

Hyprolyser[®] **iSEC[®] 6**

Safe, reliable & efficient on-site generation of sodium hypochlorite.

Using harmless salt & water & electricity, the Hyprolyser[®] iSEC[®] 6 generates a consistent hypochlorite solution containing 0.3% chlorine; a compact and convenient disinfection solution for a wide variety of low-demand chlorination applications including secondary disinfection, storage tanks, private potable water supplies, water features/fountains and CIP uses.

The iSEC[®] 6 avoids the need for facility operators to handle and store hazardous chlorine products. By generating a fresh supply of chlorine, on-demand, the typical loss of chlorine content due to transport conditions and long storage periods is eliminated. Options are available for the addition of a chemical dosing pump and Modbus RTU communication.





Electrolytic
Chlorination
Systems

FEATURES

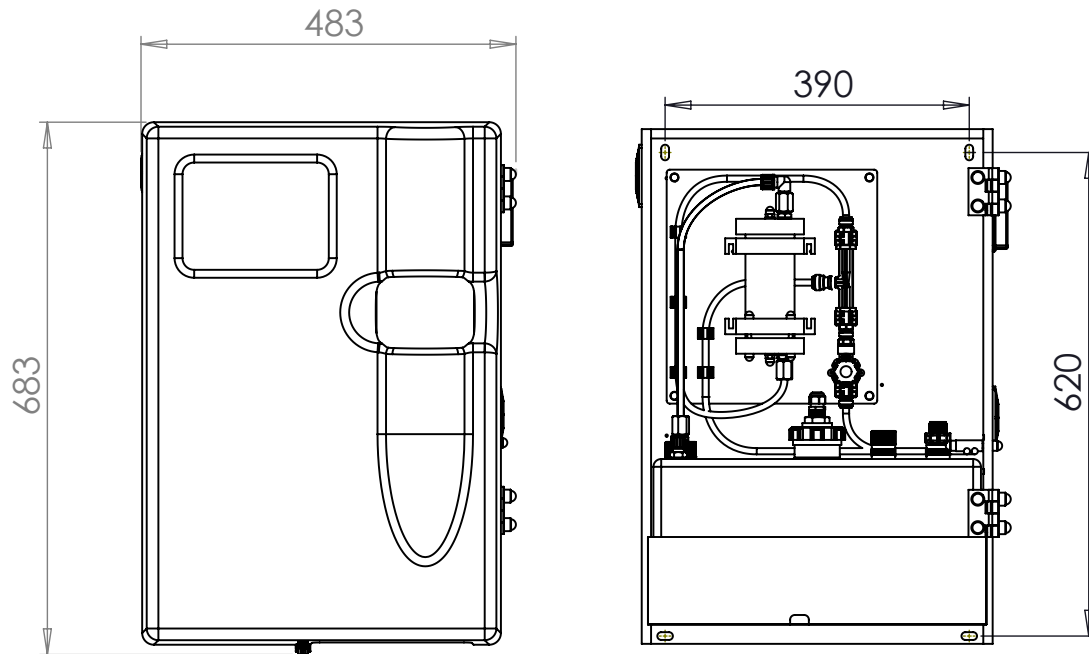
- On-site generation of sodium hypochlorite 6g/h
- Complete packaged system with integrated storage tank & dosing pump option
- Compact wall mounted unit suitable for many low-demand chlorination uses
- Remote monitoring options via Modbus RTU, web & GSM

SPECIFICATIONS

Description	Units	iSEC® 6 model capacity
Chlorine capacity	g/h	6
Chlorine concentration	g/l	3
Liquid product output	l/h	2
Salt consumption	kg/h	0.02
Protection class	IP	IP54
Power supply	V	100-230V~, 50/60Hz
Power rating	VA	Max. 40VA, excluding auxiliary equipment
Working humidity	RH	90% non-condensing
Ambient temp. °C	°C	5-40
Pollution degree		3

Connection	Description
Water feed	8mmOD push-fit tube
Brine feed	8mmOD push-fit tube
Product tank dosing suction outlet	G5/8" BSPm

DIMENSIONS



DESCRIPTION

Supply Water Quality (softened water only)

Temperature (°C)	8-20*
Max inlet pressure (MPa)	0.2
Turbidity (NTU)	<5
pH	6.5-10
Particle size (µm)	<100
Iron (µg/l)	<200
Manganese (µg/l)	<10
Fluoride (mg/l)	<2
Hardness (mg/l of CaCO ₃)	<20
Hardness (°dH)	<1
Free chlorine (mg/l)	<1

*A water heater or chiller is required if the water supply temperature is outside recommended parameters.

Salt Quality

Element/Compound	Upper Limit (mg/kg)
Arsenic (As)	13
Cadmium (Cd)	1.3
Chromium (Cr)	13
Iron (Fe)	10
Mercury (Hg)	0.26
Nickel (Ni)	13
Manganese (Mn)	0.5
Lead (Pb)	13
Antimony (Sb)	2.6
Selenium (Se)	2.6
Calcium (Ca)	100
Magnesium (Mg)	100
Bromide (Br-)	100

SYSTEM COMPONENTS & ACCESSORIES



Modbus RTU module option available.
Not included in standard scope of supply.



Hyprolyser[®] Test Kit contains all instruments, glassware and reagents to carry out all necessary routine and service tests to confirm and monitor the efficient operation of the system.

SUMMARY



Low environmental impact

Minimal recyclable packaging, reduced transportation, no hazardous waste disposal.



Economical

Low cost of salt, reduced pH correction chemical costs, reduced operator labour, low service costs.



Simple to use

Fill saturator with salt, no remedial maintenance of chlorine injector, no technical intervention required by the operator, low hazard system.



Low maintenance

Smart design and robust engineering requires simple, minimal periodic maintenance.



Reliable

Annual test & inspection, 2 year service interval, 2-5 year warranty, 6-8 year typical electrolyser life.



Low hazard system

Delivery and storage of salt, no toxic dangers to staff or neighbours, no hazardous waste disposal and no chemical handling.

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