



RT MARINE. Marine Growth Prevention System.

Titanium Tantalum Products Limited - TiTaN was established in 1981 and encompasses a wealth of expertise and resources. With more than 300 staff **TiTaN** manufactures over 125 products complying fully to International standards. **TiTaN** is a certified **ISO 9001:2000** engineering company **possessing ASME U, U2 & R stamps** specialising in the design, engineering, manufacture & supply of exotic metal equipments & parts. **TiTaN** supplies internationally across a broad range of Industrial sectors.

The System:

The RT marine system generates sodium hypochlorite, the most effective oxidizing biocide to prevent marine growth. The system comprises monopolar - **Cloromarine**- or bipolar concentric tubular - **Hypopac** - electrolyzers, utilizing the sodium chloride present in seawater. The seawater passes between anodes and cathodes energized by a direct current resulting in the generation of sodium hypochlorite through electrolysis. The design of the electrolyzers allow for the free removal of hydrogen and also prevents scaling due to the high velocity of the water. The self cleaning design does not require the necessity of acid cleaning or other electrode cleaning methods. The system is designed to operate consistently at design output capacity.

System Types and Capacity Ranges:

Our standard system is the **RT Marine-S**. This system is designed for shipboard applications for both new builds and retrofits. The system can be supplied as a skid mount or containerized, fully integrated package or as loose components.

Our hazardous area system is the **RT Marine-H**. This system is typically used for offshore hazardous area. The system can be incorporated into automated chlorinator packages, single cell marine standard units or offshore hazardous area packages & modular large capacity units

The following table gives the models and there treatment capabilities:

RT Marine- S Marine Growth Prevention System for Floating Vessels.

Model	Cl ₂ Production capacity (Kg/day)	Quantity of Seawater treated at 1 ppm (cbm/hr)	Max Seawater flowrate (cbm/hr)
RT Marine S150	3.6	300	5.6
RT Marine S250	6.0	500	5.6
RT Marine S400	10.0	800	5.6
RT Marine S500	12.0	1000	5.6
RT Marine S750	18.0	1500	5.6
RT Marine S1K	24.0	2000	5.6
RT Marine S2K	48.0	4000	5.6
RT Marine S3K	72.0	6000	5.6
RT Marine S4K	96.0	8000	5.6
RT Marine S5K	120.0	10000	5.6
RT Marine S6K	144.0	12000	5.6

RT Marine- S Marine Growth Prevention System for Hazardous Environment.

Model	Cl ₂ Production capacity (Kg/day)	Quantity of Seawater treated at 1 ppm (cbm/hr)	Max Seawater flowrate (cbm/hr)
RT Marine H150	3.6	150	5.6
RT Marine H250	6.0	250	5.6
RT Marine H400	9.6	400	5.6
RT Marine H500	12.0	500	5.6
RT Marine H750	18.0	750	5.6
RT Marine H1K	24.0	1000	5.6
RT Marine H2K	48.0	2000	5.6
RT Marine H3K	72.0	3000	5.6
RT Marine H4K	96.0	4000	5.6
RT Marine H5K	120.0	5000	5.6
RT Marine H6K	144.0	6000	11.2
RT Marine H8K	192.0	8000	11.2
RT Marine H10K	240.0	10000	11.2
RT Marine H12K	288.0	12000	11.2
RT Marine H15K	360.0	15000	11.2
RT Marine H18K	432.0	18000	11.2
RT Marine H20K	480.0	20000	11.2

Titanium Tantalum Products

86/1 Vengaivasal Main Road
Gowriwakkam Chennai,
India.
[www . titanindia . com](http://www.titanindia.com)

ravian GB Ltd

3000 Hills Wood Drive
Chertsey KT16 0RS
United Kingdom
T ++ 44 207 000 1949 F ++ 44 207 000 1953
[www . ravian-gb . co . uk](http://www.ravian-gb.co.uk)