

Mezzo-DB™

ULTRASONIC UNIT

CHEMICAL-FREE ALGAE & BIOFILM CONTROL



Mezzo-DB™ Ultrasound System - A state of the art ultrasonic device for algae and biofilm control. The Mezzo (Bi-Directional) – DB (Dual Bandwidth) offers features not found before in these types of devices. The bi-directional sound output allows for 180° coverage and is achieved with just one piezo sound emitter that operates in two different bandwidths for more effective control of green algae and diatoms in the lower bandwidth and blue-green algae in the higher bandwidth.

FEATURES:

- 180° treatment coverage
- Covers large algae control zone (Green Algae Control Range: 150 meters bi-directionally from the device / Blue-green Algae Control Range: 400 meters bi-directionally from the device)
- 2000+ distinct frequencies spans multiple bandwidths
- Very low power consumption & cost to run (Electric or solar powered options)
- Simple to install & maintain

BENEFITS:

- Improved water taste & odour
- Enhanced water quality and clarity
- Reduced pH & percentage of suspended solids
- Reduced chlorine usage, which means less THM's and HAA's
- Increased system lifespan & filter run times

MULTIPLE AREAS FOR USE:

- Lakes, Ponds & Pools
- Reservoirs & Irrigation Dams
- Waste Water Treatment Lagoons, Clarifiers & Sedimentation Basins
- Storage & Distribution Water Tanks
- Fresh and Marine Aquaculture - Reduces off-flavours

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The device creates ultrasonic frequencies that cover two important bandwidths where algae can be controlled via critical structural resonance. Ultrasound works as the force to cause these internal vibrations in algae cells or in organelles inside the algae cells that effectively disables them.



Each unit includes:

- Ultrasound Device
- Electronic Controller Unit
- Float & Flag
- Power Cord



The device does no harm to higher order organisms such as fish and plants, nor does it harm bio-solids and planktonic organisms. Since the device can control biofilm formation on cleaned surfaces, you may notice surfaces near the device remain clean for long periods after being initially cleaned. Some fungi, such as Pythium, will also be controlled by this device.

Marketed in New Zealand by:

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