuser AS-DD350



SOTE for Diffuerent Diffuser Density

SOTE. %

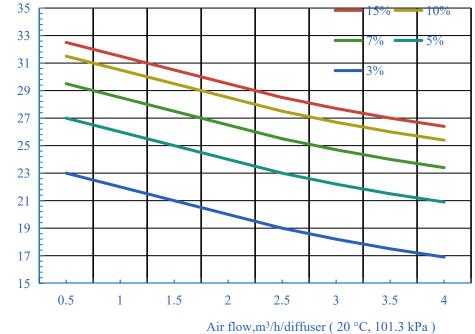
Clean water, standard conditions (+ 20°C, 101.3 kpa).

Submersion depth 4 m.

AquaSust

Diffuser density, DD = total diffuser area/ total bottom area Surface area of one diffuser is 0.025m² of AS-DD270 Here is Diffisuer Desity for 3%, 5% ,7%,10%,15% test Chart

Note:The values are valid for full bottom covering with uniform diffuser distribution and can be affected by the mixing and water flow conditions in the aeration basins. The graphs may be changed without further notice, so always consult Aquasust for capacity guarantees.





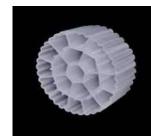
Aquasust MBBR BIO MEDIA



MBBR37 Patent NO.:ZL2020 30141332.8



MBBR05



MBBR19 Patent NO.:ZL2020 30141332.8



MBBR06



MBBR61



MBBR64



MBBR08



MBBR04



MBBR40

MBBR19-2

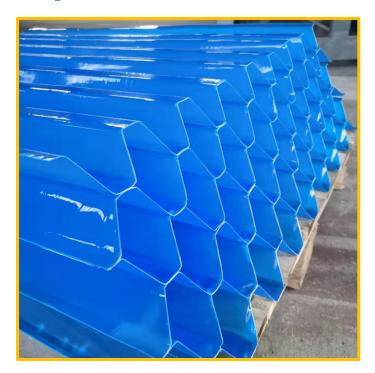
Aquasust try to be the first and biggest supplier of MBBR media in China in two years with high speed production





Aquasust Smart Disc Diffuser

Aquasust UV Tube Settlers



- ① High quality **UV protector**
- ② 100% virgin PP material
- ③ Can arrived FDA and NSF standard
- ④ Serive for 5 to 10 years
- (5) Installed by **welded** ,**no glue**
- 6 Simple install on site, save **transporting**

cost

⑦ Health Material can for **Drink water**



✓ Secondary Waste Water Treatment Solution WWW.aquasust.com

Aquasust Smart Disc Diffuser

Aquasust Main Water Treatment Plastic

1. MBBR Media 2. Disc Diffuser 3. Tube Diffuser 4. Bio Biock 5. Tube Settler 6. Air Blower 7. Aeration Tube 8.Dosing System 9.Sludge Dewatering **Machine**



MBBR



Disc Diffuser



Tube Diffuser



Air Blower



Sludge Dewatering Machine

✓ Secondary Waste Water Treatment Selu

Bio Biock



Aeration Tube



Tube Settler

Dosing System

Aquasust Guarantee high quality for all of our plastic parts for water treatment ,More contact us info@aquasust.com





Aquasust Sludge Dewatering Machine





AquaSust AquaSust Wastewater Treatment Solution

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