

The ClearLine™ System by ElectroSea Prevents Marine Growth in Raw-Water Pipes on New Boats and Retrofits

ClearLine by ElectroSea is solving an age-old problem for boaters. Before this patented technology became available, boat owners and captains routinely had to remove barnacles and marine growth from the boat's raw-water system to ensure their air-conditioning, chillers and hydraulics were running efficiently.

With the new ClearLine System, the days of descaling raw-water conduits with harsh acids are over forever. Pumps will run at peak flow rates and the crew will incur less downtime caused by high pressure, low flow alarms due to clogged pipes.

The ClearLine System includes two key components – the ClearLine Control Unit and the ClearCell. The Control Unit acts as the brain while the ClearCell is the heart and is plumbed into the raw-water lines. When seawater enters the ClearCell, it mixes with electrical current and a unique formula of earth metal oxides. This process generates a consistent, ultralow level of chlorine, similar to what you'd find in tap water.

The Control Unit monitors the vessel's raw-water demand and dynamically delivers the precise amount of chlorine to prevent barnacle growth. A secondary flow of chlorinated seawater runs back through the strainers to keep them clean longer. ClearLine provides a cost-effective way to permanently eradicate barnacles that is better for the vessel's equipment and marine environment than descaling with acid-based cleaners.



The ClearLine System includes two key components.

Great for most boats

ClearLine can be installed on new builds or existing boats to provide permanent protection from marine growth. Retrofitting a boat with the ClearLine System is an easy process. It begins with an ElectroSea field technician or certified dealer inspecting the boat's raw-water system to determine the best location to plumb in the ClearCell and mount the Control Unit.

"Every boat is a little different," said Cabe Regnerus, ElectroSea's senior field technician. "The first thing we'll do is determine the optimal location for the ClearCell. We want to maintain the original flow characteristics of the vessel and have ClearCell as close to the raw water pump as possible."

On a recent installation, a 90-foot custom Weaver sportfishing yacht, the vessel had nine air-conditioning units that all required a steady flow of seawater. "The forward stateroom was about 50 feet away from the seawater pump," Regnerus said. "Before we installed the ClearLine System, the entire length of hose both supplying the units forward as

well as discharging out the back of the boat would get backed up with barnacles." Since ClearLine was installed on the Weaver, the crew has not had any growth issues.

After plumbing the ClearCell into the raw-water system, the technician will mount the Control Unit and wire it into DC power.

ElectroSea offers four ClearLine models to fit a range of vessel sizes.

- The CL-410 model is designed for 3/8 to

1/2-inch pipe and up to 7 gpm (gallons per minute) and runs on 12 or 24 volts.

- The CL-430 is designed for 3/4 to 1-inch pipe, up to 26 gpm and runs on 12 or 24 volts. The CL-990 fits 1 1/4 to 1 1/2-inch pipe and up to 50 gpm.
- The CL-1000 also fits 1 1/4 to 1 1/2-inch pipe and up to 50 gpm and includes a dual pump control specifically for Viking Yachts and an inhibit feature that puts

the ClearLine in standby when running a reverse-osmosis water maker or live well.

- The CL-990 and 1000 models run on 24 volts.

The entire installation of the ClearLine System takes about a day and can be done with the boat in the water or out. Since becoming available in early 2019, ElectroSea has installed the ClearLine System on Viking Yachts, Paul Mann Custom Boats, Hargrave, Princess Yachts, Ocean Alexander, Spencer Yachts and more.

Please visit electrosea.com or call 888-384-8881 to set up your consultation with a company technician or dealer. METSTRADE Stand 07.536.

Stop battling barnacles. Win the war with CLEARLINE™.

As barnacles invade raw-water lines, they choke out the boat's AC, refrigeration and other systems that depend on this water for cooling. Frequent descaling with harsh, acid-based cleaners is expensive and leads to time off the water. With ElectroSea's new, patent-pending CLEARLINE System, the days of dealing with barnacles in your pipes are over. Forever!

ELECTROSEA™
EXPERTS IN MARINE GROWTH PREVENTION SYSTEMS™

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THE CLEARLINE SYSTEM



▲ CLEARLINE continuously generates a low level of chlorine in your raw water system, similar to what you'll find in tap water, but enough to keep barnacles at bay. The result: Your pumps will run at peak rates, your strainers will stay clean longer and you'll never have to deal with barnacles in your lines again.

U.S. and Foreign Patents Pending

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