



# COPRON ANTIFOULING SYSTEM



## Copron Antifouling System

Our COPRON MGPS system is designed to combat the harmful effects of macro fouling in seawater circuits. Using copper and aluminium/iron anodes (depending on material of pipes), COPRON offers complete protection against the growth of mussels, limpets etc. in the seawater lines. Galvanic corrosion can often occur as a result of the use of copper anodes. For this reason the Copron system installs one aluminium anode for each copper anode, to prevent such corrosive activities.

## How the system operates

Copron operates by dissolving copper and aluminium/iron ions into the seawater in the seachest. This action is created by the current generated by the electric panel and supplied to the anodes.

The copper ions combat macro fouling and the aluminium/iron ions act against corrosion. Only a small copper concentration (less than 2ppb) is required for the system to be effective.



**COPRON ELECTRIC PANEL**



**COPRON ANODES**

**Azienda Chimica Genovese**

Via Faliero Vezzani 18 - 16159 Genova Rivarolo - Italy

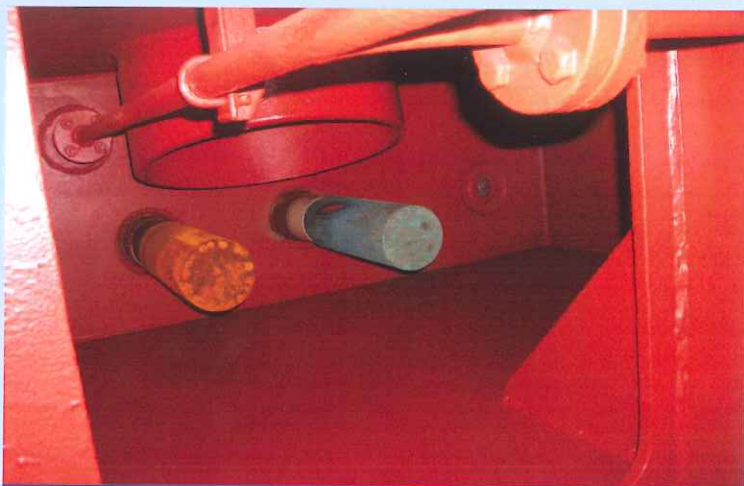
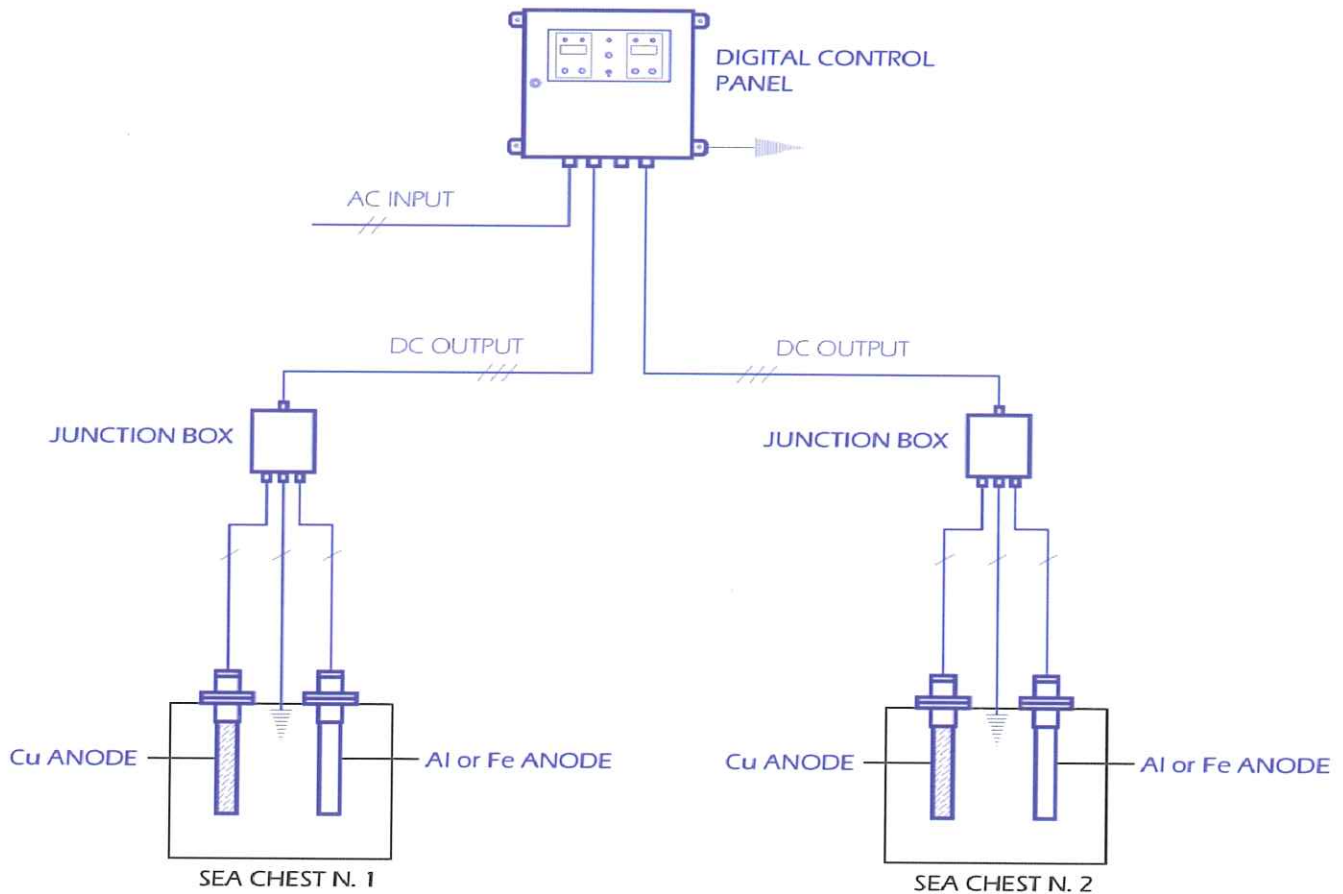
Tel. : + 39 010 461371 - Fax : +39 010 7401289 (Technical Office) +39 010 7401224 (Admin. Office)

