



ALWAYS AHEAD

ABOUT US



Founded in 2020 by Senior Executives with a combined experience of over 100 years, specifically in marine growth prevention and impressed current cathodic protection systems for marine, offshore and military markets.

Through this industry knowledge and experience, **NextCorr** have designed and developed its own range of MGPS and ICCP Systems to meet the specific demands of our customers. **NextCorr** are also able to offer a first class competitive service for all other major suppliers of MGPS and ICCP spare parts around the world.





WORLD LEADING PROTECTION TECHNOLOGIES

From design, manufacture, supply, technical support and service, NextCorr offers THE complete world leading solutions for active cathodic protection and marine growth prevention.

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IMPRESSED CURRENT CATHODIC PROTECTION ICCP-SYSTEM

NextCorr's impressed current cathodic protection system (ICCP) provides active corrosion suppression, reducing maintenance and fuel costs (less drag) to the hull of ships of any size and type. Through NextCorr's world leading ICCP technology combined with our detailed knowledge and understanding of corrosion and its consequences, NextCorr are able to offer the most efficient and effective solutions.



ICCP CONTROL PANEL

Impressed Current Cathodic Protection (ICCP) systems consist of one or more reference electrodes and several ICCP anodes which are all connected to a power unit. The reference cells measure the underwater electrical protection potential and based on this data, the power unit automatically regulates the required output to the anodes.

TECHNICAL DESCRIPTION

POWER SUPPLY

380/400/440V 3 PH 50/60Hz

ANODES CIRCUITS

2 Anodes, 4 Anodes

CURRENT OUTPUT

100-1000 Amp, in 100 Amp steps

FINISH

RAL 7035 (other on request)

PROTECTION CLASS

IP44

VARIOUS

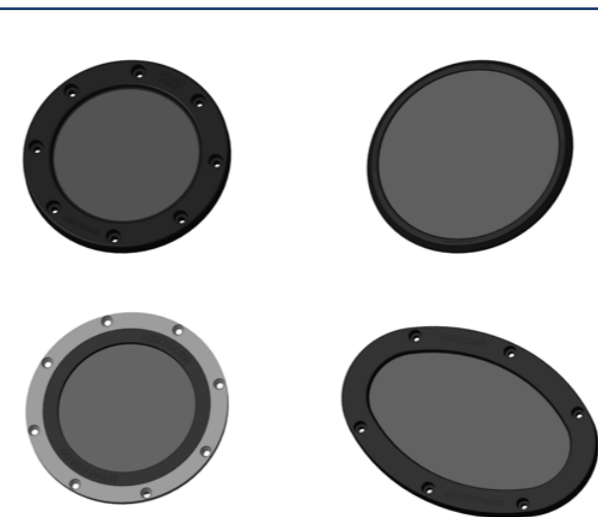
Touchscreen

Datalogger

USB Connection

RS 485 Data Bus

Alarm contact



RECESSED MOUNTED ICCP ANODE

ICCP anodes are connected to an external power source. This provides the current that leads to the electrochemical reaction required for cathodic protection to take place. The size and shape of ICCP anodes depends on the surface that they are utilized to protect, from large vessels to submerged metal structures.

TECHNICAL DESCRIPTION

AVAILABLE TYPES

Small Elliptical

Large Elliptical

Circular

Diver Changeable

CURRENT OUTPUT

25 A - 225 A



SURFACE MOUNTED ICCP ANODE

For high current demand requirements (usually at the aft of larger vessels), NextCorr offers a variety of high output, small footprint surface mounted anodes.

TECHNICAL DESCRIPTION

AVAILABLE TYPES

Small Linear Loop
Medium Linear Loop
Large Linear Loop

CURRENT OUTPUT

100 A - 300 A

AVAILABLE TYPES

Small Stripe
Medium Stripe
Large Stripe



REFERENCE CELL

The reference cells measure the underwater electrical protection potential and based on this data, the power unit regulates the required output to the anodes.

