# BPS MARINE

## ULTRASONIC ANTIFOULING TECHNOLOGY



**Industrial results for recreational watercraft**

PLEASURE CRAFT PRODUCT GUIDE
2026

APPEX TRADE

# BPS MARINE

## ULTRASONIC ANTIFOULING PROTECTION

BPS Marine's products feature ultrasound technology to provide the most advanced antifouling protection available to boaters.

With years of successful service to boaters around the world, we have become a preferred antifouling choice for those who demand the absolute best performance.

Our systems are a fully automatic solution that work around-the-clock to keep your boat clean, so you don't have too. Ultrasonic Antifouling is an investment for your future - start saving time, money, and hassle today.

It's time you experience the effortless luxury of ultrasonic antifouling.

## STANDARD FEATURES

**ECO POWER** — Automatic detection and calibration for sustainable power sources like solar and wind.

**BATTERY PROTECTION** — Smart monitoring will automatically power down when battery levels are critically low.

**INTELLIGENT OPERATION** — 100% Automatic operation does the work for you, simply turn the system on and it will handle the rest.

**OCEAN SAFE** — BPS systems are safe for the marine eco-system and can reduce your environmental impact.

**LIFETIME WARRANTY** — Enjoy years of operation with a lifetime warranty that covers all of the parts of each system.

# COST EFFECTIVE

Ultrasound repels fouling before it can attach. This means you won't need a routine diver who will be constantly removing layers of valuable paint. The bottom paint stays on your hull - this can dramatically increase the functional lifespan of your bottom coating. As a result, having BPS systems will save on diver costs while also reducing costs associated with new bottom paint applications - haul out fees, yard fees, paint and material fees, hazmat fees, and labor.

Toxins in the paint removed by divers are also harmful to marine life. Some areas have already restricted divers from cleaning boats for this reason.

## Lessens The Need Dive Cleanings

Ultrasound repels fouling - the surfaces stay clean longer.

## Less Re-painting

Re-applying your bottom paint is expensive.

- **Haul-Outs Yard**
- **Space Fees**
- **Hazmat Fees**
- **Expensive Paints & Materials**
- **Labor & Unexpected Costs**
- **Damage From the Process**

## No Drag - Better Fuel Efficiency

Fouling starts to accumulate on your hull as soon as the diver leaves. BPS protects your bottom from fouling 24/7 - 365 days a year.

## ESTIMATED ANNUAL SAVINGS FOR A 50' CRUISER

| | 1 YEAR | 2 YEARS | 3 YEARS | 4 YEARS |
|---|---|---|---|---|
| Without BPS | $5900 | $5900 | $5900 | $5900 |
| **With BPS** | **$3598** | **$0** | **$0** | **$0** |
| ***SAVINGS*** | **$2302** | **$5900** | **$5900** | **$5900** |

***BPS PAYS FOR ITSELF IN JUST 8 MONTHS***

# View Our 12V Systems

## BPS-2

Two Transducer
Antifouling System




## BPS-4

Four Transducer
Antifouling System




## BPS-6

Six Transducer
Antifouling System




## BPS-8

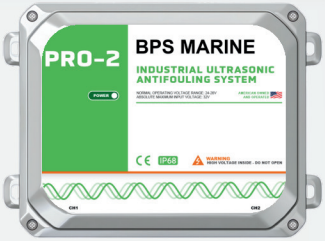
Eight Transducer
Antifouling System

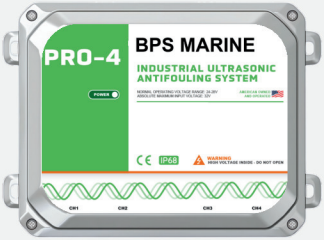



## View Our Installation Guide

# View Our 24V Systems

## PRO-2
Two Transducer
Antifouling System




## PRO-4
Four-Transducer
Antifouling System

## PRO-8
Four-Transducer
Antifouling System




## View Our Installation Guide





# Effects of Bio-Fouling

- **Frequent Diver Cleaning**
- **Routine Bottom Painting**
- **Expensive Haul Outs**
- **Poor Fuel Efficiency**
- **Damaged Parts**



