

# Wallace & Tiernan® Process Systems

## OSEC®-NXT

### Membrane electrochlorination system

#### Product Overview

The series of OSEC®-NXT membrane electrochlorination systems is used for commercial leisure and swimming pool applications as well as potable or industrial water treatment. They provide many safety features when used as an alternative to chlorine gas systems. Transport and handling of chlorine cylinders is completely eliminated. Only saturated brine and softened water are needed for the redeveloped electrolyzer process which safely and efficiently produces hypochlorite on-site. The optimized efficiency of the electrolyzer cells leads to a minimum demand for brine and power. The integrated Wallace & Tiernan® ChemWeb-Server data communication server provides remote visualization capability. All components for the electrolyzer process, the controller, and the water softener are skid mounted for easy installation while maintaining a small foot print. In addition, the lower capacity systems up to 6 kg (13 lb) per day contain integrated tanks for brine and sodium hypochlorite.

#### Applications

- Disinfection of swimming pool water
- Disinfection of potable, industrial and process water

#### Features

- Continuous on-line produced disinfection solution avoids by-products
- Integrated ChemWeb-Server for comfortable remote access
- Serves multiple points of injection

#### Key Benefits

- High efficiency by optimized and continuous conversion from brine to sodium hypochlorite solution
- Long life system through optimized production and integrated capacity control
- High operating safety, just requiring salt and water
- User-friendly touch panel control
- Skid mounted system for easy installation



OSEC®-NXT system for up to 60 kg Cl<sub>2</sub>/day

## Product Line Sheet

## Technical Data

Capacity Cl <sub>2</sub> /day	Dimensions W x H x D	Weight
6 kg (13.2 lbs)	1200 x 1895 x 750 mm (47.2 x 74.6 x 29.5")	448 kg (987.7 lbs)
12 kg (26.5 lbs)	1200 x 1895 x 805 mm (47.2 x 74.6 x 31.7")	340 kg (749.6 lbs)
24 kg (52.9 lbs)		390 kg (859.8 lbs)
36 kg (79.4 lbs)		440 kg (970.0 lbs)
48 kg (105.8 lbs)	1500 x 1895 x 805 mm (59.1 x 74.6 x 31.7")	490 kg (1080.3 lbs)
60 kg (132.3 lbs)	1800 x 1895 x 805 mm (70.9 x 74.6 x 31.7")	550 kg (1212.5 lbs)

For each model a detailed data sheet is available.



OSEC®-NXT system for up to 6 kg Cl<sub>2</sub>/day

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