



FINE BUBBLE DISC DIFFUSER



AIRSPEC MARKETING SDN BHD (Co.No. 582313-H)

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FEATURES

1. High Oxygen Transmission Efficiency (OTE) The pores on the EPDM membrane are almost 100% even, tiny air bubbles of 1-3mm are formed (the air bubbles are petty and even with the sewage water is increased, so the oxygen transmission efficiency is high. Under the best ventilation capacity, the average oxygen transmission efficiency for every meter of water depth is up to more than 6%.

2. Good effect on saving in power, and low operating cost Because of the high oxygen transmission efficiency, low powered blower can satisfy the oxygen volume required by aeration process. As a result, power is saved, operating cost is decreased, and the cost is reduced.

3. Excellent counterflow prevention function The back stops are all equipped with valves to avoid counterflow when the air transmission is broken off, enabling the pores to shut smoothly and applicable to intermittent operation. Its unique and even air vents can lead the airflow effectively, and can prevent sewage water from flowing into the aerator pipeline effectively.

4. Long guaranteed life

EPDM membrane is a special elastomeric polymer with high nondeformability and anti-tearing index. The membrane is made at even thickness with small pressure. Special processing technology is used to overspread 6000 micro-pores on the surface of the membrane. Under running condition the air bubbles rise with spiral whirlpool, giving self-purification ability to the membrane. The life of the membrane under normal use is guaranteed for 5 years. but usually it is necessary to use it together with the water removal system.

5. Unique ring seal

The aeration head tightening ring provides tight sealing effect between the aeration head base and the membrane washer-the higher the air pressure, the better the sealing effect.

6. Easy installation

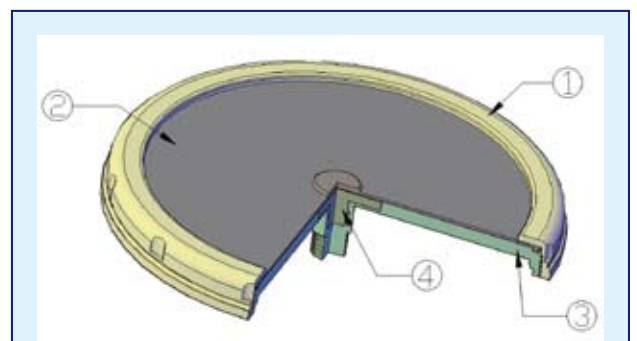
PVC soft connector can be installed directly without any other auxiliary tools. The operation is easy and convenient.



