



Quattro-DB® and Mezzo-DB® Ultrasonic Algae Control Systems



- Use in lakes, reservoirs, wastewater treatment lagoons, clarifiers and sedimentation basins
- Quattro-DB offers 360° coverage for water bodies up to 120 acres
- Mezzo-DB offers bi-directional coverage for narrow bodies of water up to 400 meters

These environmentally-friendly algae control systems use ultrasonic waves to disable most blue-green and green algae and prohibit biofilm growth. They are easy to install and maintain, and can run on AC or DC power.

In source water applications, both systems help increase filter run times; reduce chlorine usage, THMs and HAAs; and improve water taste and odor. In wastewater treatment lagoons, they help maintain healthy DO levels to ensure adequate treatment, and avoid odor problems and high TSS.

The **Quattro-DB transducer** emits over 2000 ultrasonic frequencies and provides 360° coverage with just one transducer—making it the most efficient ultrasound product in the marketplace. It disables algae via critical structural resonance without harmful cavitation. Bacterial biofilm growth is controlled by mimicking continuous water turbulence to prevent colonization. Range of coverage depends on algae type (green algae and diatoms up to 17 acres; blue-green algae up to 120 acres per transducer).

The **Mezzo-DB transducer** uses two frequency ranges of ultrasonic waves: one for green algae and the other for blue-green algae. The transducer emits ultrasonic waves in front and behind of the transducer. Green algae and diatoms are controlled up to 150 meters bi-directionally from the device, and blue-green algae are controlled up to 400 meters bi-directionally.

Includes: float with flag and 85-140 VAC power supply (powers up to two transducers) with North American-style plug. Required power supply cables sold separately. 3-year warranty.

Note: Cable lengths up to 250 meters and different power supplies, including solar power, are available. Contact us for details.

DESCRIPTION	STOCK #	EACH
One Quattro-DB Transducer System	90138	\$
Two Quattro-DB Transducer System	90139	
One Mezzo-DB Transducer System	90140	
15-m Cable	90141	
20-m Cable	90142	



Time & Temperature Controller 71882



Kasco® Circulators/Mixers

- Keep ponds aerated all year round
- Prevent ice from forming in a variety of applications
- 1-phase 115V operation—models available up to 1 hp

Use these circulators/mixers to keep ponds aerated, prevent damaging ice in ponds and lagoons, and keep water open for wildlife.

Optional controllers allow intermittent use, eliminating the hassle of manual on/off operation. Using a controller can save you up to 66% in energy costs! **Thermostat controllers** run units only if the air temperature falls below your desired setpoint (typically 30°F). **Time and temperature controllers** run units only if both the timer and thermostat are simultaneously activated.

Universal dock mount kits let you position circulators/mixers at different angles, including vertically. They're adjustable up to 10 feet from the mounting bracket; attach to a dock, piling or structure.

Horizontal flotation kits use a foam flotation billet, and have an elongated de-icing pattern that's ideal for use in shallow water.

All circulators include: a power cord and two 20'L suspension ropes.

Note: 3/4-hp and 1-hp models are also available as 1-phase 240 VAC. Contact us for details.



Universal Dock Mount Kit 71886 keeps water open near docks.



Horizontal Flotation Kit 71944 optimizes de-icer performance in shallow water.

HP	UNITS WITH 25'L POWER CORD		UNITS WITH 50'L POWER CORD		UNITS WITH 100'L POWER CORD		REPLACEMENT PROPELLERS	
	STOCK #	EACH	STOCK #	EACH	STOCK #	EACH	STOCK #	EACH
1/2	56371	\$	56372	\$	34047	\$	36013	\$
3/4	56373		56374		71888		71880	
1	56377		56378		34048		71915	

Accessories

DESCRIPTION	STOCK #	EACH
Thermostat Controller	56379	\$
Time & Temperature Controller	71882	
Universal Dock Mount Kit	71886	
Horizontal Flotation Kit	71944	