



ELECTROLYSIS BLOCKER

Marina Protection Systems' award winning Electrolysis Blocker is designed to address the corrosion problem that occurs when dissimilar vessel hulls and/or structured materials are electrically connected to a common ground.

When vessels are isolated from different electrical potentials, the electrical potential (emf.) is allowed to equalise, resulting in a mass decrease in the metal ion transfer rate (corrosion).

Note: Galvanic Isolators are now recommended in the latest AS/NZS standards.



Closeup on the effects of Electrolysis Corrosion. (Heavy pitting and metal loss.)



Part No. MPSEB100 – 67Amps

IT'S OFFICIAL WARNING of MARINA ELECTROLYSIS

When all the boats are added together, power can trip off, zinc's quickly disappear followed by drive legs & propellers. Boats using shore power create a daisy chain of electrolysis. Install an electrolysis blocker to stop these marina problems.

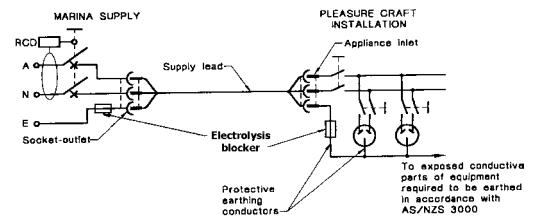
Marina and pleasure boat electrical std AS/NZS 3004:2002, www.marinaprotection.com.au

Effective isolation performance of the electrolysis blocker, results using Ag/AgCl reference in VDC on an oscilloscope. The blocker exceeds the protective ranges of all types of vessels in salt water. This ensures isolation with excellent performance that is noticeable. The side effect of a prolonged life of submerged timber, metal & concrete fixtures is less degradation, less maintenance costs to the marinas & boat owner. Also improves the environmental profile of the marina.

The MPS – Electrolysis Blocker can be Boat or Shore Supply mounted – requires installation by a suitably qualified marine electrician.

Instructions & Installation Diagrams included.

The location of the 67amp Electrolysis Blocker (galvanic isolator) indicated by Australian Marine Electrical Standard for Marinas & Pleasure Craft 3004/2002 is a must. The electrolysis blocker maybe installed in either power supply by the marina or on the vessel. For maximum protection every vessel must be isolated.



PO Box 33, CLEVELAND QLD 4163
Phone: 07 3821 3333 Fax: 07 3821 3977
Email: office@baintech.com.au Website: www.baintech.com.au