OSEC® MINI HYPOCHLORITE GENERATION SYSTEM

WALLACE & TIERNAN® PROCESS SYSTEMS

The OSEC® Mini system safely produces a sodium hypochlorite solution with max. 70 g/h that is directly fed into the pool. The preparation amount can easily be regulated upon the changing needs of the pool. The on-site production of sodium hypochlorite avoids the hazards associated with the storage and transport of chlorine gas, calcium hypochlorite or commercial sodium hypochlorite solution. This makes the OSEC Mini system ideal for your pool chlorination needs. The packaged unit comes with electrolyzer unit including integrated HMI touchpanel, softener, salt dissolving tank and accessories.

FEATURES

Easy to use and operate

Once installed, the unit can easily be programmed directly feed the necessary amount of chlorine directly into your pool, eliminating any start up challenges. The common dissipation of sodium hypochlorite and hydrogen leads directly into the consumption cycle, so you do not have to handle any chemicals.

Easy installation and maintenance

For reducing the footprint the installation of the compact system is mounted on a wall. Once the electrolyzer and accessories are properly installed, simply connect electricity, fill the brine tank and you are ready to go! All service-relevant components are easily accessible in the rack making the minimal maintenance required simple. Installation and maintenance should be carried out by specially trained service technicians.

Key Benefits

- No handling/storage of hazardous chemicals
- Safe and user-friendly alternative to chlorine gas, calcium hypochlorite, bleach and chlorine tablets
- Easy and simple installation
- User-friendly and intuitive operation with long service intervals
- Produces up to 70 g/h chlorine depending on demand
- Small footprint (no product tank)
- No decomposition products: sodium hypochlorite solution is used immediately and not temporarily stored

FEATURES (CONT.)

Innovative operation on tochpanel

The system can be operated fully automatically. The most important functions that ensure reliable operation are displayed on the control panel. Operators can intuitively navigate through the menu on the 4.3-inch touch screen.

Robust electrolytic cell

The unique design of the OSEC Mini electrolysis cell ensures optimized chlorine production with high salt conversion efficiency, approx. 2.4 kg salt per kg chlorine, and low power consumption over a wide temperature range. It produces sodium hypochlorite solution of the highest quality.

Modular power supply

The electrolysis cell is equipped with a special 540 W DC power supply. The new design can achieve 92% efficiency over a wide ambient temperature.

Engineered salt dissolving tank (brine tank)

Designed for use of salt according to EN 14805 Type 1 with screen bottom, safety overflow and brine suction valve with controlled automatic soft water after-feed through a float valve.

TECHNICAL DATA

Capacity: max. 70 g/h / 1.68 kg/day

Power consumption: approx. 4.6 kWh per kg chlorine

Salt consumption: approx. 2.4 kg salt per kg chlorine

Sodium hypochlorite concentration:
max. 7.5 g/l chlorine at 5 - 30°C

Dimensions (W x H x D):
OSEC Mini: 420 x 943 x 244 mm
Softener tank: 200 x 450 x 500 mm
Brine tank: Diameter: 470 mm; Height: 921 mm

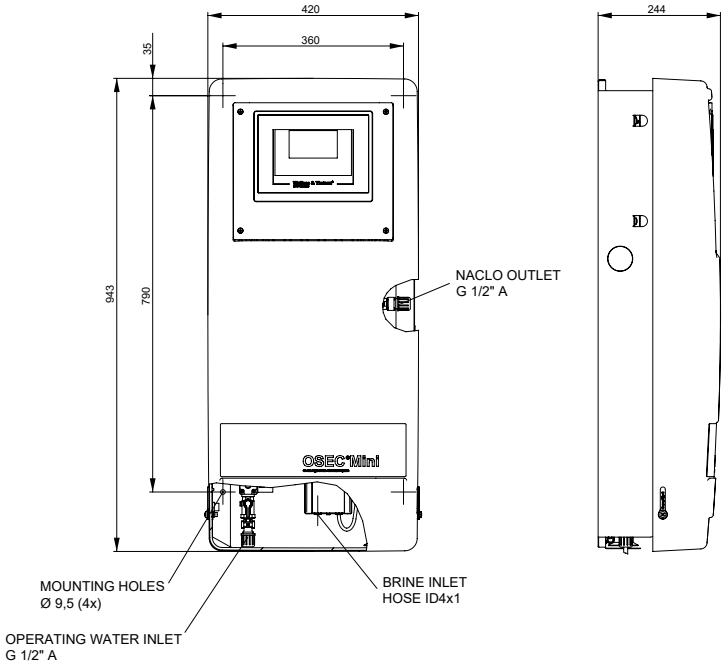
Weights:
OSEC Mini: 21 kg; Softener: 11 kg;
Brine tank; salt volume: 130 kg

Power supply: 1/N/PE, AC, 115 - 240 V, 50/60 Hz

Certification: CE

Interfaces:

- RS 485 to connect to Wallace & Tiernan® Process Monitoring System (option)
- Ethernet interface with Modbus® TCP protocol and http protocol for web visualization



FOR MORE DETAILS A SEPARATE DATA SHEET AND DRAWINGS ARE AVAILABLE.

EVOQUA WATER TECHNOLOGIES

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