



HANGZHOU JUN TAI PLASTIC CO., LTD

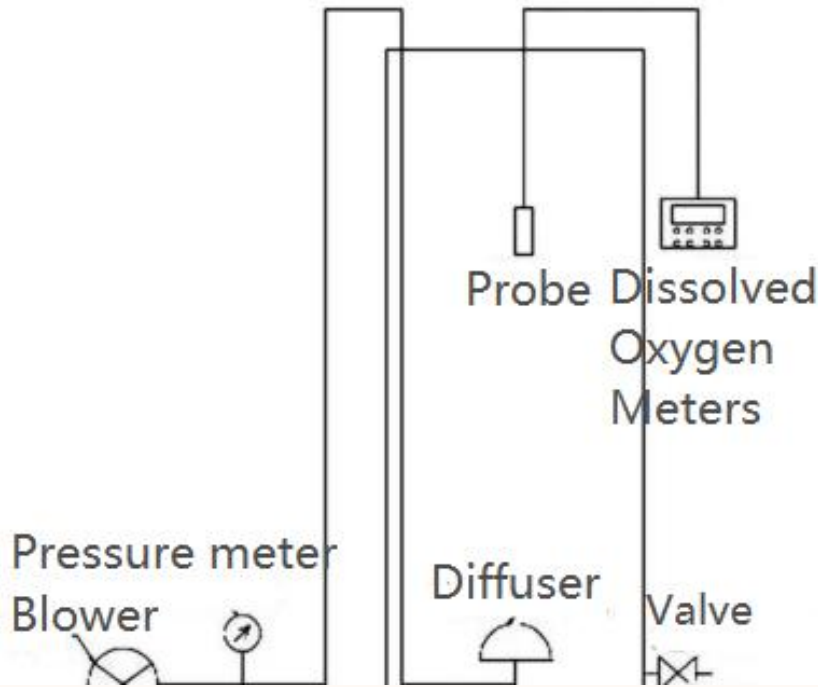
DIFFUSERS PERFORMANCE



	DD215	DD270	DD350	TD65	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
Holes Number	25-30pcs/cm2			32000pcs/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



