

On-site Chemical Generator

MIOX[®]

300 to 1,200 lb/d (136 to 544 kg/d)

MIOX[®] Overview

The De Nora MIOX[®] 300 - 1200 on-site chemical generators produce from 300 - 1,200 lb/day of chemicals for water treatment and are systematically optimized for ease of use, reliability, and performance. The MIOX[®] 300 - 1200 systems have a modular design, which means the system can be easily expanded 4X within the same cabinet and without increasing the footprint, to meet future increase in FAC demand.

Leading the industry in salt and energy conversion, the MIOX[®] ensures the lowest life-cycle cost for your application. The unit operates with Allen Bradley MicroLogix 1400 controls and is equipped with self-adjusting flow control.

- Self-cleaning feature.
- Remote monitoring and communication options available.
- Transformerless design ensures optimal efficiency, smallest footprint and lowest weight design.
- Unique cell design and flow control features for simplified maintenance and operation.
- NSF/ANSI 61 and CE Marking



MIOX[®] 300 - 1200

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Product Specifications

	MIOX [®] 300	MIOX [®] 600	MIOX [®] 900	MIOX [®] 1200	MIOX [®] 250	MIOX [®] 500	MIOX [®] 750	MIOX [®] 1000
lb/day FAC Capacity	300 lb/day	600 lb/day	900 lb/day	1,200 lb/day	250 lb/day	500 lb/day	750 lb/day	1,000 lb/day
kg/day FAC Capacity	136 kg/day	272 kg/day	408 kg/day	544 kg/day	113.5 kg/day	227 kg/day	340.5 kg/day	454 kg/day
Salt Conversion (SCE)*	3.0 lb salt/lb FAC 3.0 kg salt/kg FAC				3.0 - 3.5 lb salt/lb FAC 3.0 - 3.5 salt/kg FAC			
Energy Conversion* (ECE)	3.0 kW-hr/lb FAC 6.6 kW-hr/kg FAC							
FAC Concentration*	4,500 mg/L ± 1,000 mg/L							
Electrical Service Requirement (OSG only)	480VAC, 3 ph 100A, 50/60 Hz	480 VAC, 3 ph, 200A, 50/60 Hz	480 VAC, 3 ph, 300A, 50/60 Hz	480 VAC, 3 ph, 400A, 50/60 Hz	400 VAC, 3 ph, 100A, 50/60 Hz	400 VAC, 3 ph, 200A, 50/60 Hz	400 VAC, 3 ph, 300A, 50/60 Hz	400 VAC, 3 ph, 400A, 50/60 Hz
Flow Rate (± 15%)	380 gal/hr 1438 L/hr	760 gal/hr 2,877 L/hr	1,140 gal/hr 4,315 L/hr	1,520 gal/hr 5,754 L/hr	304 gal/hr 1,150 L/hr	608 gal/hr 2,300 L/hr	912 gal/hr 3,450 L/hr	1,216 gal/hr 4,600 L/hr
Air Temp Required	45°F to 110°F 7°C to 43°C							
Recommended Feed Water Temp	55°F to 80°F 12°C to 27°C							
Feed Water Pressure	50 to 100psi 345 to 689kPa							
Maximum Silica Limit	20 mg/L							
Energy Add for Internal Vent	0.5 kW	1 kW	1.5 kW	2 kW	0.5 kW	1 kW	1.5 kW	2 kW

* Performance may vary depending on salt quality, water quality, and water temperature.

WATER MADE EASY

MARINE

ENERGY

MUNICIPAL

INDUSTRIAL



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