

# MICRO BUBBLE AERATION SYSTEM

## USING AIR STONES FOR WATER PURIFICATION & AQUACULTURE (FISH BREEDING) APPLICATIONS

One of the main reasons to use for water purification and fish breeding farms is to introduce maximum oxygen into the water. in fish breeding the tiny larva cannot be disturbed but need large amount of oxygen.

Air stones do not directly put oxygen into the water. What they do is increase the surface area by producing millions of tiny bubbles so that the more of the water comes in contact with the air to transfer oxygen at maximum transfer efficiency. This allows a greater volume of water to realease carbon dioxide and take in oxygen.

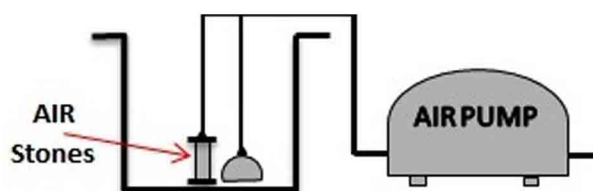
The biggest benefit of an air stone is how much it improves the circulation of disolved oxygen in water. The bubbles are especially effective at lifting the water near the substrate to the top of the tank. This is important because this water often doesn't always get circulated as much as it should.

The Air stones are made out of tiny sand particle under high temperature by sintering process.

These stones are really durable and dissolve oxygen at a high rate. Plus, they put out a lot of tiny bubbles instead of a small amount of large ones.

Eco-friendly epoxy resin is used to attach them to the holder and they're individually packaged to keep them intact.

The final result is the large amount of oxygen is transferred to the water by using air stones. This is an Aeration process to produce NANO AIR BUBBLES to achieve maximum oxygen transfer efficiency.



**Flow Rate: From 40 l/min to 250 l/min**

**Applications:**  
**Drinking Water**  
**Bottling Water**  
**Dug Well Aeration**  
**For remove odours of Ammonia**



**Type A**



**Type B**



**Type C**



**Nano Bubble Air Stone**

**Advantages:**

**Saving of electricity in order of 30-50%**

**Products:**



**Type A**



**Type B**



**Type C**



**Type D**



**Two Way  
SS Valve**



**Five Way SS Valve**



**Nano Bubble Air Stone**

**LD ENGINEERING (PVT) LTD**  
**No.115, Maya Avenue, Colombo 06.**  
**Tel. No.: 011 2 504 389/ 011 3 050 600**  
**Hot Line: 077 3 999 202**  
**E-mail: ldengsales@sltnet.lk**  
**Website: <http://www.ldengineering.net>**