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# WaterIQ Technologies™ Sustainable Algae & Biofilm Control



## The Highest Precision Ultrasound Targeting for Algae and Biofilm Remediation and Prevention with 4400 Frequencies



### Pulsar4400

4400 frequencies target most green, blue-green and some golden and red algae. The 4400 provides the highest targeting precision for high value water resources.



### Pulsar3400

Designed for smaller applications with lower range for smaller bodies of water and enclosed applications -- but with the same high precision targeting of algae and biofilm.

WaterIQ Technologies™ is the leading supplier of solutions that prevent and combat algae using advanced ultrasonic technology, restoring water to its natural state quickly and sustainably without the use of harmful chemicals.

The Pulsar represents the next-generation in ultrasonic defense systems designed for prevention, performance, and reliability. Our systems operate 24/7, provide high-reliability telemetry and cloud connectivity enables real-time monitoring of operational performance and water quality.

### WaterIQ Technologies Sustainable Algae Management -- SAM



Prevent - Combat - Sustain

## Options



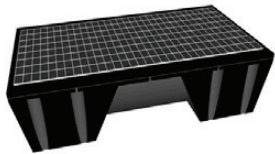
### A-Frame Land Based Solar

Ideal power for smaller applications where local power is accessible



### Land based AC/DC Powered

Shore based power supply for applications where AC power is available



### Sentinal and Sentinal AIQ+

Used in large applications and where AC power is not available and cables are prohibitive



### Pulsar Float System

The standard solution for land based systems – cable linked from the shore to the float



### SenselQ

Available in a small format MiniSense and eight sensor SenselQ8 models. We are happy to discuss other options

## Options and Configurations

Attribute	Pulsar 3400	Pulsar 4400
Number of Frequencies	4400	4400
Number of Piezo Transducers/head	4 heads @ 90 degrees	4 heads @ 90 degrees
Algae targets (All units address biofilm)	Biofilm and lower range applications	Most cyanobacteria and blue green algae + selective golden and red
Green Algae Target Range	80 Meters Radial (10 acres)	150M Radial (17 acres)
Blue Green Algae Target Range	200M Radial (60 acres)	400M Radial (120 acres)
Biofilm Target Range	45M	60M Radial (2.8 acres)
Power Options	120V/240V, 24V DC, Solar	120v/240v, 24vDC, Solar, Sentinel AIQ/+
Head Options	Single Unit or Dual Units to the same power supply	Single Unit or Dual Units to the same power supply
Anti Fouling – non mechanical	Y	Y
Clarifier Option for integrated Cable	Y	Y
Custom Cable lengths	Y	Y
Standard Monitoring/Telemetry including on/off, restart, reboot, sync and measurement of operational performance and water quality metrics at set intervals	Y	Y
Water Quality Monitoring – MiniSenseIQ –Chlorophyll A, Cyanobacteria, Temp – no calibration with wiper	N	Y
Water Quality Monitoring – SenselQ8 – Basic + OPR, Ph, Do, Turbidity	N	Y
Power Consumption	30 W total	30 W total
Connectors	IP69	IP69
IQCloud Integration and Access	Y	Y

## Check out the Results



Teton Pines -- Blue-Green Algae



Wilson Pond -- Spirogyra

Get in touch with us!

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