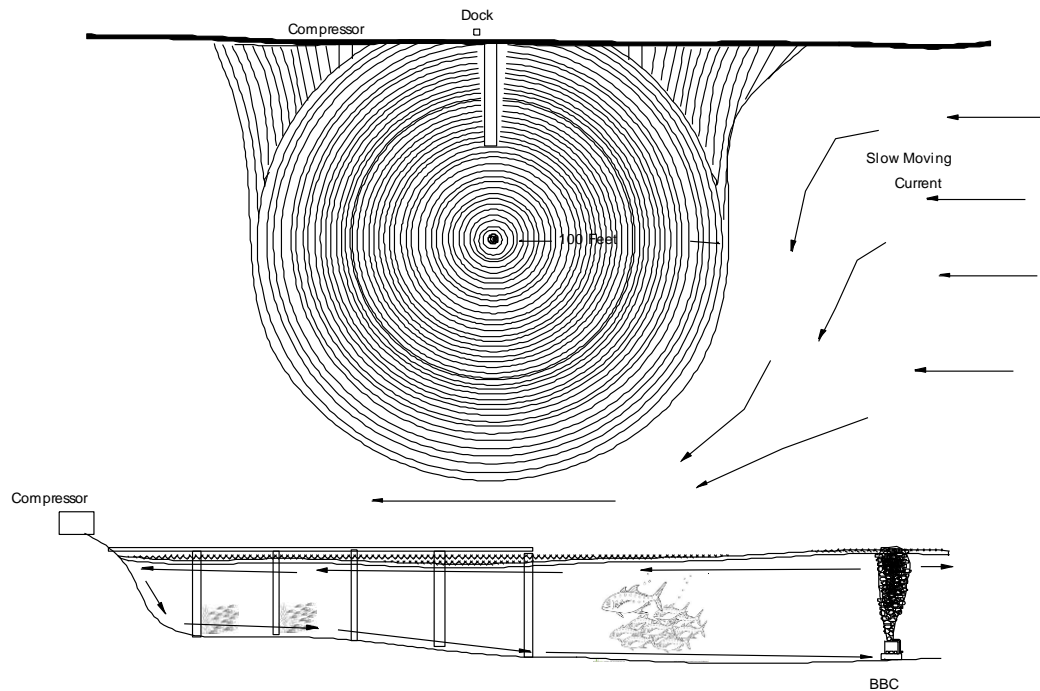


## U.S. Patented Big Bubble Technology Creates Algae Free Fish Friendly Zone Around Docks in Warm Weather and Ice-Free Zone in Winter



### **Big Bubble Circulation (BBC) Dock System (BBCDS)**

The BBCDS system provides for docks up to 100 feet long depending on the shape of the dock and the depth of the water. The specifications and inclusions are:

- BBC
- ½ hp Rocking Piston compressor with a two-year warranty
- 4.5 cfm
- 110v or 220v
- 3.6 amps
- operates up to a depth of 50'
- Lockable steel cabinet
- two valve outlet assembly with pressure relief
- 200' of 3/8" heat reducing hose with connection hardware
- cooling fan

The typical operation cost for a BBCDS is \$0.86 per 24 hours at .09¢ per kWh (actual cost may vary)

## **BBCDS Operation**

### ***BBCDS Forms a Quiet Zone around Dock***

The BBCDS runs 24/7 creating strong ripples that form approximately a ½ acre quiet zone around your dock. The ripples divert slower flowing water and its debris from entering the area surrounding the BBC {above diagram}. Air from the compressor travels through the weighted hose to the BBC which is placed 50 feet from the end of the dock at the bottom of the water. The compressed air enters the BBC which forms large air bubbles that expand and rise to the surface while lifting and drafting water from 20 inches above the bottom. The bubbles breaking at the surface release the transported water forming a large boil which creates strong ripples that form the quiet zone around the dock as they flow towards the shore {above diagram}.

### ***BBCDS Maintains the Quiet Zone***

The ripples moving across the surface towards the shore contain water which absorbs oxygen from the atmosphere before flowing up the shore and back down into the body of water. The water flowing back into the body of water carries oxygen along the bottom as it flows back to the BBC {above diagram}. The quiet zone around the dock will have sufficient oxygen to support:

- degradation of material on the bottom which contains high levels of insoluble nutrients that have settled over the years.
- a healthy bacterial population required for clean clear water.
- invertebrates needed to keep the bottom free of decaying material.
- water which is fish friendly.

## **Be a Good Neighbor**

The BBCDS creates a quiet zone around your dock with the oxygen required to remediate the nutrient rich soil on the bottom as opposed to disturbing it by dredging it to a landfill or blowing it onto adjacent properties with water thruster type equipment.

The BBCDS compressor and auxiliary equipment come in an attractive cabinet which installs easily and makes very little noise when operating.

## **More Information and Videos Available**

For more information and to see actual site videos, visit our website at [www.bigbubblecirculation.com](http://www.bigbubblecirculation.com).