

Chlor-o-Safe[®] Compact

Compact unit for Chlorine disinfection

ElectroCell has developed a compact electrolysis system for generation of sodium hypochlorite for disinfection of pool water, drinking water and for use in industrial purposes. Chlor-o-Safe[®] Compact produces "fresh" sodium hypochlorite (<1 %) without any additives.

The unit is produced in Denmark with technology based on more than 30 years of experience of chlorine electrolysis. This results in a compact fully integrated unit where safety and reliability comes first. Chlor-o-Safe[®] Compact include chlorine electrolysis, internal water softener, salt saturator as well as dosing pumps, all assembled in a special manufactured cabinet for optimized hygiene. The unit complies with requirements and safety regulations regarding storage of products containing sodium hypochlorite, thus making a separate room for storage unnecessary.

Note that this product does NOT contain chlorine gas and the electrolysis do not generate wastewater and do not require cooling/heating.

Chlor-o-Safe[®] Compact is developed as a Plug & Play solution, thus easy to install. All functions are tested prior to delivery—only connection of electricity, water, ventilation and by-pass line for dosing point(s) are needed. Fill the saturator with salt and the unit is ready for operation.

The unit is equipped with a 6" color display with information in English, including a number of help functions which i.e. gives information on when test of water and re-filling of salt should be done.



**Separate storage room and protective clothing unnecessary
– Install Chlor-o-Safe® Compact and produce your own
“fresh” hypo containing no additives.**

Chlor-o-Safe® Compact

- Production of hypochlorite without any additives
- The product does NOT contain chlorine gas and the electrolysis do NOT generate wastewater and do not require cooling/heating
- Fully integrated, space saving unit with all components in one special manufactured cabinet for optimized hygiene, safety and reliability
- Separate storage room for sodium hypochlorite not necessary
- Plug & Play Unit-calibrated and tested prior to delivery-only connection of electricity, water, draon from water softener, ventilation and by-pass line for dosing point(s) are needed
- Convenient 6" color display with information in English (also available in German, Swedish and Danish)
- Possibility of monitoring and control via smart phone or tablet
- Help functions on display to inform when i.e. test of water, salt re-filling and service should be performed
- Integrated water softener for continuous operation
- Monitoring function for leakage
- Safety function for over-dosing
- Option for "on-line support"
- Compatible with a variety of dosing automation systems

Technical data Chlor-o-Safe® Compact

| Type | COSC080 | COSC160 | COSC240 | COSC320 | COSC480 | COSC640 | COSC960 |
|---------------------------------|---------|---------|---------|---------|---------|---------|---------|
| Capacity [g Cl ₂ /h] | 80 | 160 | 240 | 320 | 480 | 640 | 960 |
| Salt consumption [kg/h] | 0,25 | 0,50 | 0,75 | 1,00 | 1,50 | 2,00 | 3,00 |
| Water consumption [L/h] | 10,5 | 21,0 | 31,5 | 42,0 | 63,0 | 84,0 | 126 |
| Power consumption [kW] | 0,55 | 1,09 | 1,64 | 2,05 | 3,07 | 4,10 | 5,79 |
| Power connection [V] | 3x400 | 3x400 | 3x400 | 3x400 | 3x400 | 3x400 | 3x400 |
| Fuse size [A] | 10-16 | 10-16 | 10-16 | 10-16 | 16-25 | 16-25 | 16-25 |
| Pool visitors [pers./h] | 10-16 | 20-32 | 30-48 | 40-64 | 60-96 | 80-128 | 100-192 |

Units COSC480, COSC640 and COSC960 are delivered with external salt saturator and/or - dosing
Units with higher capacities can be delivered (up to 20 kg Cl₂/hour/cell module)



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