

4.5 Electrolytic cells

Subtitle-GIANGO-

What they are

Electrolytic cells are devices manufactured by Tecnoseal to produce chlorine for disinfecting and cleaning seawater circuits in order to prevent marine fouling.

The chlorine production technique exploits the high salt content inside seawater.

The function of the cell is therefore to break the chlorine-sodium bonds, present within seawater, by applying a voltage difference between an activated titanium plate and a ferrous cathode.

Their use is typical in commercial or passenger ships.

Tecnoseal's R&D department is developing very small systems for applications in Pleasure Yachts.

What they protect against

Electrolytic cells are used to prevent the formation of marine fouling within seawater circuits.

Their current design is developed for installation on commercial vessels.

While not having a cathodic protection function, they become highly necessary to keep seawater circuit pipelines clean.

The reader is referred to the information brochure for further details.

The way we manufacture them.

They are manufactured in-house by Tecnoseal; carpentry and LASER cutting and assembly departments successfully meet specific customer requirements very quickly.

Why you should choose Tecnoseal.

The choice of Tecnoseal's electrolytic cells offers very important advantages because the product is very well-maintained and should the customer request it, it is possible to supply the entire chlorination system already placed on appropriate panels.

The supply on panel has the major advantage of being plug&play.

After bulkheading the panel containing the cells, it will be necessary to make the connections to the seawater circuit and switch on the system again.