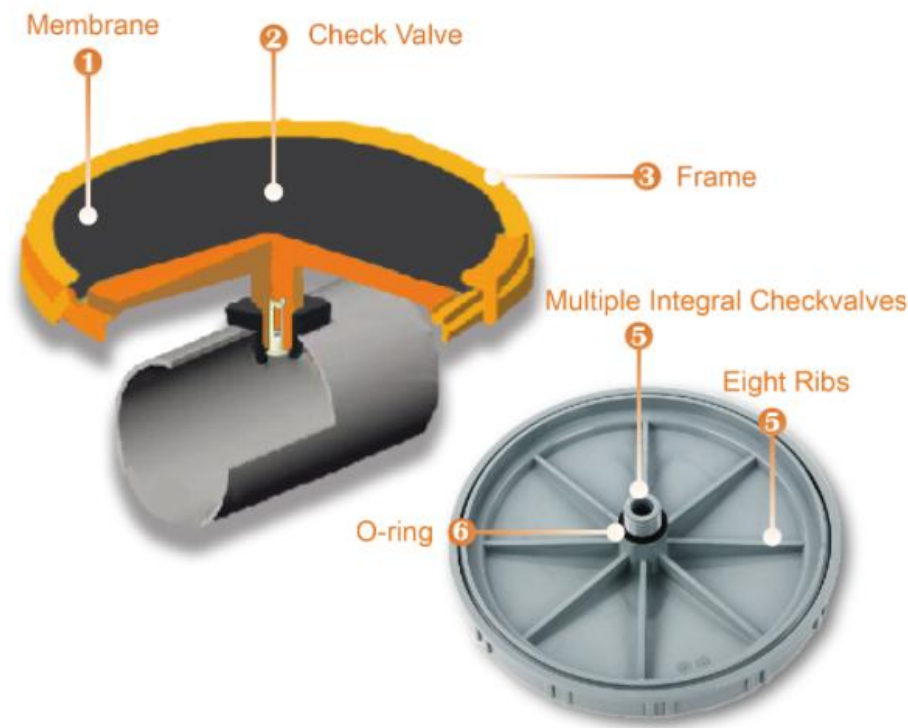
DD & TD STANDARD OXYGEN TRANSFER EFFICIENCY



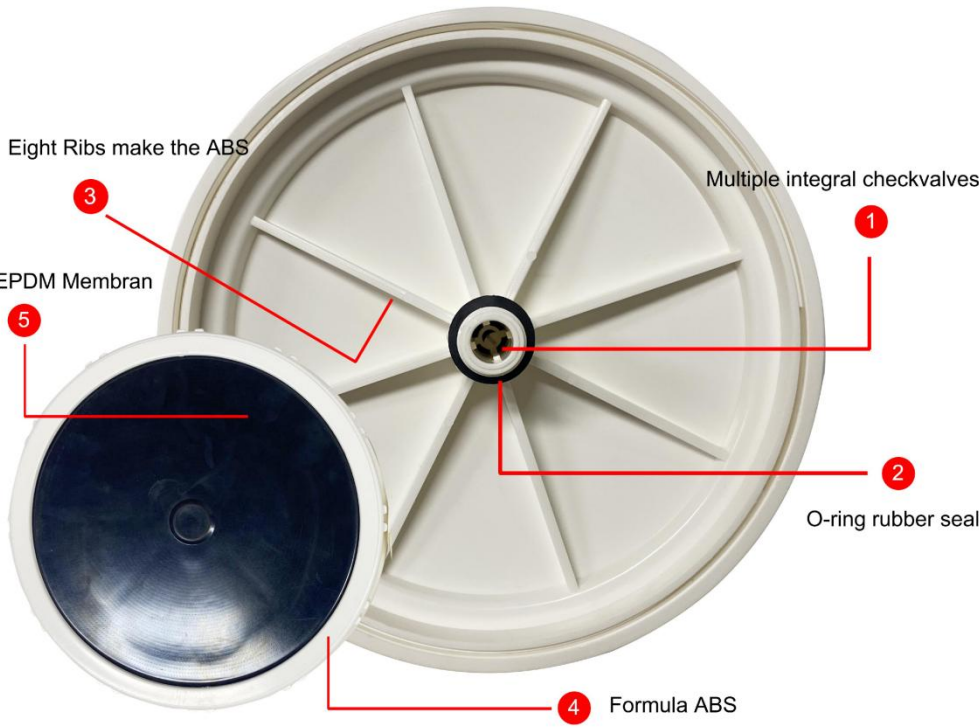
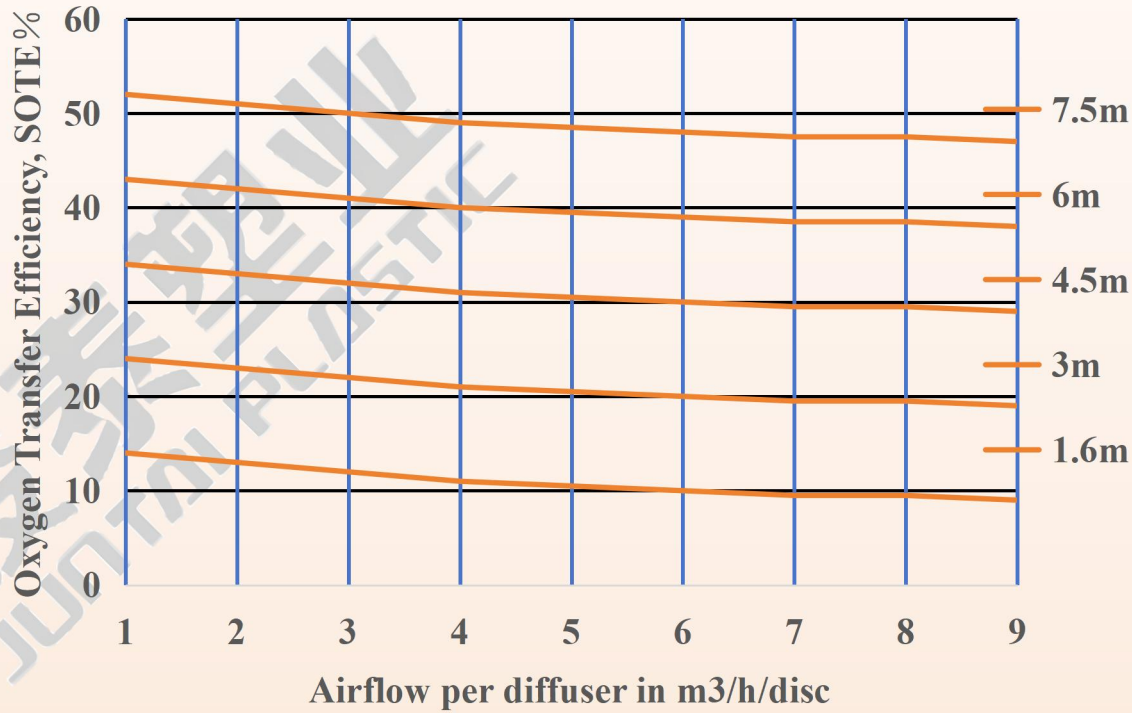
Aeration and oxygenation test device

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 0~3 m3/h, accuracy ± 0.2%. HC-S blower. Catalyst: CoCl2·6H2O, analytically pure. Deoxidizer: Na2SO3, analytical.

