







ISO 9001 - 2008

Titanium Tantalum Products Limited

E L E C T R O C H L O R I N A T O R S

SINCE 1981





TiTaN with its two decades of experience in manufacturing Electrolyzers for various electrochemical Industry, offers a comprehensive series of Electrolyzers for electrochlorinatioin 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 renounced 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

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

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 -





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 -

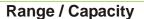
Cleanilec®



Application



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



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 -



Application



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

Range / Capacity

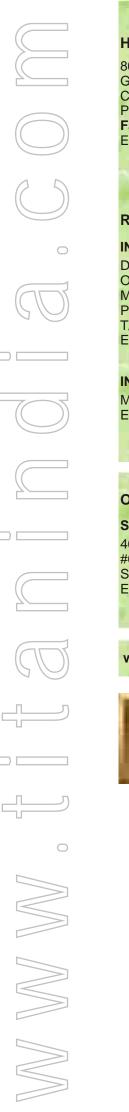
0.25 Kg / hr - 50 Kg/hr

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