



ISO 9001 - 2008

# Titanium Tantalum Products Limited

ELECTROCHLORINATORS

SINCE 1981



www.titanindia.com

TiTaN with its two decades of experience in manufacturing Electrolyzers for various electrochemical Industry, offers a comprehensive series of Electrolyzers for electro-chlorination Industry.

TiTaN' s Electrolyzer designs have been evolved based on its past experience & requirements under the able leadership & guidance of our chairman Dr. R. Thangappan a world renowned Electrochemist and a scientist turned successful entrepreneur .

TiTaN' s electrolyzer range addresses most of the compelling requirements specific to each application and industry.



Dr. R. Thangappan  
B.Sc., Tech (Chem. Engg)  
MIE, MIIChe, FSAEST  
Chairman

## KLOROGEN<sup>®</sup>

### Application

Parallel electrode cell assembly has been designed to meet the ever growing needs of Synthetic Brine chlorination demands



### Range / Capacity

15 gm / hr - 5.0 Kg/hr

### Salient Features

- KLOROGEN Electrolyzers are designed for horizontal assembly -
- The Electrolyzer body is available in CPVC / PVC with GRV -
- The Design incorporates easy hydrogen release from cells -
- Uses TiTaN's ATMA Electrodes -

## KLOROGEN-S<sup>®</sup>

### Application

Parallel electrode cell assembly adopted in this design is ideal for low capital cost, large capacities in utilities, coastal process plants using sea water for hypochlorite generation.



### Range / Capacity

0.5 Kg / hr - 500 Kg/hr

### Salient Features

- KLOROGEN-S electrolyzers are offered in horizontal and Vertical Mounting -
- The cell body is economically designed using CPVC and GRV construction -
- The design incorporates Bi-polar construction with modules Connected electrically and hydraulically in series -

# Cloromarine®



## Application

Disc Electrode Cell assembly in **Cloromarine** has been designed for Ingress Protection (IP) rating of 65 suitable for harsh environments in offshore & marine applications.

### Range / Capacity

0.25 Kg / hr - 5.0 Kg/hr

## Salient Features

- Versatile electrochlorinator cell for marine applications -
- Cloromarine** is designed to operate at 145 psi(10 bar) -
- Available with both ATMA™ & EPMA™ options for electrodes -

# Cleanilec®



## Application

Designed and developed for electrolytic type sewage treatment for marine and offshore applications.

### Range / Capacity

0.5 Kg / hr - 10 Kg/hr

## Salient Features

- Monopolar design is adapted in the electrolyzers -
- Cleanilec** Electrolyzer are of light weight construction -
- These cells can operate on both black and gray water -
- Available with both ATMA™ & EPMA™ options for electrodes -

# Hypopac®



## Application

Concentric pipe / tubular electrode concept is proven to be most suitable for producing Hypochlorite from Sea Water for diverse applications.

### Range / Capacity

0.25 Kg / hr - 50 Kg/hr

## Salient Features

- Concentric tubular electrolyzer design needs no back flushing -
- Hypopac** is designed to operate at turbulent high velocity. -
- Designed for suitability in both classified & unclassified area -
- Available with both ATMA™ & EPMA™ options for electrodes -

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**Dealers / Agents**