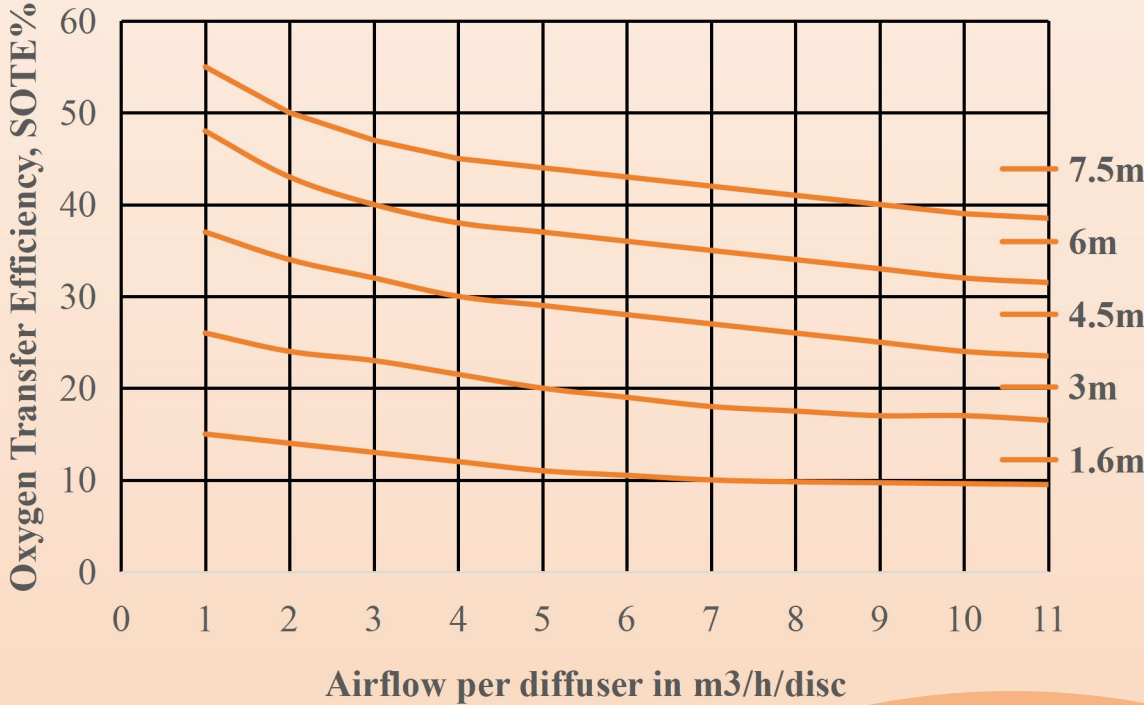
The test was conducted by static non-stationary method, i.e., Na2SO3 and CoCl2·6H2O were added first for deoxygenation during the test, and aeration was started when the dissolved oxygen in the water was reduced to 0. Changes in dissolved oxygen concentration in the water over time were recorded, and the KLa value was calculated. Separately, different aeration volumes (1.5, 2, 3, 4..... .24 m3/h), as well as different water depth (1.6, 2, 3, 4, 4.5, 5, 6, 7.5m) under the condition of oxygenation performance testing, while referring to CJ/T 3015.2-1993 "AERATOR OXYGENATION PERFORMANCE DETERMINATION OF LEAR WATER" and the United States Clear Water Oxygenation Test Standards.