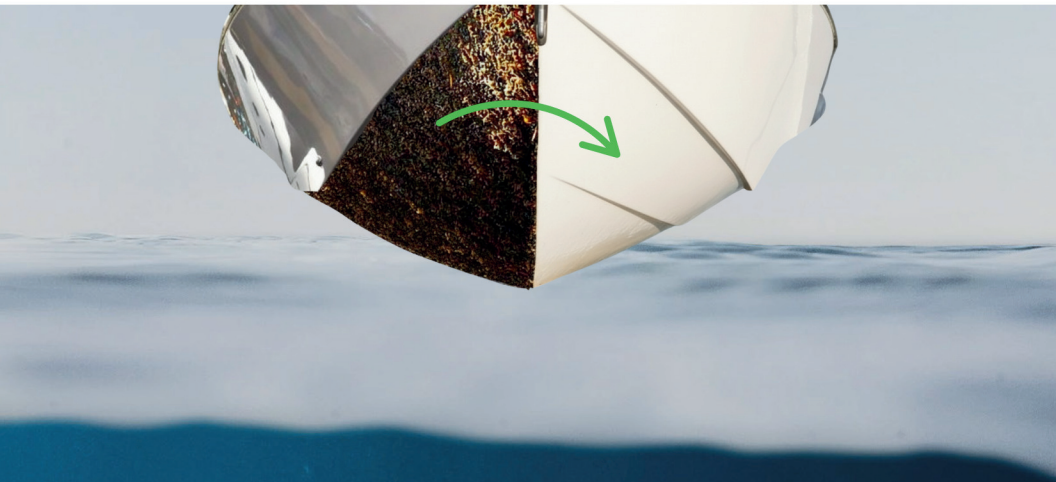


Divers use an abrasive process that removes paint from the hull.

Excessive paint wear by abrasive cleaning and power-washing reduces the lifespan of the bottom paint. This process leads to frequent haul outs and new applications of expensive bottom coatings.

Fouling begins accumulating on your hull as soon as the diver leaves. You lose fuel efficiency and performance with every passing day until the next cleaning.

Toxins in paint removed by divers is harmful to marine life. Certain countries and states have already started banning divers from cleaning boats.



## How Ultrasonic Anitfouling Works

BPS Marine's products work by emitting pulses of ultrasound waves. These micro-vibrations move across the surfaces of the vessel and work to physically repel organisms away. This continuous process prevents bio-fouling from attaching to the hull and protected surfaces.

With our antifouling systems, you won't need a full-time diver. Less diver cleaning and scraping results in your paint staying where it belongs, on your hull - not loose in our waterways damaging the ecosystem.

BPS Ultrasonic Antifouling systems protect your boat surfaces continuously - 365 days a year. Your vessel will operate at a higher level of performance and improved fuel efficiency year-round.




## Sound in Action

The process of ultrasonic antifouling uses short pulses of high-frequency sound (ultrasound). Each pulse of ultrasound creates a microscopic shockwave that runs across the hull and drive gear. These ultrasonic waves work to repel fouling which is contacting the hull and drive surfaces.

# For All Hull Types

Ultrasound will repel fouling on most hull materials, regardless of hull shape or geometry. As long as the hull material is dense, the sound waves will propagate throughout the surface. Whether you have a traditional mono-hull, a catamaran, or a sailing yacht, BPS has you covered.



## HULL TYPES

- **Mono-Hulls**
- **Catamarans**
- **Sailing / Keel**
- **Pontoon**
- **Barge**

## HULL MATERIALS

- **Fiberglass**
- **Aluminum**
- **Steel**
- **Carbon Fiber**
- **Kevlar**

Please Note: BPS systems will not work on vessels with wood hulls.



# EASY INSTALLATION

Installation of BPS systems is straight forward and can be accomplished in a single day with no technical skills. Transducers are simply attached with epoxy and connected to the digital controller. The controller is then connected to a 12v power supply - that's it.



