



MarineTM
PREVENT BIOFOULING

electrochemical

MARINE GROWTH PREVENTION SYSTEM



Marine Growth Prevention System

Biofouling in sea water lines are a perennial problem caused due to the barnacles, mussels and other forms of marine life in the sea water. For marine & offshore world such as Offshore platforms, FPSO, Naval vessels, Cruise ship, cargo ships, Oil rigs etc seawater is the only source for cooling and fire water.

In such sensitive applications biofouling or the marine growth in the seawater line is a huge concern as it restricts cooling water flow in piping systems thus affecting the heat-transfer in the heat exchangers and condensers (clogging).

RT Marine™ Series of Marine growth Prevention System (MGPS) when fitted, generates various oxidants and radicals by sea water electrolysis including sodium hypochlorite onsite which in turn can be used to disinfect sea water thus preventing marine growth.

RT Marine™ MGPS incorporates the state of art bipolar Cloromarin® disc electrolyzer or Hypo® concentric tubular electrolyzer for generating free radicals. The electrolyzer design incorporates free removal of hydrogen and also prevents scaling due to its ingenious design. These self cleaning design ensures near maintenance free operation without any acid cleaning, ensuring the system to perform consistently for years together.



Marine™-S
MGPS for Floating Vessels

+91 95512 88545
sales@noblechlor.com

MODEL	Cl ₂ as NaOCl Production Capacity (Kg/day)	Quantity of Seawater to be treated @ 0.5ppm (m ³ /h)	Quantity of Seawater to be treated @ 1ppm (m ³ /h)	Max seawater Flowrate (m ³ /h)
RT MARINE S150	3.6	300	150	5.6
RT MARINE S250	6.0	500	250	5.6
RT MARINE S400	10.0	800	400	5.6
RT MARINE S500	12.0	1000	500	5.6
RT MARINE S750	18.0	1500	750	5.6
RT MARINE S1K	24.0	2000	1000	5.6
RT MARINE S2K	48.0	4000	2000	5.6
RT MARINE S3K	72.0	6000	3000	5.6
RT MARINE S4K	96.0	8000	4000	5.6
RT MARINE S5K	120.0	10000	5000	5.6
RT MARINE S6K	144.0	12000	6000	5.6

* Systems designed for shipboard applications for both new builds and retrofits.

* Systems can be supplied as a skid mount or containerized, fully integrated package or as loose components.



- **Improved Heatexchanger Efficiency**
- **Prevent Biofouling in Seawater Pipelines**
- **Avoid Break Downs and Down Time**
- **Save On Recurring Maintenance Cost**



Benefits

- Complete protection against bio fouling
- Consistent disinfection
- Easy to install, operate and service
- Instant operation
- Self cleaning Electrolyzer design
- Modular construction
- Eliminates hazardous material storage
- Corrosion proof design

Applications

FPSO, FSO
Navy Vessels & Cruise Ships,
Barges and other vessels

Contact

Noble Eco Systems Pvt. Ltd.
1/89, 1st Main Road, Indira Nagar,
Vengaiwasal. Chennai 73. **INDIA.**

Ph : +91 44 22781951 /1952
sales@noblechlor.com

RT Solutions Pte Ltd

No.237 Pandan loop,
#04-07 Westech Building,
Singapore 128424.

Ph : +65 67785598
sales@rtsolutions.com.sg



Dealers / Agents

