



Vertex Water Features

Lake Aeration Systems & Floating Fountains



B O T T O M A E R A T I O N



AIR3 PLUS XL2™

The Vertex Air3 Plus XL2™ pond aerator is a super-efficient, affordable system designed to maximize aeration in 3-5 acre ponds with irregular shapes and depths. The Air3 Plus XL2™ has the same 3/4 hp (0.56 kW) Brookwood™ SafeStart™ compressor that our HighFlow™ systems use. It's housed in the same rustproof aluminum outdoor cabinet as our standard Air 3™ system, yet boasts a larger manifold with a fourth valve and CoActive AirStation™. The additional AirStation™ can be placed in cove areas, finger canals, behind shallow sandbars, or anywhere in the water body where the pond's shape or bottom contour will limit the oxygen flow from fewer diffusers.

The Air3 Plus XL2™ utilizes Vertex's MicronBubble™ technology, allowing vital oxygen to be absorbed and poisonous gasses expelled. With no electricity in the water, Vertex's aeration systems are safe for any type of water recreation.

Our systems have a full 2-year warranty plus a Limited Lifetime warranty against rust and corrosion on the cabinet, 5-year warranty on the AirStations™ and a 15-year warranty on BottomLine™ supply tubing.

FEATURES

COACTIVE AIRSTATION™

- ◆ Tested pumping rate, up to 14,300 GPM
- ◆ Eight 9" flexible membrane disks with MicronBubble™ technology
- ◆ Self-cleaning, low maintenance
- ◆ Rugged EPDM construction
- ◆ Vacuum formed and sonic welded HDPE base unit
- ◆ Lipped edge prevents sinking into soft bottom sediments
- ◆ 5-year warranty

BROOKWOOD™ COMPRESSOR

- ◆ ½ Hp Vertex HighFlow™ Series
- ◆ 5.6 CFM, 25 PSI, 115v or 230v
- ◆ Highest flow rate of any compressor in its class
- ◆ Thermal overload protection
- ◆ 2-3 year extended duty cycle between scheduled maintenance
- ◆ Full 2-year warranty

QUIETAIR™ CABINET

- ◆ Class "A" GFCI protection on all 115V circuits
- ◆ Powder coated aluminum for a durable attractive finish
- ◆ High capacity 290 CFM fan
- ◆ Easy access design with barrel lock for security
- ◆ Easy plug-in connection to waterside electrical service
- ◆ Heavy duty mounting pad included
- ◆ 5-year warranty

BOTTOMLINE™ TUBING

- ◆ Over-sized 0.58" ID for high flow
- ◆ Heavy duty wall thickness for durability
- ◆ Self-weighted for easy installation
- ◆ Available in 100' and 500' increments
- ◆ 15-year Vertex warranty

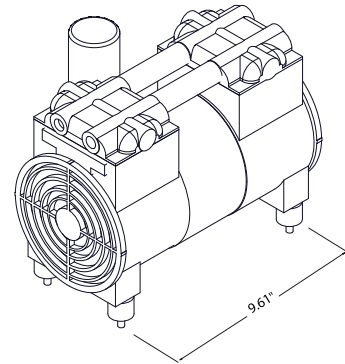
BENEFITS TO THE LAKE

- ◆ High pumping rate easily penetrates stratification layers
- ◆ Circulates entire water column
- ◆ Increases oxygen levels throughout water column
- ◆ Prevents low oxygen fish kills
- ◆ Reduces nutrient levels and associated algae growth
- ◆ Oxidizes/reduces bottom muck
- ◆ Expands oxygenated habitat improving fisheries
- ◆ Reduces aquatic midge and mosquito insect hatches
- ◆ Eliminates foul odors from undesirable dissolved gasses
- ◆ Safe entry - no electricity in the water
- ◆ Extended warranties on all system components

