



ASMP-Series Lakes & Dams



ASM Ultrasonic technology greatly remove filamentous algae and nitrate in water in a environmentally way

ASMP series will help you take back control of your water without harsh chemicals or toxins so readily available and promoted with disregard of their long term effects.

Sonic waves works in the same fashion and in doing this it has become highly effective at dealing with water issues, otherwise known as plank- tonic algae.

What's interesting is that it can also prohibit the growth of other types of algae as well. Even string algae and floating pond scum, and bio film can be measurably effected by ultrasound in fresh and salt water.



Along with this wonderful, wide ranging ability, ultrasound also stimulates any existing beneficial bacteria that is in the pond and by increasing the vitality of this element of the pond lagoons, it thereby helps in the cleansing and balancing of the pond as well

In addition, installations have shown that elements such as total suspended solids, nitrates, phosphates and odour will be reduced. Certain blue-green algal blooms are toxic and cause a rash known as swimmers itch, while powerful neuromuscular toxins released by other cyanobacterial can kill fish living in the water or the animals that drink the water.

These small rootless plants not only turn the water green, they have a disastrous effect on animals, humans and the environment causing vegetative decay and odour.

Benefits

- Greatly removes filamentous algae, bacteria, smell and common green algae and clearer water
- No need to use harmful chemicals treatment to achieve odourless clear water
- Ultrasonic bio-acoustic waves cause bio-film and nutrients to implode and release healthy high energy free radicals that consume bio-film, algae, nitrates and bio-contaminates.
- Environmentally friendly as there are no pollutants associated with this method.
- It is also completely harmless to humans, birth life and animals.
- Simple Installation to excising lakes and ponds the need of reliable power supply is a must

Environmentally friendly



ASMP

Technical information



ASMP Series Technical Specifications May 2014	ASMP-200	ASMP-400	ASMP-600	ASMP-800	ASMP-1000	ASMP-1200
Applications						
• Cooling towers	✓	✓	✓	✓	✓	✓
• Lakes, pools and ponds	✓	✓	✓	✓	✓	✓
• Waste & water treatment plants intakes	✓	✓	✓	✓	✓	✓
• Water storage tanks & reservoirs	✓	✓	✓	✓	✓	✓
• Horticulture	✓	✓	✓	✓	✓	✓
• WWTP lagoons & lakes, medium flow,	X	✓	✓	up to 15,000m ²	up to 19,000m ²	up to 21,000m ²
• Offshore-onshore aquaculture fish pens, high flow, max. net diameter	X	✓	✓	up to 10-20m	up to 20-40m	up to 20-60m
Operating Temperature range	-30 ~ +50° Celsius					
Operating Humidity Range	0 ~ 80%					
Conformed & Approved to	CE US E224558					
Control Box	Polyester-fibreglass ventilated enclosure fitted with locks ip 65					
Output Power—high speed sonic pulsing up to: Ultrasonic waves watts	200	400	600	800	1000	1200
Dual input. Voltage maximum use per hour						
• 230 VAC ± 4% 50/60 Hz (regulated/low noise)	1.0 Amp	1.4 Amps	1.6 Amps	1.9 Amps	2.4 Amps	3.4 Amps
• 120 VAC ± 4% 50/60 Hz (regulated/low noise)	2.0 Amp	2.8 Amps	3.2 Amps	3.8 Amps	4.8 Amps	6.8 Amps
Rolling Drive Frequency	Up to 120KHz	Up to 120KHz	Up to 120KHz	Up to 120KHz	Up to 120KHz	Up to 120KHz
Frequencies (kHz)	Programmable	Programmable	Programmable	Programmable	Programmable	Programmable
LED Status Indicators	Frequency & power output	Frequency & power output	Frequency & power output	Frequency & power output	Frequency & power output	Frequency & power output
Circuit Protection	Built-in protection against overheating lightning strikes voltage safety earth leak switch, voltage protector and overloading					
Transducers (stainless steel sonic pulse amplifiers)						
Maximum power Ultrasonic waves	1 x 200W	2 x 200W	3 x 200W	4 x 200W	5 x 200W	6 x 200W
• Transducer Housing	Grade 316 stainless steel measuring 120 x 130mm, weight 3.2kg each					
• Sonic face plate - stainless steel	Up to 200W	Up to 200W	Up to 200W	Up to 200W	Up to 200W	Up to 200W
• Transducer shielded flexible, cable waterproof	1 x 20m	2 x 20m	3 x 20m	4 x 20m	5 x 20m	6 x 20m

- Notes:**
- All systems are supplied complete with an Installation Manual, the Control Box, the requisite number of transducers and the corresponding number of transducer cables.
 - The standard transducer cable length as supplied is 20m.cable. Custom length cables can be supplied upon request up to the maximum useable length of 150m.cable.
 - We reserve the right to modify or change the specifications to improve or up-grade our products at any time without prior notification .
 - The systems are supplied and shipped in purpose built packaging cartons. The number, size and weight of the cartons varies depending on the model. See individual product brochures for details.

Hardware Guarantees	Optional Items:
<ul style="list-style-type: none"> 1 year on electronics 1years on PCB engine board 1years on transducers 	<ul style="list-style-type: none"> ASM-Continuous custom transducer cable up to 150m Asm-S1500 complete solar panel system 1500W/wind turbine generating over 36Kwh per day Customised brackets and floats



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