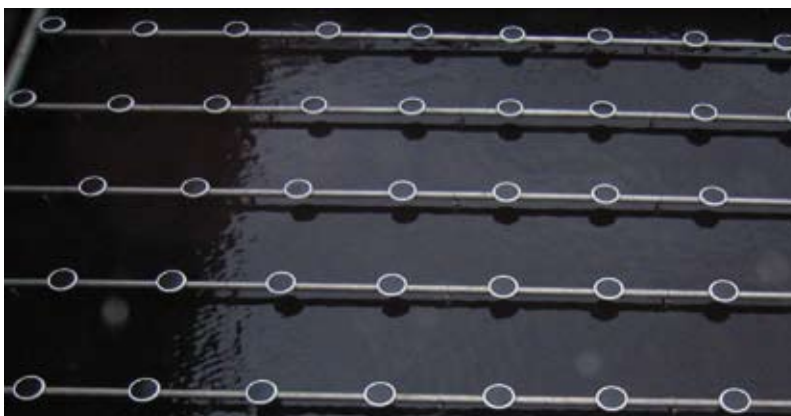
APPLICATION

ARCD 270 Construction

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

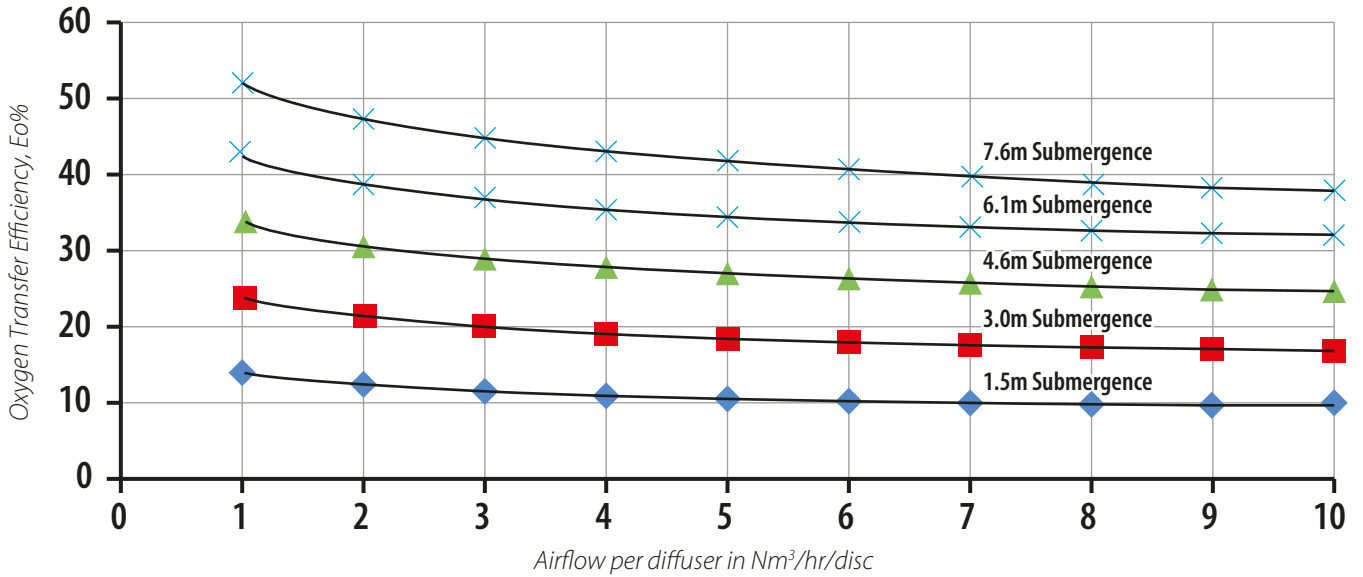


- 1. Ring 2. Membrane
- 3. Base 4. Non Return Valve

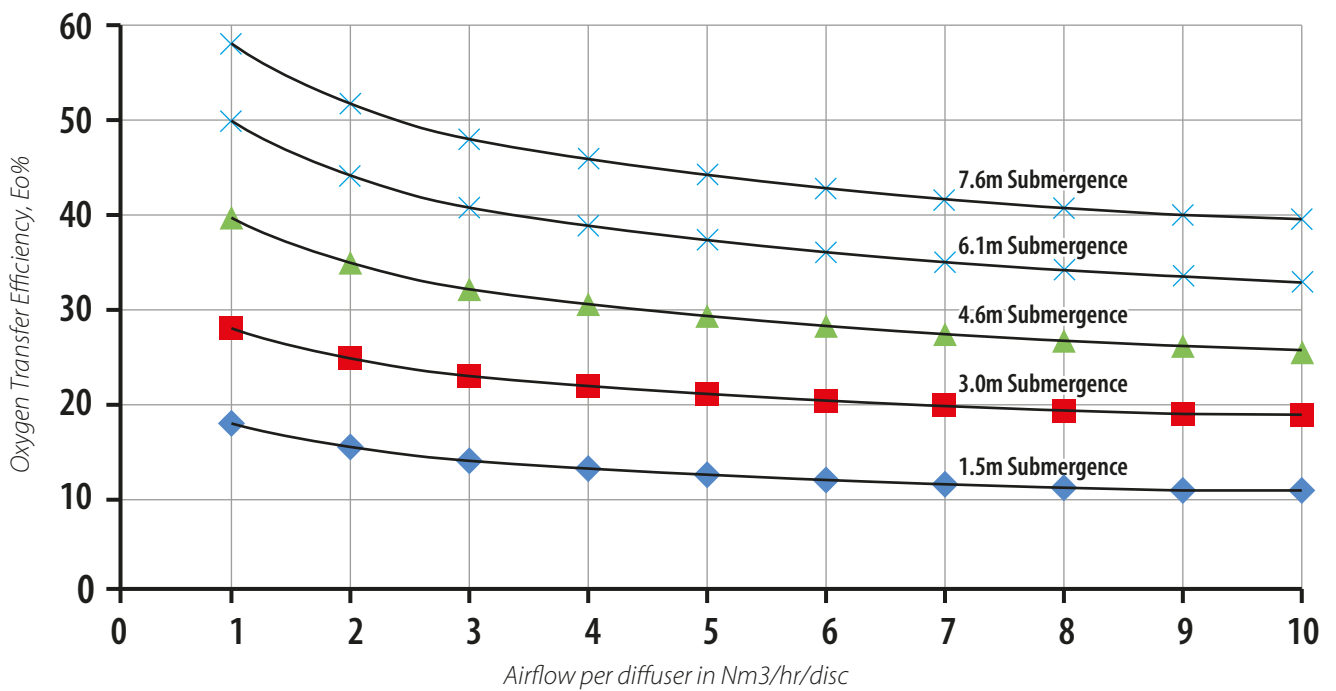


PVC Quick Connect, Model: ARSD-270

ARSD / ARCD-270 DISC 9"
OTE PERFORMANCE



ARSD / ARCD-330 DISC 12"
OTE PERFORMANCE

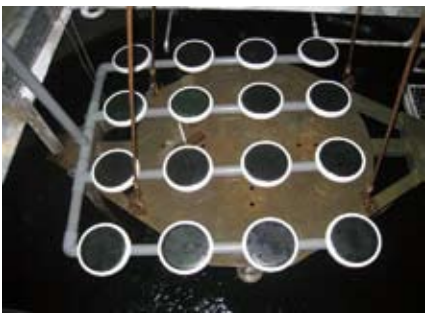




DO Recorder

TESTING TANK

Tank Size DIAMETER: 6M DEPTH: 6M

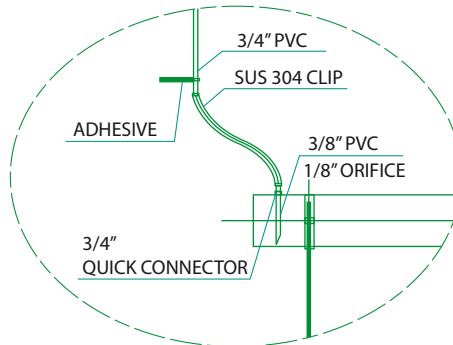


Diffuser Layout



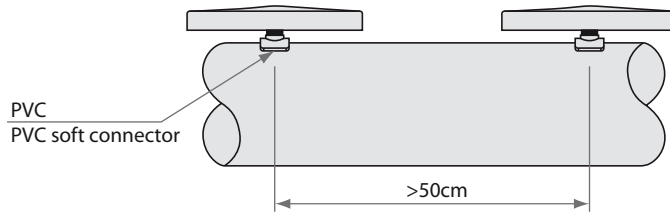
