

WE ARE MORE THAN JUST ANTIFOULING
WE ADD 'PARTNER' TO YOUR SHIP.

NOXX

Environmental Antifouling

BE FREE FROM MARINE FOULING.

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NOXX LFP™ EMITTERS

SIZE: 6.3cm (D) x 7.8cm (H) - 2.2lbs

The Emitters are certified waterproof and each Emitter comes complete with 20ft of wire already sealed at the Emitter end.

Each Emitter can protect an area whose radius is up to 8.5 feet.

Why the Emitter body and the stem are not rigidly fastened together?

Connection between the stem and the body is via a plastic membrane. This allows the stem to impact the surface, creating vibration from the heavy body to the surface.

NOXX LFP™ PEDESTALS

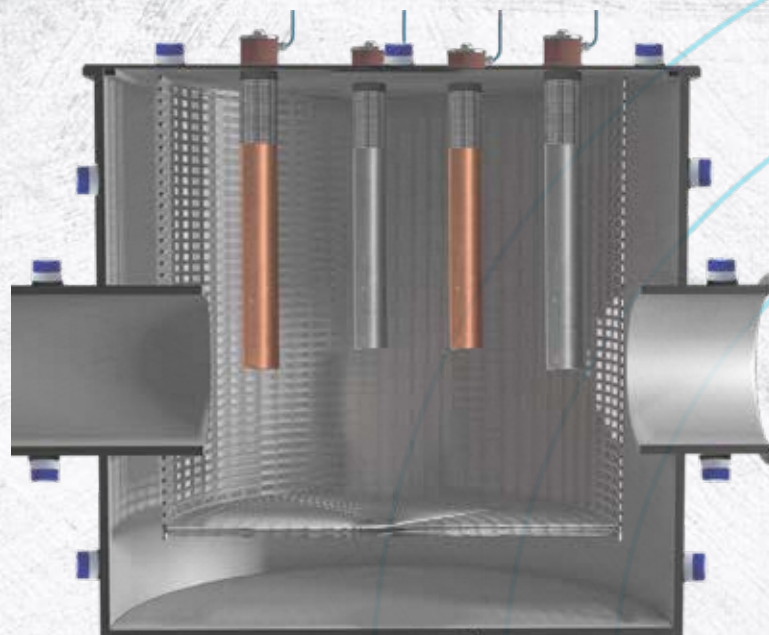
Emitters are fastened to the surface to be protected, via a pedestal made from the same material as the mounting surface of your boat.

There aren't any holes or drilling involved because it simply attaches to the surface it's protecting that will conduct the low frequency pulse.



NOXX LFP™ TYPICAL INSTALLS

- ✓ Seachests
- ✓ Crossovers
- ✓ Strainers
- ✓ MARELCO™ NOXX LFP™ HYBRID



NOXX LFP™ DIFFERENCES

UNIQUE PATENTED SCIENCE

The NOXX LFP™ system uses **a low frequency pulse** (no, it's not ultrasound) that creates the illusion of a predatory environment for Mussels, Barnacles and Pinworms etc., who then want to avoid your vessel completely.

There's no negative environmental impact on marine life from the NOXX LFP™ system.

- ✓ No drydock needed for install.
- ✓ 10+ years before requiring maintenance
- ✓ Installed on the inboard side of the vessel
- ✓ Only 0.1 Amps per emitter
- ✓ Works on any material: steel, wood, aluminium, fiberglass etc.

BEFORE NOXX™ INSTALLED

AFTER NOXX™ INSTALLED (3YR))

NOXX LFP™ CONTROLLER

- ✓ One card can run 10 Emitters
- ✓ Use of junction boxes to keep wiring safe & tidy
- ✓ 12V power source
- ✓ Can be installed while in service



NOXX LFP™ EVOLUTION



1974



2016



2017

**HYDROSONIC HULL TENDER™ WAS ACQUIRED
BY EMCS INDUSTRIES LTD. FEBRUARY 2016.**

RENAMED NOXX LFP™ [PATENT PENDING]

May 29, 2000

Captain Alan Mitchell, Marketing Director,
Mitchell Marketing,
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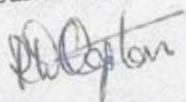
Re: Hydrosonic Hull Tender

Since the installation of the Hydrosonic Hull Tender on the Pacificat Explorer in December, 1999, checks by divers and ship's staff indicate no sign of growth of barnacles or mussels on the sea chests and sea water piping.

Prior to the Hydrosonic Hull Tender installation, the sea chests and piping had to be cleaned approximately every six to eight weeks, hence the Hydrosonic Hull Tender is saving time and the cost of cleaning the sea water systems.

The Hydrosonic Hull Tender system will be installed on the Pacificat Discovery later this year and will also be used on other vessels which have keel coolers and sea chest growth problems.

Yours truly,



R. D. Ogston,
Assistant Vice President,
Technical Operations

RDO:cr

cc: Director, Deas Dock
Engineering Superintendents

Elliott Bay International & Texas Department of
Transportation select the NOXX™ LFP
Antifouling System for their fleet of new ferries.



BRAVO 2500 Pollution Response Vessel

**ASL Marine Holdings Ltd purchases
Marelco NOXX™ LFP antifouling
solution for pollution response vessels.**

EMCS INDUSTRIES LTD.

OUR HISTORY

Did you know that our founders invented THE FIRST Marine Growth Protection System?

That's right! Over sixty two years ago, two Canadian men, Frank Chappel & Lauder Ramsay invented an innovative new product that would later become the international standard for Marine Growth Protection Systems (MGPS) –the Cathelco System.

While Frank and Lauder were already promoting their Cathelco product, Derek Knox invented his own MGPS in the 1970s. Boasting a product life of 10+ years, Derek's system was clever and incredibly environmentally-friendly. His system used a low-frequency pulse emitted into the water to discourage harmful marine life from attaching to the underside of boats.

In 2016, by pure chance, one of the EMCS representatives spoke with a prospective customer that used a low frequency antifouling system called the Hydrosonic Hull Tender. They were so impressed with the system performance, that it led CEO Trevor Tasker to explore an acquisition of Hull Tender International Inc. whose product it was. Like EMCS, the company was Canadian and based out of Vancouver BC.

The rest is history, the original inventor Derek Knox, and Tasker put together a deal that included EMCS owning full right to the product and working with Knox on designing significant improvements. The success of the Hydrosonic Hull Tender system (later renamed the NOXX™ LFP system, as a tribute to its founder) will now continue long into the future as more and more customers become aware of this highly eco friendly solution to marine fouling.

By combining the two EMCS products, MARELCO™ and NOXX™ LFP, EMCS now offers the MARELCO™ HYBRID option, a combination of the two technologies to fight against extreme fouling situations.

EMCS prides itself on being a marine industry manufacturing leader and on serving its world-class customers who rely on our MARELCO™ and NOXX LFP systems to keep their fleets fouling free.

#wegiveaship



NOXX

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