



CECHLO™ 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



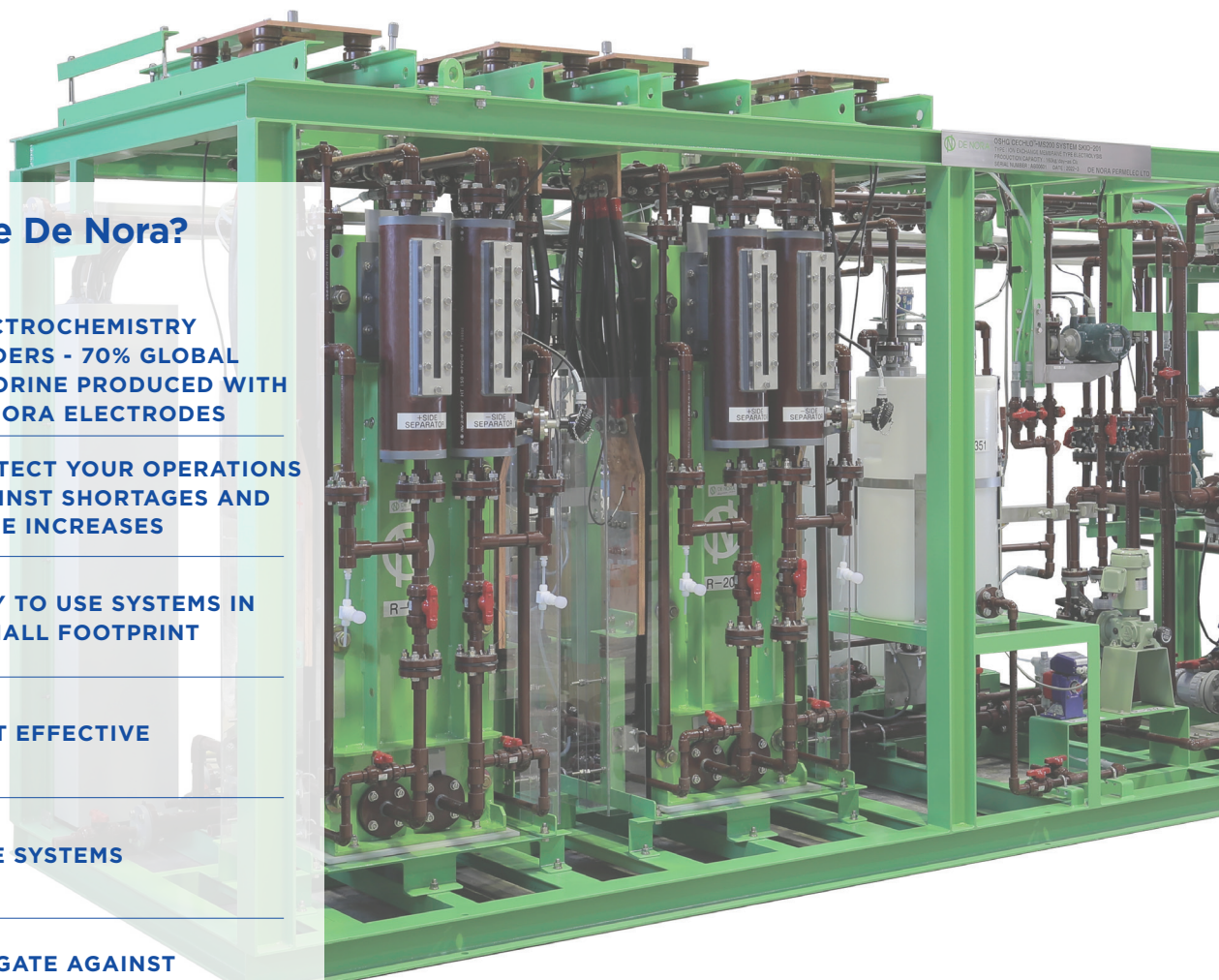
COST EFFECTIVE



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 Cl₂ per module / 276 – 6.613 ppd Cl₂ per module
- Treats up to 1 million m³/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
CL2 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

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