



ASMP-Series Fish Nets & Cages



ASMP series provide a multifaceted approach to control algae, parasites, sea-lice and barnacles while maintaining an ecologically friendly approach

Fish net cleaning is one of the biggest costs in marine aquaculture management is weed growth on fish cages and the labour and plant costs devoted to cleaning nets is significant. Considerable effort and research has been devoted by ASM to this particular challenge and recent technological advances have been applied



The ASMP series are specifically develop for this and uses the latest in sonic wave technology.

The evidence that the ultrasound irradiation as applied did not inhibit survival of even small marine animal.

Fish flourish in a clean environment, fish disease , parasites and fungus development is reduced in a clean environment. Fishnets,

The Benefits

1. Greatly removes filamentous algae and common green algae on nets, pontoons, moorings and pylons.
2. No need to use harmful copper treatment for nets or mechanical cleaning
3. Fish disease, parasites and fungus development is limited in a clean environment nets will greatly reduced fish thrive and life is vibrant in a clean environment
4. Prevent juvenile parasites and sea-lice in to the exposed ultrasonic wave aria
5. Higher yield and improved fish grading improving ROI
6. Environmentally friendly as there are no pollutants associated with this method
7. It is also completely harmless to humans, marine life and animals.
8. Simple retro Installation to excising fish cages the need of reliable power supply is a must.
9. No fouling on fishnets

ASMP-1200



ASMP-1200



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	✓	✓	✓	✓	✓	✓
• Suitable Applications	✓	✓	✓	✓	✓	✓
• 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 Watts	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 30m	2 x 30m	3 x 30m	4 x 30m	5 x 30m	6 x 30m

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

- 1 year on electronics
- 1years on PCB engine board
- 1years on transducers

Optional Items:

- 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



Asm International Pty Ltd
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Net without ASM device - 8 weeks after cleaning. Net almost fully clogged with bio fouling

Net exposed to ASM ultrasonic device – 8 weeks after cleaning – no or very little fouling evident.

Distributor:

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