



Aero-Tube™ Aeration Tubing & 12 Inch Aero-Tube™ Diffuser Bars

Colorite Plastics, the world's leading manufacturer of garden hose and aeration tubing, is proud to introduce Aero-Tube™ aeration tubing, the next major advance in aeration. Aero-Tube™ continuous-bubble aeration tubing delivers oxygen in volumes that are unmatched by conventional systems, and at an energy cost that is often less half than that of other systems. There are many options for using Aero-Tube™ aeration tubing technology. From tubing alone to complete system design, Colorite offers a solution for any aeration challenge.

Aero-Tube™ aeration tubing is the heart of Colorite's aeration technology and is extremely simple to use. Among the benefits of Aero-Tube™ technology are a major reduction in energy costs, significantly higher oxygen transfer rates, higher dissolved oxygen (DO) levels, and an improved bottom line. By combining Aero-Tube™ aeration tubing with an efficient clean air blower, you can create a high efficiency, low cost aeration system. Aero-Tube™ aeration hose is available in rolls of 200 feet. See technical specifications in the chart below and to the right for more information.

12" Aero-Tube™ diffuser bars are weighted tubing sections used to replace traditional ceramic air stones. In tank or raceway systems, our diffuser bars use patented Aero-Tube™ technology to efficiently transfer oxygen in both fresh and salt water. Colorite diffuser bars are not prone to breakage like air stones, resulting in a significant cost savings over time. They are also easier to clean – simply rinse the diffuser bars with water, rather than the muriatic acid typically used to clean air stones.



Technical Information

Aero-Tube™ aeration tubing

Outside Diameter	1.00 inch
Inside Diameter	0.5 inch
Wall Thickness	0.25 inch
Weight	220 lbs. per foot
Roll Length	200 ft.
Roll Weight	44 lbs.
Burst Pressure	80 PSI
Optimal Air Flow	0.4 CFM





Aero-Tube™ Diffuser Grid & Aero-Tube™ Air Lift

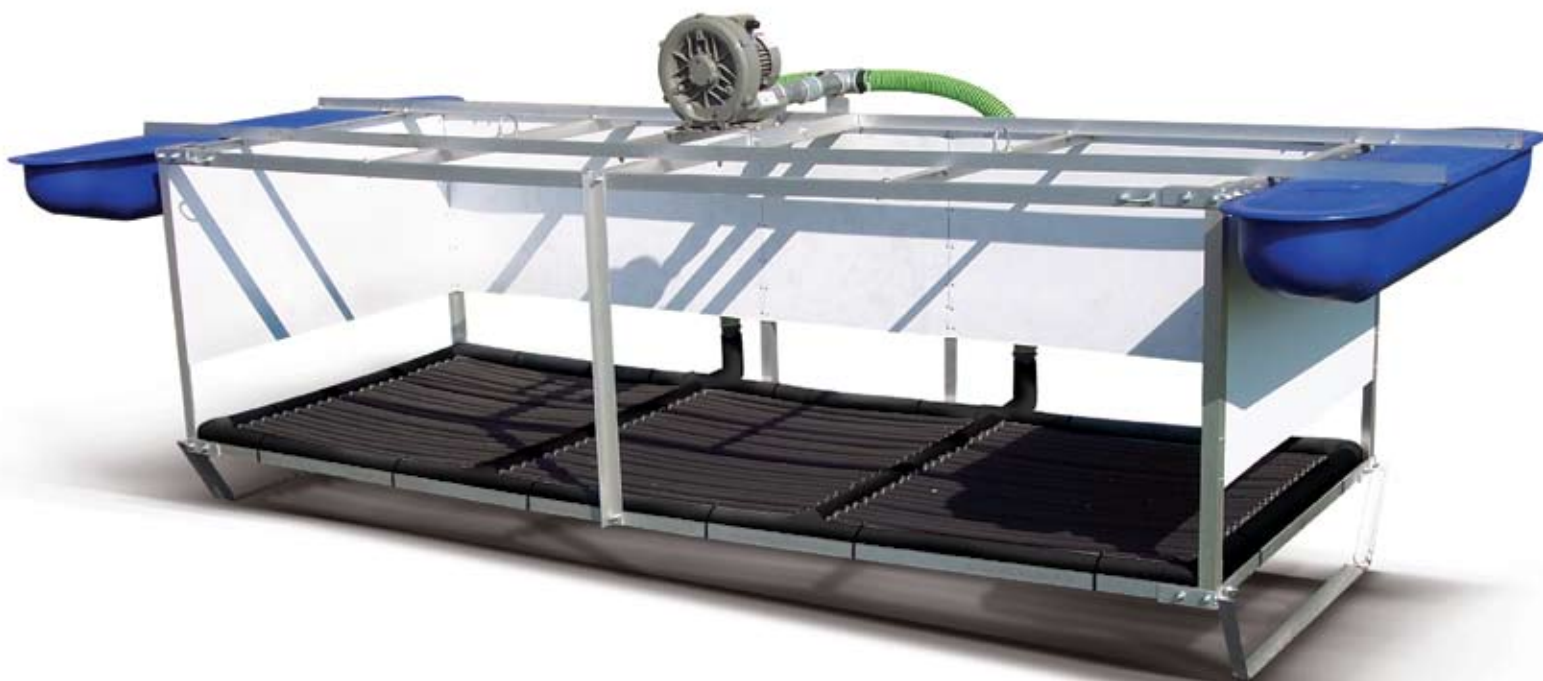
Colorite offers Aero-Tube™ aeration tubing on a stand-alone basis, and we also offer complete Aero-Tube™ solutions to meet your aeration needs. The complete solution options described below utilize the high energy efficiency of Aero-Tube™ aeration technology and provide the flexibility to perform well in a wide range of applications.