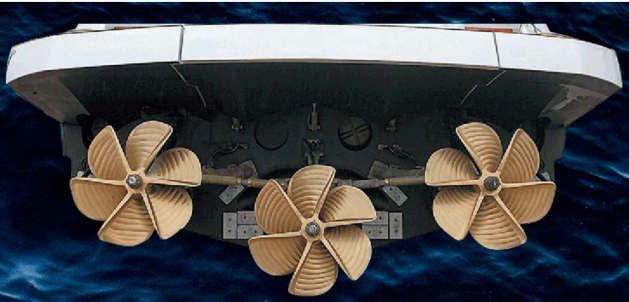





## Versatile Options

BPS transducers are waterproof and submersible. Transducers are most often attached in the bilge but can also be placed externally in scenarios where there is limited access to the bilge.





# DRIVES



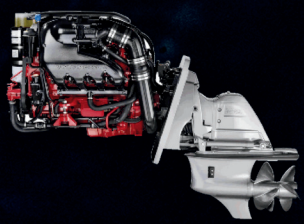
## STRAIGHT SHAFTS

One transducer per drive and one for the rudder. The drive transducer attaches the transmission motor mount.



## PODS

One transducer per drive. The transducer attaches to the hydraulic gearbox.



## STERN DRIVES

One transducer per drive. The transducer attaches to the inner-transom bracket.



## SAIL-DRIVES

One transducer per drive and one for the rudder. The drive transducer attaches the intermediate gearbox.

# GET PROTECTED

Whether you have shafts or pods, a keel or catamaran, fiberglass, steel or aluminum BPS has you covered.

## Inboards, Pods, Stern Drives, & Sail Drives

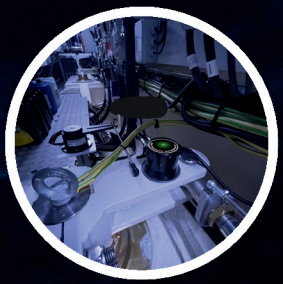


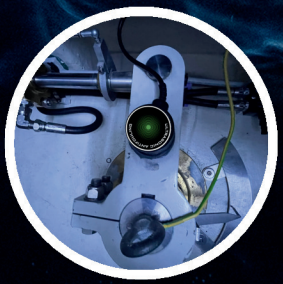






## Rudders & Stabilizers







**ECO POWER** Automatic detection and calibration for sustainable power sources like solar and wind.

**BATTERY PROTECTION** Smart monitoring will automatically power down when battery levels are critically low.

**INTELLIGENT OPERATION** 100% Automatic operation does the work for you, simply turn the system on and it will handle the rest.

**OCEAN SAFE** BPS systems are safe for the marine eco-system and can reduce your environmental impact.

**LIFETIME WARRANTY** Enjoy years of operation with a lifetime warranty that covers all of the parts of each system.

# FAQ & Answers

## Does it need to be on all the time?

Yes. The system must operate continually to repel organisms away from the surface.

## Will it remove existing fouling?

No. our systems function as a deterrent - it cannot retroactively remove existing fouling which has already cemented or rooted into the surface.

## Will I need to clean my hull after installing?

Much less frequently. Depending on the conditions, BPS can easily extend the time between cleaning to over 12 months. We still recommend checking your hull at least twice a year.

## Will it work with my existing boat batteries?

Yes. BPS systems are designed to integrate into your existing battery system - either directly to a 12V system, or through a DC/DC converter when used on vessels with only 24V battery systems.

## Will ultrasound damage my boat?

No. Ultrasound is perfectly safe for your boat and should not interfere with your sonar or depth finder reception.

## Does it require drilling holes in the hull?

Never. Transducers are attached directly to the surface, there are no through-holes.

## Will I need a shore power connection?

No. BPS systems are efficient low-power devices that will operate on battery systems connected to standard trickle chargers, maintainers, or even solar power.

## Will I still need bottom paint?

We always recommend our product for use with a bottom paint. Ultrasonic antifouling can greatly reduce the frequency of maintenance and cleaning of the hull. This extends the lifespan of the bottom paint because the hull is staying cleaner longer with less abrasive cleaning processes.

## What if my boat is in the water for installation?

No problem! Since BPS systems are installed in the hull, you can install our systems in the water. Since we cannot remove any existing growth, we recommend a clean hull to start, and two dive cleanings at least 30 days apart.

If you have questions or concerns, please contact us at sales@appextrade.com

www.appextrade.com

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