SHIP POLLUTION PREVENTION

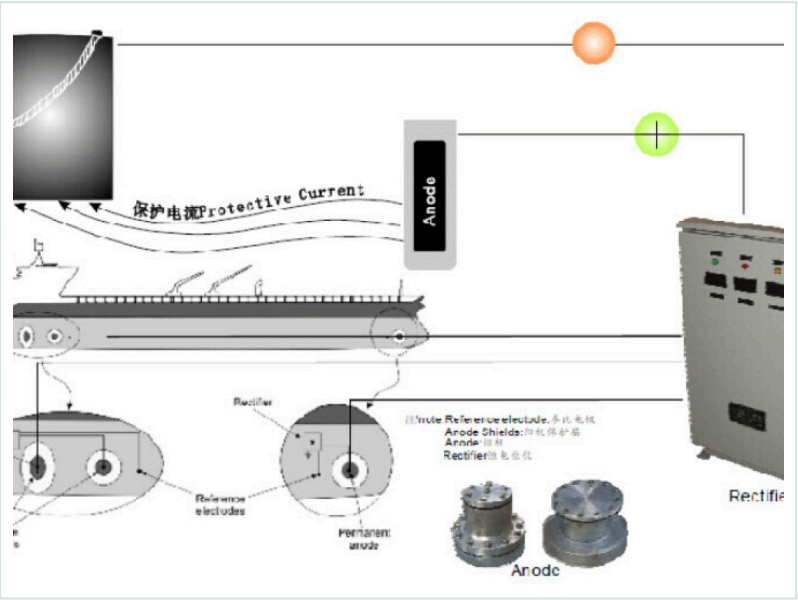
Impressed Current Cathodic Protection System

ISO9001 Supplier

Class Certificate

Export Supply

Principle: Immerse the hull in sea water will cause corrosion.ICCP will protect metal’s material hull from corrosion with applying protective current on it. The more the current is,the more the electrons will be...



Key Highlights

Category	Ship Pollution Prevention
Standard	DIN
Material	Immerse the hull in sea water will cause corrosion.ICCP will protect met...
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications

Category	Ship Pollution Prevention	**Model / SKU**	Impressed-Current-Cathodic-Protection-System
Standard	DIN	**Material**	Immerse the hull in sea water will cause corrosion.ICCP will protect metal’s material hull from corrosion with applying protective current on it.
Surface	epoxy coating	**Certificate**	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS
Warranty	12 Months unless specified otherwise	**Origin**	China

CONTENTS

- Principle:
- Features:
- Technology parameters:
- Process:
- Advantages:

Principle:

Immerse the hull in sea water will cause corrosion.ICCP will protect metal’s material hull from corrosion with applying protective current on it. The more the current is,the more the electrons will be accumulated on cathode’s surface.When the potential is negative to a certain value,the metal surface will be equiqotential,and then the hull will be protected from corrosion.

Process:

A whole ICCP system consists of electric cabinet,auxiliary anode,conference cell,dielectric shield,rudder and propeller stock grounding.ICCP protect the hull with direct current through auxiliary anode installed on it.

Features:

Large scale of protection,it can cover the hull fully under the sea water.

Measurement the hull electric potential constantly,and adjust the released current to reach the best protection effect.

The system have high stability and long working life.

Advantages:

Use silicon-controlled rectifier with integrated circuit module,improve the stability and reliability of equipments.

Use titanium as auxiliary anode,can release high current with low consumption,long work life.

Dielectric shield is epoxy coating,it has the best electrical resistance,strong adhesion,good insulation,and release the protective current to the farther hull averagely.

Technology parameters:

Input power:3 phase AC380V-44V/50-60HZ

Output power:0-24V/0-300A