SPECIFICATIONS: AIR3 PLUS XL2™ LAKE AERATION SYSTEM

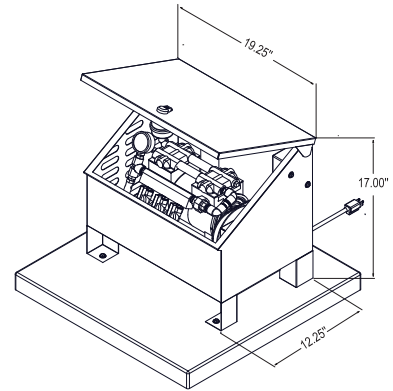
BROOKWOOD™ HIGHFLOW™ COMPRESSOR

3/4 hp (0.56 kW), 115v, 5.6 CFM, 25 PSI, single phase, twin cylinder piston type compressor. Also available in 230 volt 50&60 Hz. UR, CE, CSA listed and built for continuous 24/7 operation. Super-duty Brookwood HighFlow™ compressors incorporate upgraded rotors, stators, bearings and capacitors and are thermally protected, oil-free, and require no lubrication; just periodic replacement of air filter. Extended duty cycle is approximately 2 to 3 years for compressor service, about 2 to 3 times the duty cycle of ordinary piston and rotary vane compressors. All new Brookwood™ HighFlow™ compressor systems carry a 2-year warranty.



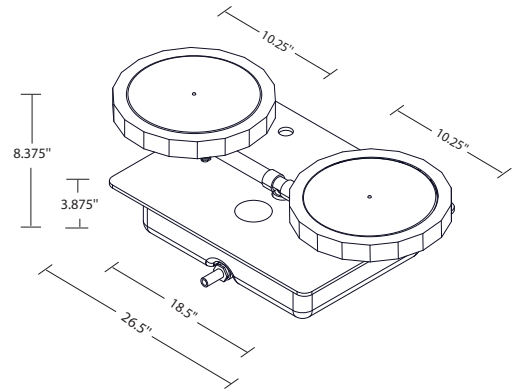
QUIETAIR™ CABINET

Enclosure comes equipped with barrel lock for security, fully gasketed and constructed of aluminum with gray electrostatically-bonded powder coating to provide Limited Lifetime warranty against cabinet rust and corrosion. Enclosure furnished with stamped ventilation grills to insure forced air circulation and an integral cooling fan with thermal protection, producing 290 CFM to guard against excessive compressor operating temperatures. This system is equipped with Vertex SafeStart™ technology allowing auto restart under maximum rated pressure without motor damage. Cabinet provided with HDPE mounting pad. 115 volt enclosures come equipped with a class A GFCI circuit protection for all electrical components. 230 volt systems require the purchaser to provide GFCI protection on their electrical supply circuit.



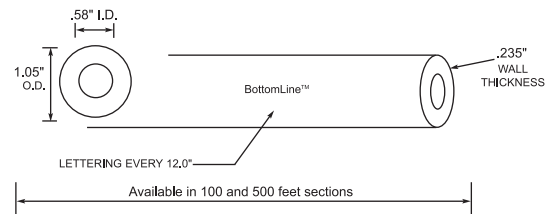
CoACTIVE™ AIRSTATION™ ASSEMBLY

Two air diffusers each consisting of two self-cleaning, 9" diameter, flexible membrane disks of EPDM compound with 100% rebound memory, producing millions of fine 500 to 3000 micron bubbles. Includes FlowControl™ technology that equalizes airflow to all diffusers on uneven bottoms. Each diffuser station is equipped with vacuum formed HDPE base, sonic spot-welded to provide unit integrity. Base unit has a hollow chamber design for the addition of inert pea gravel ballast and has a lipped design to prevent settling into soft bottom sediments. AirStations™ have been independently tested and verified to provide stated pumping rates. 5-year warranty.



BOTTOMLINE™ SUPPLY TUBING

Self-weighted, direct burial submersible tubing for connection from compressor to diffuser stations. Tubing is flexible PVC composite construction for use with standard PVC solvent weld cement and 0.5" insert fittings. Tubing has a smooth walled 0.58" I.D. for extra high flow rates with minimum friction loss to reduce backpressure and extend compressor life. 0.235" wall thickness provides long-term durability and protection against kinking and punctures. BottomLine™ tubing remains flexible in cold temperatures allowing for easy year round installations.



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Install all electrical equipment in accordance with Article 682 of the National Electrical Code and all local codes. Vertex Water Features reserves the right to improve and change our designs and/or specifications of our aerators without notice or obligation.
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