



Vertex Water Features Pond and Lake Aeration

BOTTOM AERATION



LL8 XL2™

The Vertex Large Lake Air8 XL2™ aeration system, designed for larger lakes and reservoirs, utilizes Vertex's latest technology to provide the most aeration for your money. Four super-duty Brookwood™ twin cylinder HighFlow™ compressors, housed in our rustproof aluminum outdoor cabinet, providing over 20 CFM of air, feeds eight of our bottom mounted XL2 AirStations™. The rising force of millions of bubbles circulates the entire water column, entraining bottom water up to the surface allowing vital oxygen to be absorbed and poisonous gases expelled. With no electricity in the water, Vertex's aeration systems are safe for most 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

AIRSTATIONXL2™

- ◆ Total pumping capacity of up to 81,000 GPM
- ◆ Eight XL2 AirStations™ with sixteen self-cleaning membrane disks
- ◆ Shallow water Airstation optional for depths lower than 8'
- ◆ Self-cleaning, low maintenance
- ◆ Rugged EPDM construction with vacuum formed and sonic welded HDPE base unit
- ◆ Lipped edge prevents sinking into soft bottom sediments
- ◆ 5-year "No Questions" warranty

BROOKWOOD™ COMPRESSOR

- ◆ 2-year Vertex warranty
- ◆ Vertex SafeStart™ Technology
- ◆ UL, 115v or 230v, 25 Max PSI
- ◆ Thermal overload protection
- ◆ (4)3/4hp (1.12kW): low electrical costs
- ◆ 2-3 year extended duty cycle between scheduled maintenance

QUIETAIR™ CABINET

- ◆ Includes SafeStart™ technology allowing full pressure restarts
- ◆ Powder coated aluminum for a durable attractive finish
- ◆ Redundant cooling system with (3) high capacity 290 CFM cooling fans
- ◆ Easy access design with cam lock
- ◆ Easy plug-in connection to waterside electrical service
- ◆ Disconnect switch
- ◆ Heavy duty, light weight mounting pad included
- ◆ Sound dampening kit optional
- ◆ Limited lifetime warranty against rust

BOTTOMLINE™ TUBING

- ◆ Over-sized I.D. for high flow
- ◆ Self-weighted for easy installation
- ◆ Available in 100' and 500' increments
- ◆ 15-year Vertex warranty

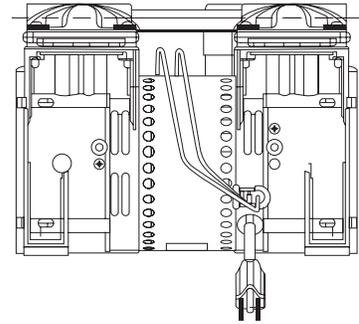
BENEFITS TO THE LAKE

- ◆ High pumping rate easily penetrates stratification layers
- ◆ Circulates entire water column
- ◆ Increases oxygen levels throughout water column
- ◆ Promotes beneficial bacteria growth
- ◆ Prevents low oxygen fish kills
- ◆ Reduces nutrient levels and associated algae growth
- ◆ Oxidizes/reduces bottom muck
- ◆ Expands oxygenated habitat for improved fisheries
- ◆ Reduces aquatic midge and mosquito insect hatches
- ◆ Eliminates foul odors from undesirable dissolved gases
- ◆ Safe entry – no electricity in the water
- ◆ Extremely energy efficient

SPECIFICATIONS: LL8 XL2™ LAKE AERATION SYSTEM

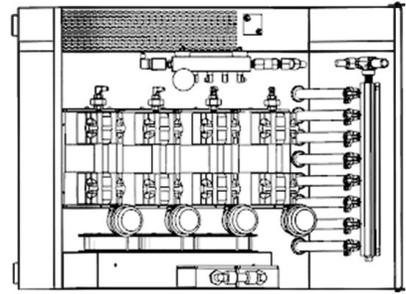
BROOKWOOD™ HIGHFLOW™ COMPRESSOR

(4) 3/4hp units, 22.4 Total CFM, 25 max PSI, single phase, twin cylinder piston type compressors. 230 volt single phase 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 4 years for compressor service, about 2 to 4 times the duty cycle of ordinary piston and rotary vane compressors. All Brookwood™ HighFlow™ compressor systems carry a 2-year warranty.



QUIETAIR™ CABINET

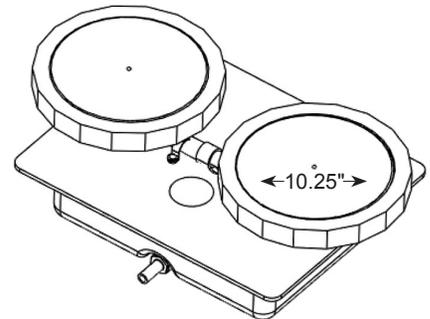
Enclosure comes equipped with cam lock for security and exterior disconnect switch for safety. Fully gasketed and constructed of aluminum with gray electrostatically-bonded powder coating to provide lifetime warranty against rust. Enclosure furnished with stamped ventilation grill to insure forced air circulation and integral redundant cooling fans, producing 870 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. 230V system requires the purchaser to provide GFCI protection on their electrical supply circuit. ETL Listed. Quick disconnect switch included. Side mounted muffler box and additional insulation optional for quieter operation.



28" W x 32" L x 22.5" H

AIRSTATION XL2™ ASSEMBLY

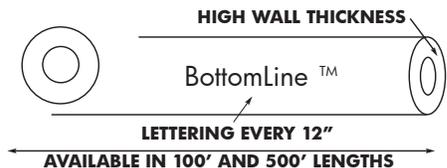
Diffuser station consisting of two self-cleaning, 9" diameter, flexible membrane diffusers of EPDM compound with 100% rebound memory, each producing millions of fine 500 to 3000 micron bubbles – the majority 500 to 1000 microns. Each diffuser station is equipped with vacuum formed HDPE base, sonic spot-welded to provide unit integrity. Base unit is made of hollow chamber design for the addition of inert pea gravel ballast and have lipped design to prevent settling into soft bottom sediments. AIRSTATION™ is designed with adjustable diffuser riser to accommodate any site requirements.



14.375" W x 18.625" L x 8.375" H

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 insert fittings. Tubing has 0.58" I.D. and high wall thickness for long term durability and protection against punctures. Remains flexible in cold temperatures.



AVAILABLE IN 100' AND 500' LENGTHS



Vertex Water Features
Pond and Lake Aeration

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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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