

Description

Aventura has taken a lead to offer comprehensive water disinfection solutions. In its endeavour to attain a leadership position in the water disinfection segment it has joined hands with De Nora, a world leader in water electrochlorination technology to offer its new range of electrochlorination systems that produces chlorine at significantly lower costs than traditional chlorination products. The hypochlorite produced is below the threshold for hazardous chemical classification, therefore offers complete safety for operator and the population around the installation.

Design Features

- ▶ Most experienced player in the field
- ▶ Safest chlorination technology
- ▶ Economical method of chlorination over sodium hypochlorite and bleaching powder
- ▶ Lowest power consumption / kg of Cl²
- ▶ Lowest salt consumption / kg of Cl²
- ▶ Grade-1 Titanium Electrodes with MMO coating
- ▶ Rectifier with high voltage, current and temperature protection
- ▶ Safe, clean and hassle free chlorination
- ▶ Robust equipment provides unrivalled reliability
- ▶ Corrosion resistant material
- ▶ No storing or handling hazardous material

Process

Electrochlorination is a process where common salt (sodium chloride) is converted to low strength sodium hypochlorite by electrolysis.

Batch Model

Batch models are designed to generate hypochlorite in a batch of 8 hours for a wide range of application in a safe, low cost reliable and comprehensive package. They are suitable for applications where low capacity of water needs to be disinfected. These systems are suitable for Panchayati Raj, Rural Water Supply scheme, small swimming pools and hospitals.

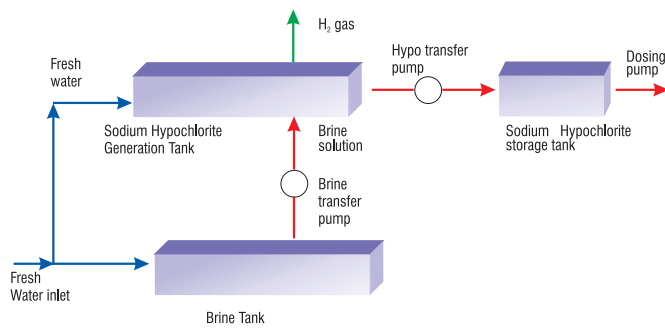
Continuous Model

Continuous models are designed for chlorination of water required for higher volumes. These models are suitable for urban and semi urban water supply schemes, waste water application, industrial processes, large swimming pools, Railways and defence establishments.

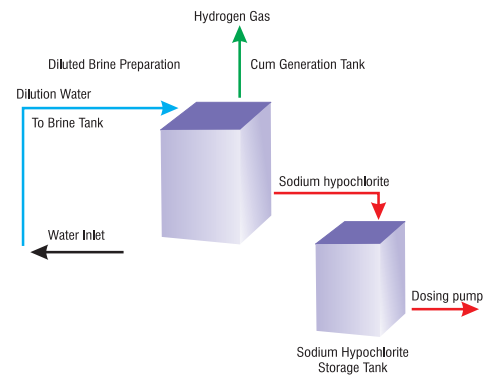


ISO:9001 CE

CONTINUOUS PROCESS HYPOCHLORITE GENERATION



BATCH PROCESS HYPOCHLORITE GENERATION



Application

- ▶ Disinfection of potable water & wastewater
- ▶ Control of biological growth in cooling water circuits
- ▶ Swimming pools
- ▶ Industrial Processes – ETP/STP

Product Range

MODEL		TYPE	CHLORINE GENERATION CAPACITY
Aventura De Nora	25	Batch	Suitable to generate 200 gms of free (active) Chlorine in a batch of 8 hours i.e. 0.60 kg of chlorine in 24 hours
Aventura De Nora	50	Batch	Suitable to generate 400 gms of free (active) Chlorine in a batch of 8 hours i.e. 1.2 kg of chlorine in 24 hours
Aventura De Nora	100	Batch	Suitable to generate 800 gms of free (active) Chlorine in a batch of 8 hours i.e. 2.4 kg of chlorine in 24 hours
Aventura De Nora	300	Batch	Suitable to generate 2400 gms of free (active) Chlorine in a batch of 8 hours i.e. 7.2 kg of chlorine in 24 hours
Aventura De Nora	500	Continuous	Suitable to generate 500 gms of free (active) Chlorine every hour i.e. 12 kg of chlorine in 24 hours
Aventura De Nora	1000	Continuous	Suitable to generate 1000 gms of free (active) Chlorine every hour i.e. 24 kg of chlorine in 24 hours
Aventura De Nora	2000	Continuous	Suitable to generate 2000 gms of free (active) Chlorine every hour i.e. 48 kg of chlorine in 24 hours
Aventura De Nora	3000	Continuous	Suitable to generate 3000 gms of free (active) Chlorine every hour i.e. 72 kg of chlorine in 24 hours

Models also available in higher capacities

AVENTURA COMPONENTS PVT. LTD.



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