TECHNICAL DESCRIPTION

AVAILABLE TYPES

Zinc Reference Electrode
Silver/Silver-Chloride Reference Electrode





SHAFT EARTHING SYSTEM

The propeller shaft earthing system aids in mitigating pitting corrosion on the propeller, sliding surfaces of the crankshaft journals and spark corrosion on the main bearings. The propeller earthing system – a copper slipring with a high grade silver track connected to high density silver brushes – ensures an efficient electrical potential decomposition to help protect costly components from corrosion. Standardised parts and a high prefabrication grade makes the installation on board by the technical crew easy and without the need for special tools.



SLIPRING

The NextCorr shaft earthing system comprises of a high quality copper slipring with a high grade/high electrical conductivity silver track inlay. For ease of installation, the slipring is supplied in two preformed half shells and two banding clamps.

TECHNICAL DESCRIPTION

SLIPRING
AVAILABLE TYPES
 from 70-949 mm diameter



BRUSH HOLDER & SILVER GRAPHITE BRUSH

Our high quality silver graphite brushes reduce the resistance between slipring (shaft) and vessels hull. The single- and double brush holders are sturdily designed and vibration-resistant.

TECHNICAL DESCRIPTION

SHAFT BRUSH HOLDER
AVAILABLES TYPES
 Shaft Brush Holder Single
 Shaft Brush Houlder Double

DESCRIPTION
Conductor flexible
 Diameter 5 mm, 65 mm +/- long tinned copper

BRUSHES
AVAILABLES TYPES
 Silver Graphite Brush Small AG 80
 Silver Graphite Brush Large AG80





MILLIVOLT METER

For monitoring/display of the shaft earthing system an mV Meter may be installed to check the performance of the grounding system.

TECHNICAL DESCRIPTION

AVAILABLE TYPES

Shaft Earthing Meter H/L Scale Single Shaft

Shaft Earthing Meter H/L Scale Double Shaft

Shaft Earthing Meter H/L Scale Single Shaft Flat Bar adapter
Fixing

Shaft Earthing Meter H/L Scale Double Shaft Flat Bar adapter
Fixing

AVAILABLE TYPES

Values

200 mm x 200 mm x 120 mm

Material

Steel 1,25 mm

Finish

RAL 7035 (other on request)

Weight

3,0 kg

Cable Gland for cable diameter 6-13 mm



EARTH BONDING CABLE

Our grounding cables are of extremely high quality for a long life in the most difficult conditions.

TECHNICAL DESCRIPTION

AVAILABLE TYPES

Earth Bonding Cable

DESCRIPTION

Design

ES 50525-3-41 resp. VDE 0285-525-3-41

Cross section

25mm², 35mm², 50mm², 70mm²,...

Conductor

fine wire strands of non-porous tinned copper

Min. bending radius

occasionally flexing: 6 x outer diameter (60,6mm)

Fixed installation: 4 x outer diameter (40,4mm)

Temperature range

Occasionally flexing: -35°C up to 10°C

Fixed installation: -55°C up to +125°C

Flammability

Flame retardent acc. to IEC 60332-1-2

Halogen free

acc. to IEC 60754-1, EN 60754-1

Corrosivity of gases

acc. to IEC 60754-2, EN 60754-2

Smoke density

acc. to IEC 61034-2

UV resisitance

acc. to EN ISO 4892-2-2013, method A

(change of colour allowed)

Oil resistance

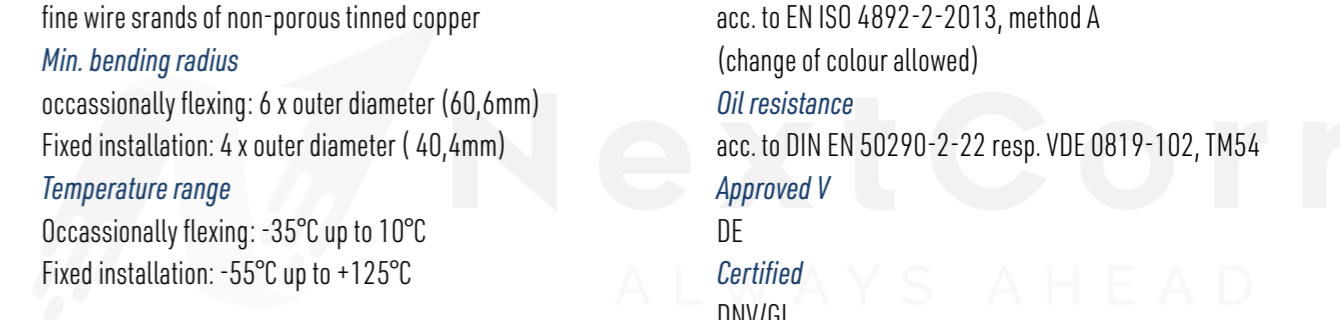
acc. to DIN EN 50290-2-22 resp. VDE 0819-102, TM54

