



Cleantech Solutions.
Anywhere.

CATHELCO MARINE GROWTH PREVENTION Systems for seawater pipework



Benefits

- Eliminates blockages in seawater pipework caused by barnacles and mussels.
- Major savings in pipework maintenance costs throughout life of vessel.
- Based on electrolytic principle consisting of a control panel and copper and aluminium (or ferrous) anodes installed in seachests or strainers.
- Copper ions prevent barnacle and mussel larvae from settling in pipes.
- Aluminium or ferrous ions create an anti-corrosive layer on internal surfaces of pipes.
- Concentrations of copper ions are around 2 parts per billion – environmentally benign with no effect on wider marine environment.
- Complies with European Union biocidal product regulations (528/2012).
- Available for ships of all sizes from cruise and commercial vessels to luxury yachts.

The most widely used
system in the world



Cathelco
Part of Evac Group

MARINE GROWTH PREVENTION SYSTEMS



The problem of marine growth in pipework

Blockages in seawater engine cooling lines are expensive and time consuming to remove. There is also the risk that seawater valves and other important items of equipment are affected, jeopardising the operational capability and safety of the vessel. Even partial blockages can have serious consequences, making engines run at abnormally high temperatures which significantly increase fuel usage.



Anodes and control panels for all types of vessels

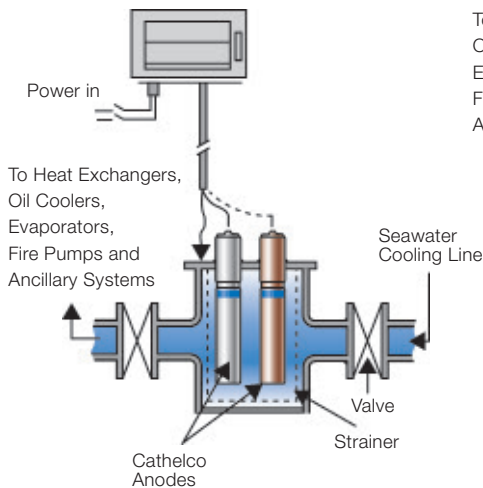
Cathelco have developed a range of control panels and anodes for all types of vessels ranging from cruise and commercial vessels to workboats and superyachts. These include anodes with integral cathodes which are suitable for smaller vessels and superyachts where they can be fitted in plastic strainers or even within pipe up-stands. In the case of cupro-nickel pipework, the aluminium anode is replaced with a ferrous anode to suppress corrosion.



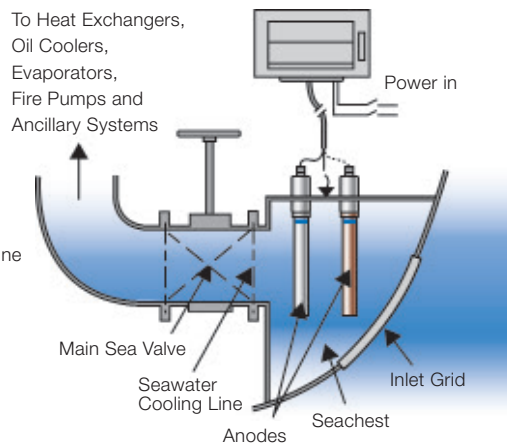
Systems to protect seawater lift pumps

Pump protection units are available for offshore platforms, semi-submersibles and jackup rigs. Mounted at the bottom of pumps, often inside the stilling tube or caisson, they consist of special copper and aluminium anodes housed within a steel framework and fed with an electrical current from a control panel. The mounting frame acts as a cathode, creating a completely self-contained unit which is electrically isolated from the pump.

Strainer mounted anodes



Seachest mounted anodes



Evac is the world's leading provider of integrated water and waste management systems, as well as corrosion-protection systems, for the marine, offshore, and building industries. Our cutting-edge solutions and services have been helping leading global players in these industries to significantly reduce their environmental footprint for 40 years. With offices in 14 countries across four continents and representatives in more than 70 countries, we pride ourselves on being close to our customers wherever in the world they are located.

* Solutions for building industry customers are sold by Evac

Representative: