

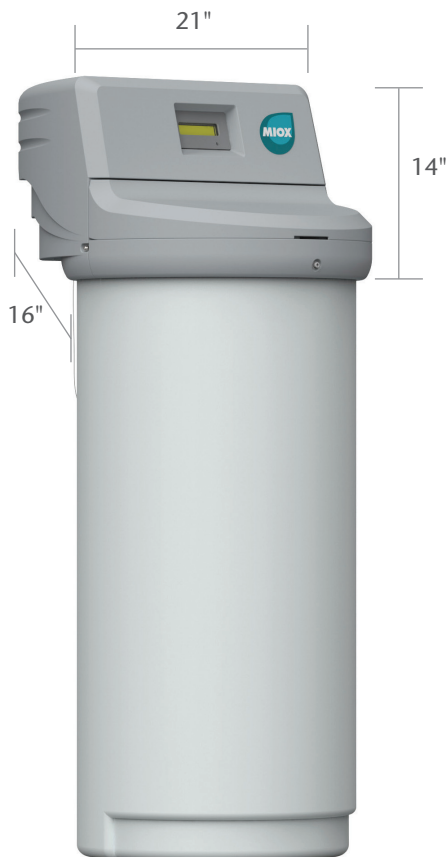
On-site Chemical Generator

MIOX[®]

2 lb/d (0.9 kg/d)

MIOX[®] System Overview

The De Nora MIOX[®] 2 generator is a compact, easy to install and operate system for the on-site generation of up to 2lb/day of mixed oxidant solution.



MIOX[®] 2

Similar to the thousands of larger De Nora installations around the world, the MIOX[®] 2 is designed for minimal maintenance and ultimate simplicity and can be easily retrofitted into existing infrastructures. Just load with salt and let the De Nora MIOX[®] do the hard work for you.

- Self-cleaning
- Fully automatic flow control
- Remote monitoring capabilities
- NSF/ANSI 61 and CE Markings

MIOX[®] On-site Chemical Generator

2 lb/d (0.9 kg/d)

Product Specifications

	MIOX [®] 2
Rated FAC Capacity	2.0 lb/day 0.9 kg/day
Water Treatment Capacity (at 1 ppm FAC)	240,000 gal/day 908 m ³ /day
Rated FAC Capacity	2.7 gal/hr 10.2 L/hr
Self-Cleaning	YES
FAC Concentration*	4,000 ± 1,000 mg/L
Water Hardness	0 - 17 mg/L
Electrical Service Requirement (OSG Only)	110 VAC to 240 VAC, 1 ph, 4A rating 50/60 Hz
Salt Conversion (SCE)*	3.0 - 3.5 lb Salt/lb FAC 3.0 - 3.5 kg Salt/kg FAC
Energy Conversion (ECE)*	3.5 kW-hr per lb FAC 7.7 kW-hr per kg FAC
Salt Quality Required	99.5% NaCl or better
Hydrogen Venting	REQUIRED
Air Temperature Required	40°F to 110°F 4°C to 43°C
Recommended Feed Water Temperature Range	55°F to 80°F 12°C to 27°C
Feed Water Pressure	1 - 75 psi 6.8 - 517 kPa
Dimensions (WxDxH)	21" x 16" x 14" 53 cm x 41 cm x 36 cm
Approx. Weight	25 lbs 11.5 kg

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

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DNWT - MIOX[®] 2 On-site Chemical Generator - 760.0003.1 - 7/2019

On-site Chemical Generator

MIOX[®]

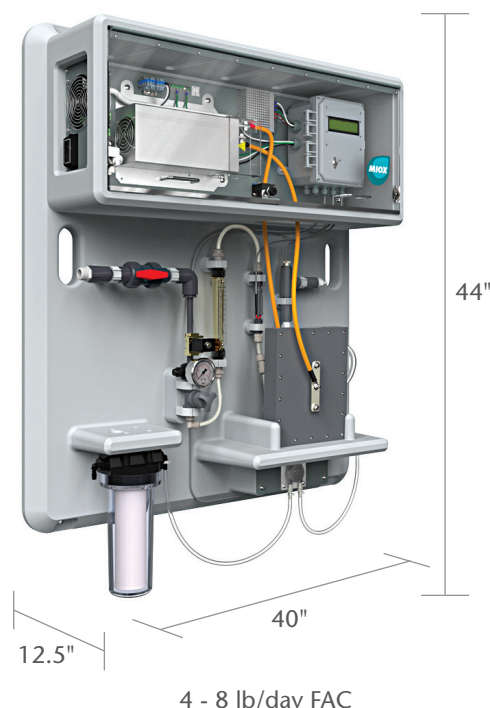
4 to 8 lb/d (1.8 to 3.6 kg/d)

MIOX[®] Overview

The De Nora MIOX[®] 4 - 8 systems are simplified automatic units configured for permanent installations producing between 4 and 8 lbs/day (1.8 - 3.6 kg/day) of mixed oxidants. Available as a skid-mounted or stand-alone system, MIOX[®] systems are ideal for industrial applications

and small rural and remote communities. Systems activate based upon a level sensor measuring the volume of oxidant in a storage tank. After connection to water and a power source, the only routine operator service requirements are to load salt into the brine generator

Using just water, salt and power to generate chemicals on site eliminates the storage and handling of hazardous disinfection chemicals while providing chlorine residual.



- Wall mount or free-standing
- Available in 110/220 V 1 ph
- Corrosion-free rotomolded backpanel
- Unique cell design and flow control features for simplified maintenance and operation
- NSF/ANSI 61 Certified

MIOX® On-site Chemical Generator

4 to 8 lb/d (1.8 to 3.6 kg/d)

Product Specifications

	MIOX® 4	MIOX® 6	MIOX® 8
Rated FAC Capacity	4 lbs/day 1.8 kg/day	6 lbs/day 2.7 kg/day	8 lbs/day 3.6 kg/day
Water Treatment Capacity (at 1 ppm FAC)	480,000 gal/day 1817 m³/day	720,000 gal/day 2725 m³/day	960,000 gal/day 3634 m³/day
Salt Conversion (SCE)*	3.0 lb salt/lb FAC 3.0 kg salt/kg FAC	3.0 lb salt/lb FAC 3.0 kg salt/kg FAC	3.0 lb salt/lb FAC 3.0 kg salt/kg FAC
Energy Conversion (ECE)*	3.5 kW-hr/lb FAC 7.7 kW-hr/kg FAC	3.5 kW-hr/lb FAC 7.7 kW-hr/kg FAC	3.5 kW-hr/lb FAC 7.7 kW-hr/kg FAC
FAC Concentration*	3,800 mg/L (± 1,000)	3,800 mg/L (± 1,000)	3,800 mg/L (± 1,000)
Electrical Service Requirement (OSG only)	110 or 220 VAC, 1 ph, 20A, 50/60 Hz	110 or 220 VAC, 1 ph, 20A, 50/60 Hz	220 VAC, 1 ph, 20A, 50/60 Hz
Flow Rate (± 15%)	6 gal/hr 22.7 L/hr	9 gal/hr 34 L/hr	9 gal/hr 34 L/hr
Air Temp. Required	42° to 110° F 6° to 43°C		
Recommended Feed Water Temperature*	55° to 80° F 12° to 27° C		
Feed Water Pressure	25 to 75 psi 172 to 517 kPa		
Water Hardness	0 – 17 mg/L (1 grain/gallon)		
Maximum Silica Limit	20 mg/L		
Approximate Dimensions (WxDxH)	40 x 12.5 x 44 inches 102 x 31.75 x 112 cm		

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

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DNWT - MIOX® 4 - 8 On-site Chemical Generator - 760.0005.0 - 7/2019

On-site Chemical Generator

MIOX[®]

15 to 60 lb/day (6.8 - 27.2 kg/day)

MIOX[®] Overview

The De Nora MIOX[®] 15 - 60 systems are designed for high efficiency, low lifecycle cost, durability and reliability. Specialized engineering and design gives the MIOX[®] systems flexibility to easily expand capacity 4X in the same enclosure.

Systems range from 15 - 60 lb/day. Using just water, salt and power to generate chemicals on site eliminates the storage and handling of hazardous disinfection chemicals while providing chlorine residual.

- Self-cleaning feature
- Available in 200/240 V 1 ph or 380/530 V 3 ph
- Remote monitoring and communication options available
- Unique cell design and flow control features for simplified maintenance and operation
- NSF/ANSI 61 and CE Markings



MIOX® On-site Chemical Generators

15 to 60 lb/day (6.8 - 27.2 kg/day)

Product Specifications

	MIOX® 15	MIOX® 30	MIOX® 45	MIOX® 60
Rated FAC Capacity	15 lb/day 6.8 kg/day	30 lb/day 13.6 kg/day	45 lb/day 20.4 kg/day	60 lb/day 27.2 kg/day
12.5% Bleach Equivalent	15 gal/day 57 L/day	30 gal/day 113.5 L/day	45 gal/day 170 L/day	60 gal/day 227 L/day
Additional cell increments to meet higher capacity	15 lb 6.8 kg	15 lb 6.8 kg	15 lb 6.8 kg	---
Water Treatment Capacity (at 1 ppm FAC)	1.8 mgd 6,813 m³/day	3.6 mgd 13,626 m³/day	5.4 mgd 20,439 m³/day	7.2 mgd 27,252 m³/day
Salt Conversion (SCE)**	3.0 lb salt/lb FAC 3.0 kg salt/kg FAC	3.0 lb salt/lb FAC 3.0 kg salt/kg FAC	3.0 lb salt/lb FAC 3.0 kg salt/kg FAC	3.0 lb salt/lb FAC 3.0 kg salt/kg FAC
Energy Conversion (ECE)**	3.0 kW-hr/lb FAC 6.6 kW-hr/kg FAC	3.0 kW-hr/lb FAC 6.6 kW-hr/kg FAC	3.0 kW-hr/lb FAC 6.6 kW-hr/kg FAC	3.0 kW-hr/lb FAC 6.6 kW-hr/kg FAC
FAC Concentration**	4,500 mg/L ± 1,000 mg/L	4,500 mg/L ± 1,000 mg/L	4,500 mg/L ± 1,000 mg/L	4,500 mg/L ± 1,000 mg/L
Electrical Service Requirement (OSG only)	200 - 240 VAC, 1 ph, 30A, 50/60 Hz*	200 - 240 VAC, 1 ph, 60A, 50/60 Hz*	200 - 240 VAC, 1 ph, 90A, 50/60 Hz*	200 - 240 VAC, 1 ph, 120A, 50/60 Hz*
Flow Rate (± 15%)	19 gal/hr 72 L/hr	38 gal/hr 144 L/hr	57 gal/hr 216 L/hr	76 gal/hr 288 L/hr

*Available in 3 ph, Wye 380 - 530 VAC, 15A, 25A, 35A, 45A, 50/60Hz

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

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DNWT - MIOX® 15 - 60 On-site Chemical Generator- 760.0002.1 - 7/2019

On-site Chemical Generator

MIOX[®]

60 to 300 lb/d (27 to 136 kd/d)

MIOX[®] Overview

The De Nora MIOX[®] 60 - 300 systems produce from 60 to 300 lb/day of chemicals for water treatment and are systematically optimized for ease of use, reliability, and performance. The MIOX[®] systems have a modular design, which means the systems can be easily expanded 5X 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.
- Unique cell design and flow control features for simplified maintenance and operation.
- NSF/ANSI 61 Certified



MIOX® On-site Chemical Generator

60 to 300 lb/d (27 to 136 kg/d)

Product Specifications

	MIOX® 60	MIOX® 120	MIOX® 180	MIOX® 240	MIOX® 300
Rated FAC Capacity	60 lb/day 27 kg/day	120 lb/day 54 kg/day	180 lb/day 81 kg/day	240 lb/day 108 kg/day	300 lb/day 136 kg/day
12.5% Bleach Equivalent	60 gal/day 227 L/day	120 gal/day 454 L/day	180 gal/day 681 L/day	240 gal/day 908 L/day	300 gal/day 1,135 L/day
Additional cell increments to meet higher capacity	60 lb 27 kg	60 lb 27 kg	60 lb 27 kg	60 lb 27 kg	---
Water Treatment Capacity (at 1 ppm FAC)	7.2 mgd 27,255 m³/day	14.4 mgd 54,510 m³/day	21.6 mgd 81,765 m³/day	28.8 mgd 109,020 m³/day	36 mgd 136,275 m³/day
Salt Conversion (SCE)*	2.5 lb salt/lb FAC 2.5 kg salt/kg FAC	2.5 lb salt/lb FAC 2.5 kg salt/kg FAC	2.5 lb salt/lb FAC 2.5 kg salt/kg FAC	2.5 lb salt/lb FAC 2.5 kg salt/kg FAC	2.5 lb salt/lb FAC 2.5 kg salt/kg FAC
Energy Conversion (ECE)*	3.5 kW-hr/lb FAC 7.7 kW-hr/kg FAC	3.5 kW-hr/lb FAC 7.7 kW-hr/kg FAC	3.5 kW-hr/lb FAC 7.7 kW-hr/kg FAC	3.5 kW-hr/lb FAC 7.7 kW-hr/kg FAC	3.5 kW-hr/lb FAC 7.7 kW-hr/kg FAC
FAC Concentration*	4,500 mg/L ± 1,000 mg/L	4,500 mg/L ± 1,000 mg/L	4,500 mg/L ± 1,000 mg/L	4,500 mg/L ± 1,000 mg/L	4,500 mg/L ± 1,000 mg/L
Electrical Service Requirement (OSG only)	400 VAC, 3 ph, 125A, 50/60 Hz and 480 VAC, 3 ph, 100A, 50/60 Hz	400 VAC, 3 ph, 125A, 50/60 Hz and 480 VAC, 3 ph, 100A, 50/60 Hz	400 VAC, 3 ph, 125A, 50/60 Hz and 480 VAC, 3 ph, 100A, 50/60 Hz	400 VAC, 3 ph, 125A, 50/60 Hz and 480 VAC, 3 ph, 100A, 50/60 Hz	400 VAC, 3 ph, 125A, 50/60 Hz and 480 VAC, 3 ph, 100A, 50/60 Hz
Flow Rate (± 15%)	75 gal/hr 284 L/hr	150 gal/hr 568 L/hr	225 gal/hr 852 L/hr	300 gal/hr 1136 L/hr	375 gal/hr 1420 L/hr

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

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DNWT - MIOX® 60 - 300 On-site Chemical Generator - 760.0001.1 - 7/2019

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.



MIOX[®] 300 - 1200

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® On-site Chemical Generator

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

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.

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