Approved V

DE

Certified

DNV/GL





MARINE GROWTH PREVENTION FOR SEA WATER PIPEWORK

Marine growth prevention for sea water pipework is easy and economical to install. NextCorr MGPS/ANTI-FOULING/ICAF systems have been installed by our owners and partners on more than 50,000 ships worldwide. Designed to eliminate blockages in seawater cooling lines caused by macro fouling for vessels of every size and type, the systems are available for vessels of every size and type including specific systems for luxury yachts.

NextCorr systems are dual action in operation, removing biofouling and mitigating corrosion. A special grade of copper anode is installed to neutralise existing fouling and create an environment where fouling spores do not settle. Where steel piping is used, aluminium anodes are installed to suppress corrosion rates. Where cupronickel piping is used, ferrous anodes are installed, extending the life of the sea water piping system and ancillary equipment connected to it. Anodes can be mounted in either the sea chests or strainers.



MGPS CONTROL PANEL

NextCorr's MGPS/ICAF system incorporates copper anodes connected to a compact and user friendly control unit. A current is impressed on to the copper anodes which releases a small amount of copper ions into the flow of water through the vessel's sea chests and seawater piping system. This creates an environment which prevents the settlement and development of macro fouling. Depending on the material of the pipework system, aluminium or ferrous anodes are also installed. These ions not only prolong the half life of the copper ions but also aid in the mitigation of corrosion (particularly erosion corrosion) within the vessel's pipework system.

TECHNICAL DESCRIPTION

POWER SUPPLY

110-220 V AC

ANODES CIRCUITS

up to 16 ways

FINISH

RAL 7035 (other on request)

ANODE CURRENT

2 Amp, 4 Amp, 6 Amp

PROTECTION CLASS

IP44



MGPS/ICAF ANODE

NextCorr design and manufacture a variety of anti-fouling anodes able to be installed in sea chests, strainers or box coolers. Differing designs on dimensions and mounting arrangements are available to meet customer's specific requirements.

TECHNICAL DESCRIPTION

AVAILABLE TYPES

CU - Copper Prevents forms of fouling from settling
FE - Iron Corrosion Suppression for cupro-nickel pipework
AL - Aluminium Inhibit corrosion in steel pipework

AVAILABLE SIZES

Standard Diameters 40mm, 50mm, 82,5mm, 90mm, 100mm, 120mm, 140mm, 160mm

STANDARD LENGTHS

100mm - 950mm

MOOUNTING OPTIONS

Sea Chest Mounted

Weld-In-Sleeves, Flange Sleeves
(various flange dimensions available)

Strainer Mounted

Weld-In-Sleeves, Flange Sleeves, Nylon Sleeves

Electrolysis Tanks

Weld-In-Sleeves, Flange Sleeves, Nylon Sleeves

Pipe Installation

Flange Sleeves, Pipe-Upstand-Sleeves



99% pure Copper/Aluminium/Iron, chemical analysis certificate at your disposal



TECHNICAL SERVICE

OUR PHILOSOPHY STRIVING FOR EXCELLENCE. ALWAYS AHEAD

THE FUTURE IS BRIGHT. OWNERS THAT UNDERSTANDS NEEDS AND REQUIREMENTS OF THE MARKETPLACE WITH PARTNERS OF MANY YEARS EXPERIENCE AND CUSTOMER TRUST IN THEIR RESPECTIVE COUNTRIES.



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