Aero-Tube™ diffuser grids – Colorite diffuser grids are engineered to optimally use Aero-Tube™ aeration tubing. They provide a quick and easy solution for implementing our technology in your system. Simply connect the grids to an air supply and you will immediately enjoy the high efficiency and low costs associated with Aero-Tube™ technology. The grid is made of injection molded HDPE plastic and comes with 66 feet of Aero-Tube™ aeration tubing attached using stainless steel clamps. Aero-Tube™ diffuser grids can be used in a wide variety of applications from aquaculture to waste water.



Aero-Tube™ air lift – An Aero-Tube™ air lift is specifically designed to incorporate the technology of Aero-Tube™ aeration tubing and our diffuser grids into a complete aerator. The Aero-Tube™ air lift system provides high velocity directional flow and excellent vertical mixing in a pond or raceway. The Aero-Tube™ air lift allows you to control the water circulation while giving you

unmatched energy efficiency in aerating your system. Many of the traditional aeration devices like paddlewheels and aspirator style aerators have a poor track record of reliability and higher overall energy requirements. By utilizing Aero-Tube™ technology, an Aero-Tube™ air lift solves both of these problems.





Aero-Tube™ Customer Satisfaction

"I have been in the fish hatchery business for 15 years and used silica air stones all the time. I have probably gone through over 3,000 air stones. A few years ago we tried the Colorite aeration tubing and what a difference!! Not only did we save a lot of money in costly air stone replacement and cleaning, but we greatly increased the production capacity of our tanks and improved our water quality. We have used Colorite aeration tubing in several different applications and found it to be much more efficient in oxygen transfer. So, by using the Colorite aeration tubing, we enjoy greater efficiency, better water quality and higher production capacity for a lot less money.

We were out of power for two weeks and we survived Hurricane Katrina – thanks to Colorite aeration tubing."

Steve Abernathy
Til Tech Aquafarm

The following are quotes from Dr. Hugh Hammer – Professor at Gadsden State College. Gadsden State has been working in the field of aquaculture for several years studying the development and harvest of catfish and fresh water shrimp.

Aeration devices using Aero-Tube™ tubing supplied by Colorite, are being used in a Cage culture environment to raise catfish. "Our studies have demonstrated that the device using this particular tubing as compared to traditional aeration devices, has provided outstanding circulation, aeration, and energy efficiency by using just a 1 horse power blower."

Aeration devices using Aero-Tube™ tubing supplied by Colorite, are being used at Gadsden State College to raise and harvest fresh water shrimp. "We have a considerable amount of data to substantiate the following attributes of an aeration device, using the tubing supplied by Colorite, versus the more traditional prop or propeller type of aerators. The attributes are as follows: 1) There is no sediment build up, as typically seen with the propeller type of device. The significance of not having this occur is a reduction of maintenance cleanup or the inoperability of the pond over time,

2) The tubing device provides an even flow of water, in a 'figure 8' motion, thus allowing for superior circulation and maintaining of a consistent level of dissolved oxygen throughout the entire pond, 3) The energy efficiency is superior to the traditional propeller type of devices. A 1 horse power blower can circulate and aerate a .25 acre pond providing an 1100 – 1500 lb. shrimp harvest per pond."

Dr. Hugh Hammer
Gadsden State College

"I have been making paddle wheel aerators for the catfish industry for over twenty years. The aerator we now manufacture using the aeration tubing by Colorite Plastics is more efficient and less expensive to operate than the old-fashioned paddle wheel."

Roland Schmidt
Aerway Manufacturing Company

"This product is making my job much easier. We have converted all of our systems in our fish farming operations, which includes trout, catfish and tilapia to this aeration tube."

Dave Block
Colorado

"I started using the aeration tubing in 1998. In 1999, I noticed my electric bill was less. My electric bill went from \$2,700 down to \$450 monthly by changing to the Colorite aeration tubing. Since that time, I have been helping cities, farmers and others cut their energy cost by switching them to the aeration tubing."

Trent Johnson
Johnson Greenhouses