



CECHLOTM MS-200

On-site generation system

Protect your supply chain by sustainably generating hypochlorite, chlorine gas and caustic on-site

Three simple and common consumables generate fresh chlorine-based disinfectant on-site:

Salt + Water + Electricity

CECHLO systems provide a safe, effective, economical and sustainable solution to protect yourself against price volatility or shortages of chlorine.

Why Choose De Nora?



ELECTROCHEMISTRY LEADERS - 70% GLOBAL CHLORINE PRODUCED WITH DE NORA ELECTRODES



PROTECT YOUR OPERATIONS AGAINST SHORTAGES AND PRICE INCREASES



EASY TO USE SYSTEMS IN A SMALL FOOTPRINT



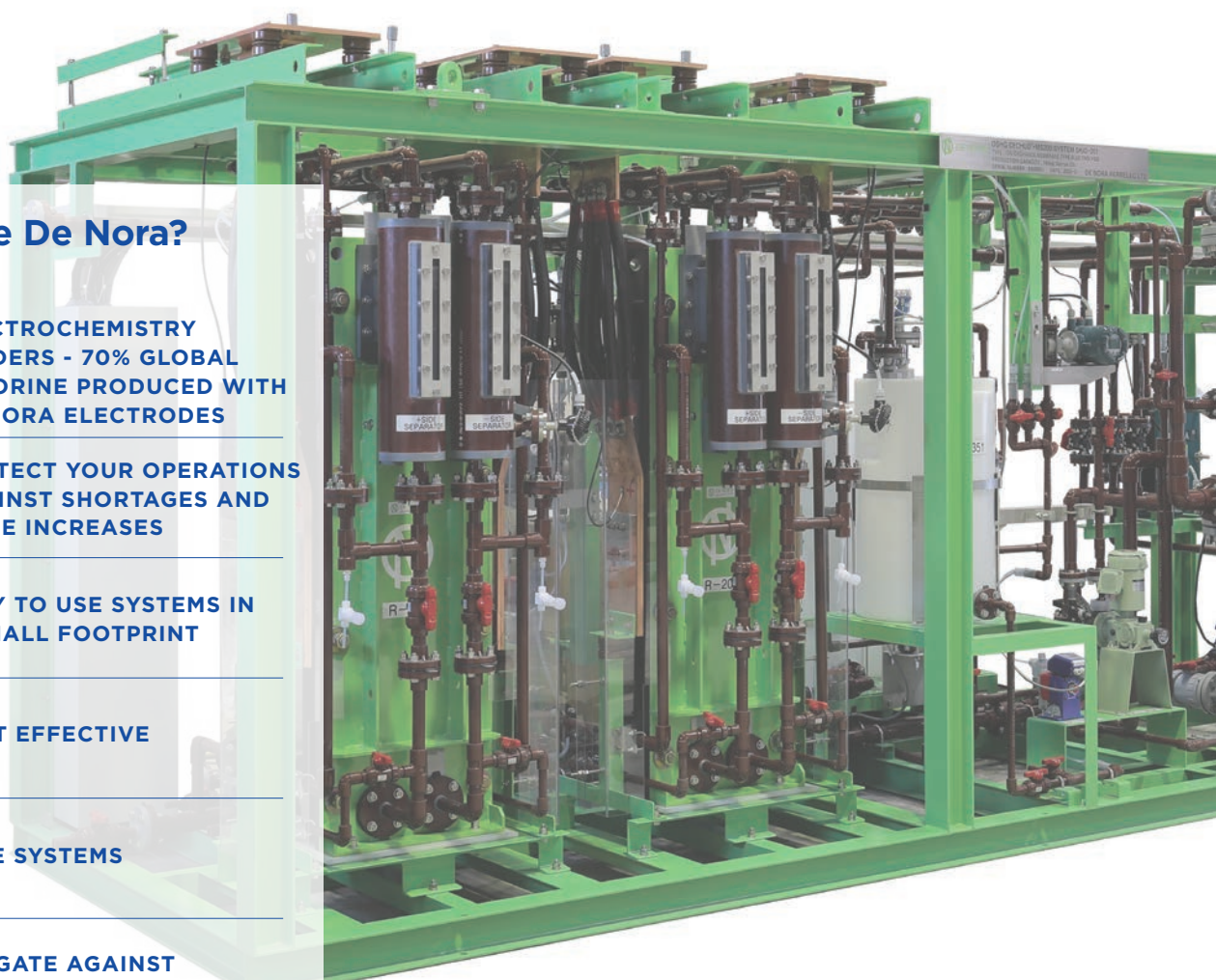
COST EFFECTIVE



SAFE SYSTEMS



MITIGATE AGAINST DISINFECTION BYPRODUCT FORMATION



De Nora CECHLO™-MS200 on-site generators use world-proven ion exchange membrane electrolysis to generate high concentration sodium hypochlorite at 12% strength or chlorine gas/caustic.

At the heart of the system is the highly efficient proprietary electrolyser, using De Nora DSA® coated electrodes to ensure maximum efficiency and unsurpassed energy savings.

CECHLO Systems

Flexible solutions

- Produces 12.5% solution hypo or pure chlorine gas (wet and dry) + pure caustic
- 0.125 – 3 ton/day Cl_2 per module / 276 – 6.613 ppd Cl_2 per module
- Treats up to 1 million m^3/d @ 2 ppm dose per module

Generating on-site

- Protect your supply chain from price increases and shortages
- Ensure consistently high product quality with no degradation
- Eliminate shipping and storage of chemicals; mitigate shipping costs and reducing HSE risks
- Centralise production of high quality disinfectant for remote regions

Fully automated and remote monitoring

