

With a bubble size of around 1 mm, this high efficiency international size aeration tube is our most popular product in diffused aeration. **Specifications:** ½" inside and 1" outside diameter. It is identified by its blue line.

Application Recommended: Grow out ponds, Nurseries, Bio-Floc, RAS, Cage culture

**Airoxi High Efficiency Tube
(A0125250)**

Providing high efficiency with additional additives that give algae, fungal and microbial resistant properties.

Specifications: ½" inside and 1" outside diameter. This tube is identified by its characteristic green line.

Application Recommended: Grow out ponds, with high algae content.

**Airoxi Algae Resistant Tube
(A0125250-AR)**



To fulfill the aeration requirements of high aeration in intensive aquaculture, We have developed a special size with 4 times the flow area & 50% more surface area than any other regular aeration tube **Specifications:** 1" inside diameter and 1.5" outside diameter identified by a white line.

Application Recommended: Grow out ponds, Nurseries, Bio-Floc, RAS, Cage Culture

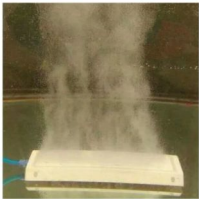
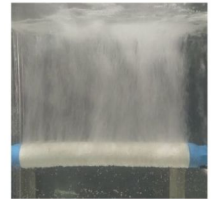
**Airoxi Hi-flow Tube
(A0250380)**

For our customers in the hatcheries and nurseries who would like to use fine bubble diffusers that sink and stay on the bottom we offer the Fine bubble flexible self-sinking diffuser hose.

Specifications: 1/4" Inlet size and 1" outside diameter. Each flexible diffuser is 3 mtrs long.

Application Recommended: RAS and Hatcheries; Also used with oxygen and ozone

**Fine Bubble Flexible
Diffuser Hose**



These ceramic and metal oxide diffusers are extremely efficient, often providing 25-30% air transfer depending on the depth at which they are installed. Self-sinking products, they can be installed easily by simply dropping at the right place. **Specifications:** Ceramic plate diffuser-310 x 115 mm in dimension. Inlet size 5 mm and above. Other product details available on request.

Application Recommended: RAS, Hatcheries, use with oxygen Air or OZONE cylinders

**Ceramic and Metal Oxide
Diffusers**

EPDM self sinking membrane diffusers provide 1.5 to 2 mm size bubbles and are used where moderate pressure air is available. They are available in the standard size of 63 mm x 610 mm with an inlet of 20 mm.

Application Recommended: Hatchery, concrete bottom ponds, RAS.

EPDM rod diffuser



Ready to use high powered aerator at your desired depth. Change the angle from 15 to 45 degrees as per your water depth. A proven product from Aeration Industries International of USA. Get extremely fine bubbles and uniform Dissolved Oxygen at depth. **Specifications:** 2 HP motor delivers approximately 3 Kg of DO per hour. 1.2 mtr long and light weight, sturdy.

Application Recommended: Grow out ponds where water depth is 4.5 feet or more.

**AIRE-02™ From Aeration Industries
International Of USA**

AQUACOMBO Meter

Simultaneous measurement of

- ✓ pH
- ✓ Dissolved Oxygen (DO)
- ✓ Salinity
- ✓ Temperature

Rugged & Waterproof, Easy calibration & operation, 99 data memory storage, 6 AAA type batteries

Specification :

	pH	D.O.	Conductivity	Salinity	Temperature
Measuring range	2.0 ~ 12.0pH	0 ~ 30ppm	0 ~ 69.9mS	0 ~ 42.0ppt	0 ~ 60.0°C
Accuracy	±0.1pH	±1ppm	±2% FS	±1% FS	±0.5°C



Dissolved Oxygen Meter

Feature :

- Temperature + DO reading
- Timer setting for regular interval DO measurements
- Range: 0 to 20 mg/L x 0.1 mg/L
- Records Maximum and Minimum reading with recall
- Power: DC 9V battery or DC 9V adapter in
- Temperature : 0 to 50° C



Water Testing Kit for Aquaculture

- Compact, user friendly, accurate
- Instant results.
- 100 test x 9 parameters.
- Certified accurate by the UNESCO microbial research center, Mangalore College of Fisheries
- Cost is less than Rs. 10/- per test



Diffused aeration is widely accepted worldwide as the most efficient and effective way to aerate aqua culture ponds. AirOxi™ is one of the leading brand names in diffused aeration for the aqua culture industry.

With our regular introduction of innovative products, we strive to fulfill the varied aeration needs in aqua culture. So whether you are seeking to save costs in your grow out pond or are seeking high aeration for your intensive culture in RAS and Bio-floc, We have the perfect solution for you.



Faster Growth



High DO at pond bottom



Better Organic Conversion Cycle



3 times faster Do,
3 times more Do



Reduce Electricity Cost



Higher Immunity



Can be used 24 x 7 hrs





Higher Survival Rate



Higher Stocking Density

Comparative performance of AirOxi™ Products v/s Paddle Aerator

Parameter	AirOxi™ Tube with Blower	Paddle Aerator
		
Total Power required / hectare for average stocking density	✓ 5 HP	✗ 16 HP
Biomass supported / HP	✓ 1000 Kg per HP	✗ 350 Kg per HP
Approximate Initial Cost	✓ 1.5 to 1.8 lac (Blower, Piping, AirOxi Tube, etc.)	✗ 2.40 lac (30,000/- 8nos)
DO- Kg / Hour / Hp	✓ 3.6 kg / HP / hour	✗ 1.2 kg / HP / hour
Average DO levels observed in similar conditions	✓ Day time -8.5 to 9.0 Night- 5.0 to 6.0	✗ Day time -7 to 7.5 Night- 4.0 to 5.0
Time taken for same increase in DO (SOTR- Standard Oxygen Transfer Rater)	✓ 20 Minutes	✗ 60 Minutes
Stocking Density possible because of high DO	✓ High to very high	✗ Low to medium
Approximate Cost of Electricity for 3 months/20 hours per day	✓ 50,000	✗ 1,50,000
Operate During feeding time	✓ Yes	✗ No

* Information provided is based on Feedback from customers