DD 270 SOTE



DD 350 SOTE



Contact Expert



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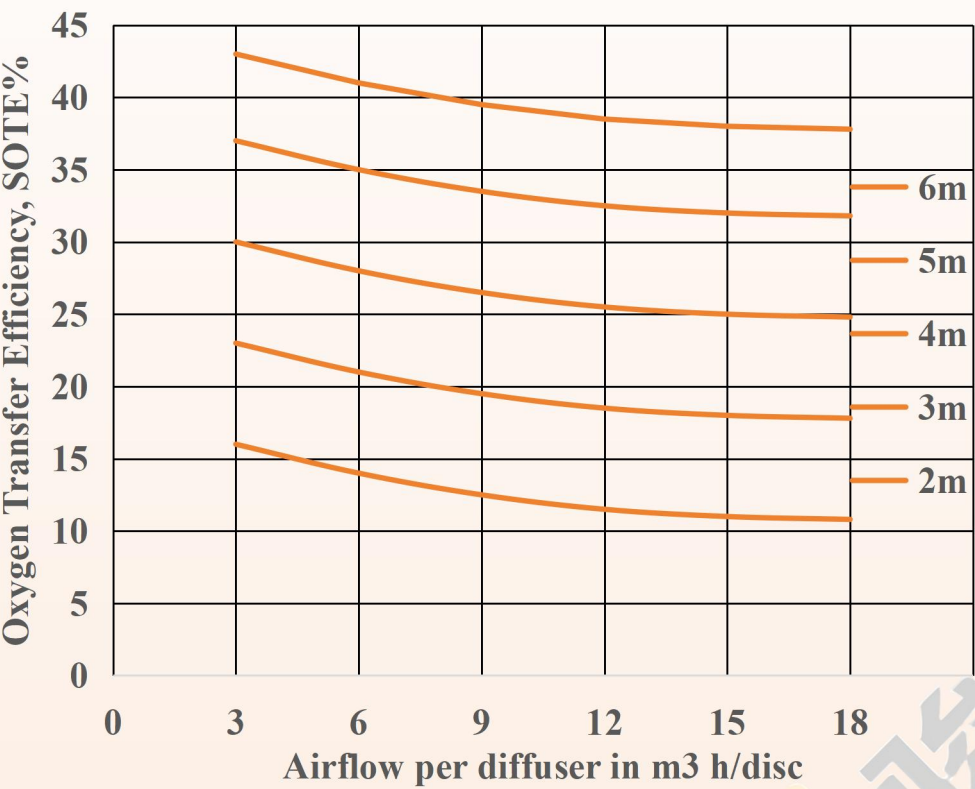
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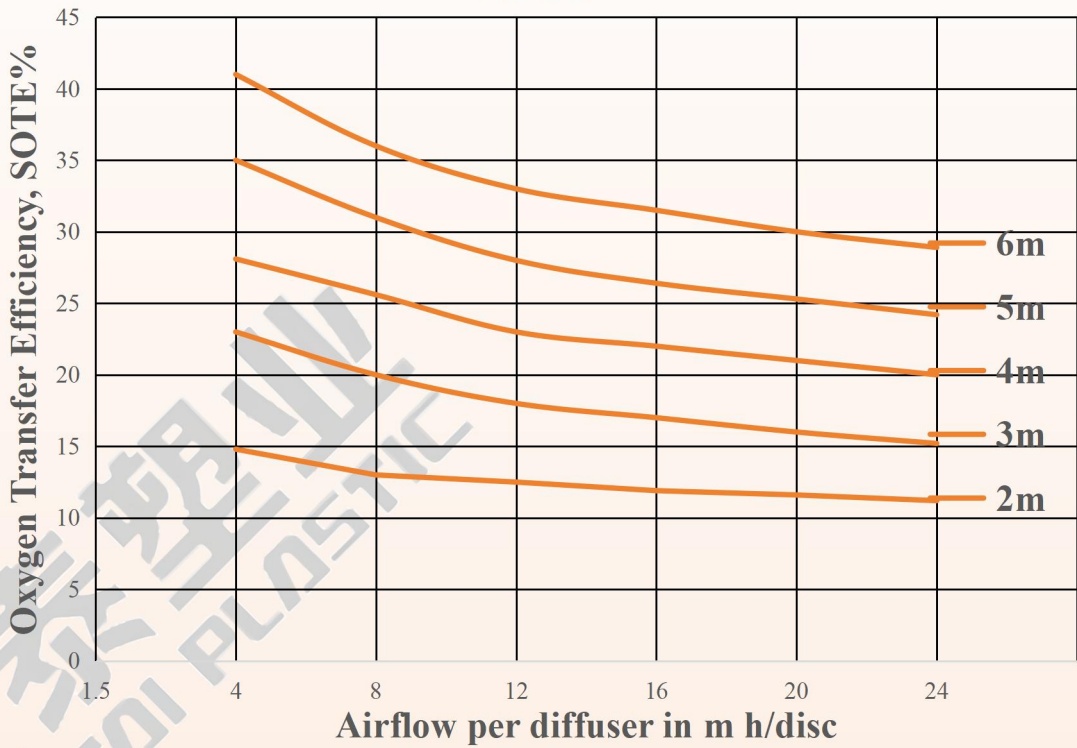
DD & TD STANDARD OXYGEN TRANSFER EFFICIENCY