[www.acgmarine.com](http://www.acgmarine.com) / [info@acgmarine.com](mailto:info@acgmarine.com)

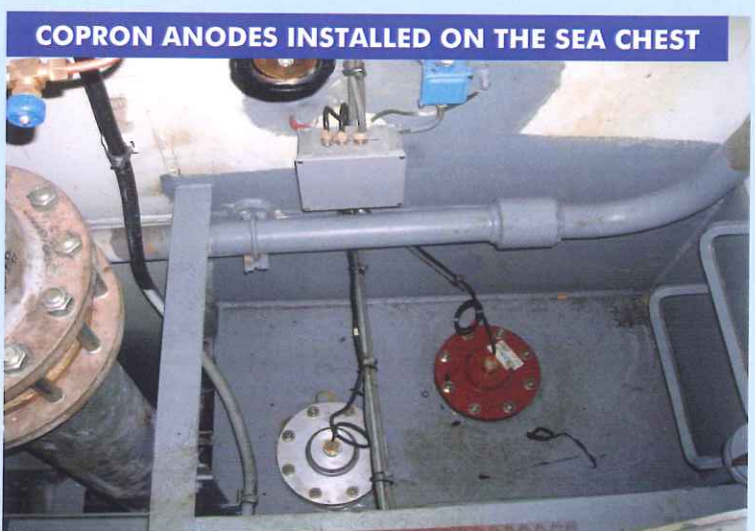


## The system consists of 3 parts :

- Electric cabinet (located in engine room),
- Copper anodes (located in seachests and filters),
- Aluminium/iron anodes (located in seachests and filters).



**COPRON ANODES INSIDE THE SEA CHEST**



**COPRON ANODES INSTALLED ON THE SEA CHEST**

**Azienda Chimica Genovese**

Via Faliero Vezzani 18 - 16159 Genova Rivarolo - Italy

Tel. : + 39 010 461371 - Fax : +39 010 7401289 (Technical Office) +39 010 7401224 (Admin. Office)

[www.acgmarine.com](http://www.acgmarine.com) / [info@acgmarine.com](mailto:info@acgmarine.com)