

AQUAmark® Selection Guide



AQUAmark® 100



AQUAmark® 210



AQUAmark® 300



AQUAmark® 848

Application	Bycatch reduction	Bycatch and depredation reduction	Bycatch	Mitigation for offshore construction
Target species	Harbour porpoise	Most porpoises and dolphins	Harbour porpoise	Most porpoises and dolphins
Regulations	EC Council Regulation 812/2004 (Set 1) for static nets		NOAA Fisheries Take Reduction Plan & NMFS regulations	

Features

Depth rating	200m	200m	200m	500m
Recommended spacing	200m	200m or 100m	300ft	Range up to 1500m
Activation	Wet switch	Wet switch	Wet switch	
Battery life (seasonal use)	Up to 4 years	Up to 2 years	2 - 4 years	1 week between charges
Battery life (continuous use)	1 - 2 years	8 months	Up to 1 year	

Acoustic signal

Waveform	Wideband frequency modulated waveforms	Wideband, extra random, frequency modulated waveforms	Wideband, extra random, frequency modulated waveforms	
Frequency	Harmonic energy bandwidth 20kHz to 160kHz	Harmonic energy in the 5kHz to 160kHz band	10kHz ± 2kHz	Primary bandwidth 5 kHz to 30 kHz. Harmonic energy to 120 kHz
Duration	200-300ms	50-300ms	300ms + 15ms	
Repeat interval	4-30s, randomised	4-30s, extra random	4s + 0.2s	
Sound level	Typically 145dB re 1µPa @ 1m peak	Typically 150dB re 1µPa @ 1m peak	132dB re 1µPa at 1m ± 4dB	Typically 165 dB re 1 µPa @ 1 m peak

Application

Gill nets and other static nets	✓	✓	✓	
Trammel nets	✓	✓	✓	
Pound nets	✓	✓	✓	
Tangle nets	✓	✓	✓	
Purse Seine		✓		
Trawls		✓		
Longlines		✓		
From vessel				✓
Moorings				✓

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