TD65 SOTE



TD93 SOTE



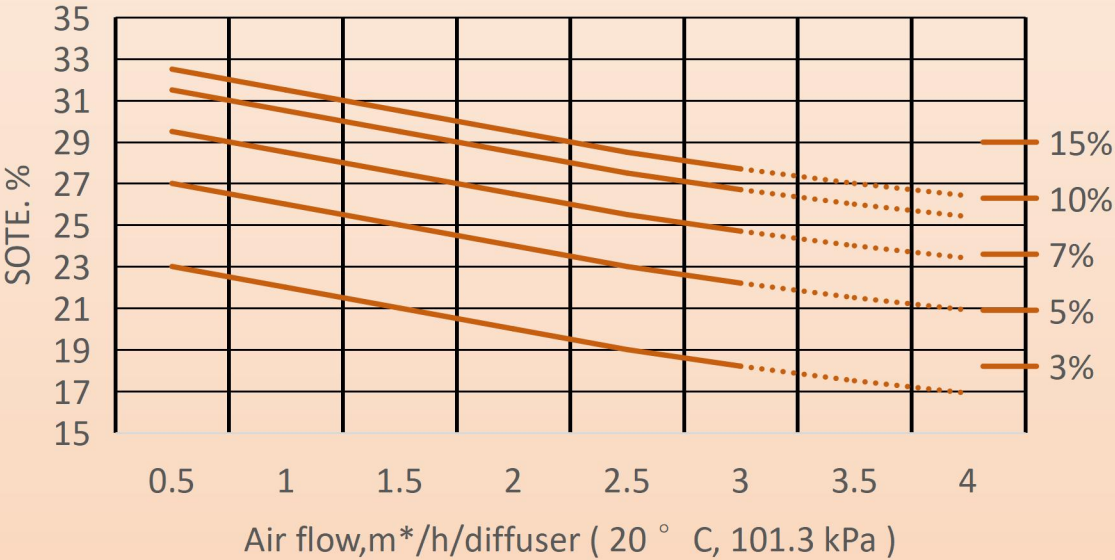
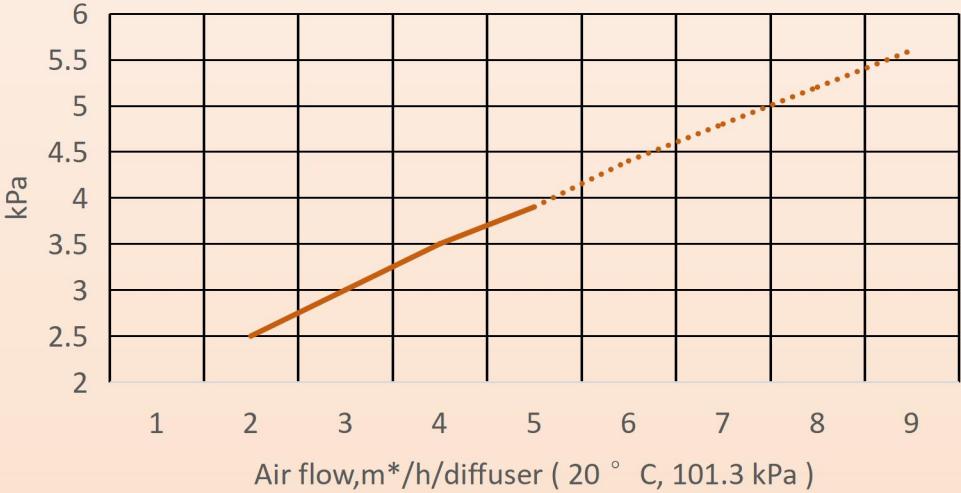
STANDARD OXYGEN TRANSFER EFFICIENCY, SOTE      WET PRESSURE LOSS

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

Submersion depth 4 m.

Diffuser density, DD = total diffuser area / total bottom area

Surface area of one diffuser is 0.025 m²



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 Juntai for capacity guarantees.

Contact Expert

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