Product information

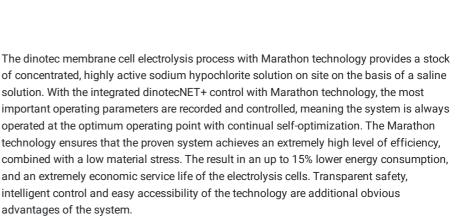
Electrolysis systems

Membrane cell electrolysis system without brine return, with Marathon technology in compact design for producing a low chloride, highly active fresh disinfection solution based on hypochlorite.

Membrane cell electrolysis system MZE 2000 OS as frame structure with switch and control cabinet

Art. no.: 0547-200-00

Short description



Description

Including all system components in a free standing and self-supporting frame bearing structure made of high-quality stainless steel. Use of chemically resistant and process-compatible materials such as titanium, PVDF, PVC-C and PVC-U. Due to the specially developed control and optimization system, the clear text display for all operating conditions and control states allows the query and remote control of all important parameters! In addition, the system features a BUS interface and a special protocol routine for further electronic archiving (e.g. event logs).





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Connected power:	15 kVA, 3 x 400V/50Hz
Fresh water consumption:	approx. 195 l/h,
Fresh water supply pressure:	mind. 3 bar, max. 8 bar
Fresh water temperature:	8°C to 15°C
Process technology	
Production output:	approx. 2.0 kg active chlorine/h, max 48 kg/day (depending on local operating conditions)
Product concentration:	approx. 3% - corresponds to water hazard class 1
Energy demand:	approx. 3.6 kg/1 kg chlorine
Salt demand:	approx. 2.3 kg/1 kg chlorine
Hydrogen pipe:	min. d110 x 5.3 – continuously rising
Mounting frame:	high-alloy stainless steel 1.4301 with additional special passivation of profile surface, free-standing and self-supporting
Length of pipe to product tank:	< 5 m
Dimensions (wxhxd):	900 x 2150 x 1580 mm
Mass/weight:	approx. 245 kg
Power module	
Dimensions (wxhxd):	600 x 1300 x 400 mm
Mass/weight:	Approx. 160 kg
Can be set up separately from electrolyse	er unit.
Specifications for the installation room	
Supply air port for installation room:	min. 800 cm2
Permissible room temperature:	+10 to +30 °C
Ceiling height:	min. 2.6 m
long-term stabilized disinfection solution well as drinking water disinfection to mai parameters (TVO - German drinking wate Environment Office). The freshly produce storage tank as required, and added to th	ion of a low chloride, highly concentrated and for use in professional pool water treatment as intain and safeguard the quality of the hygiene r regulations, § 11 UBA - German Federal ed electrolysis product is taken from the product e water to be treated by means of a separate at is independent of the electrolysis system.
No handling of or contact with hazardous	s materials required.
coordination of possible damage with pu	idential areas possible without the need for prior ablic authorities (police, fire brigade etc.). Clear te es. Controlled hydrogen discharge to the outside.
There are no waste products that require	a special form of disposal.

The regulations of § 19 WHG (German Federal Water Act) apply. There are no further requirements for storage of products < 1000 I. Chlorine produced by electrolysis is classified as "WGK 1", low hazardous to waters according to water pollution classes. When storing quantities of > 1000 I of the product, only a separate drip pan with integrated leakage probe is required. (As per 2015)

Application

Safety information

Disposal informations

Storage instructions

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Status: 05.05.2023

Simply enjoy the best water!