Clear Water Testing

MOISTURE PURGE SYSTEM



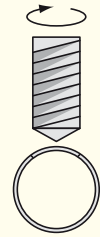
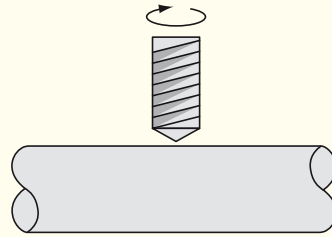
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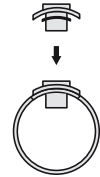
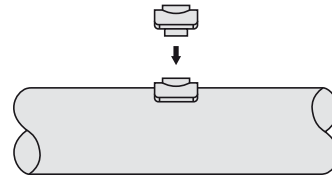
Step 1

Ø32mm : Drill holes of diameter of 32mm



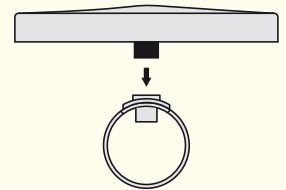
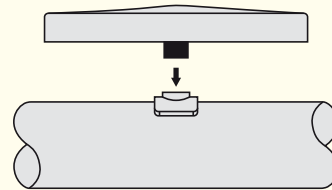
Step 2

PVC : Place the PVC soft connector



Step 3

ARCD-270 : Rotate and press ARCD-270 in the PVC soft connector



Step 4

Wind it tight by hand or tools when it is 80% fully in