- Easy operation, minimal labour input: peace of mind at remote operations

Skid-mounted, modular containerizable, plug and play

- Easy operation and installation

High efficiency

- Uses De Nora DSA coated electrodes and high efficiency membranes
- Low operating costs compared to bulk chlorine supply

De Nora expertise

- Over 50 years of market leadership in chlor-alkali plants - 70% of chlorine produced globally uses De Nora electrodes
- More than 100 years electrochemical expertise
- >450 plants installed using CECHLO technology



CECHLO-MS200 ON-SITE GENERATION



CECHLO-MS200 MODELS

			MS201	MS202	MS203	MS204	MS206	MS208	MS212
NUMBER OF ELECTROLYZER		PCS	1	2	3	4	6	8	12
CL ₂ GAS MODE	CHLORINE PRODUCTION	KG/DAY	250	500	750	1000	1500	2000	3000
	25% NAOH PRODUCTION	KG/DAY AS 100% NAOH	283	565	848	1130	1695	2260	3390
HYPO MODE	SODIUM HYPOCHLORITE	KG/DAY	2,083	4,167	6,250	8,333	12,500	16,667	25,000
	AVAILABLE CHLORINE	WT%	12 (12.6% AS NACLO)						
ELECTROLYZER SKID DIMENSIONS (MM)			2000 X 5500			2000 X 8500		2000 X 14500	
UTILITY CONSUMPTION	SALT	KG/KG-CL ₂				1.95			
	ELECTRIC POWER	AC-KWH/KG-CL ₂	5.80	4.90	4.73	4.55	4.40	4.35	4.30
	POTABLE WATER	M ³ /DAY	1.6	3.1	4.7	6.2	9	12	19

© Copyright 2024 Industrie De Nora S.p.A. – All rights reserved. De Nora, ON circle, are trademarks or registered trademarks of Industrie De Nora S.p.A. in Europe and/or other countries. Other trademarks used herein are the registered trademarks of their respective owners.

The information contained herein is offered for use by technically qualified personnel at their discretion and risk without warranty of any kind.

info.dnwt@denora.com www.denora.com

770.0001.2_A4 SEPT/2024

