

***On-site generation of sodium hypochlorite***  
*Safe, simple and efficient*

On-site Electrolyzer  
Models 30 to 480 g/h



- Public swimming pools
- Aquatic centers
- Hotels
- Campsites
- Private swimming pools
- Any process with chlorine injection



- 3 kg of salt are equivalent to 1 kg of pure chlorine
- Concentration of 5-7 g/l of produced chlorine
- 13 kg of salt are equivalent to a can of 25 l of bleach

# ELECTROLYZER

## Advantages & Descriptions

The use of salts offers a lot of benefits for the health and safety of operators:

Security	No delivery and handling of dangerous chemical products
	H2 detector integrated
	No chlorine vapor emitted (hermetic container)
Quality	No product degradation: constant concentration
	On-site generation of chlorine
	One electrolysis system for several injection points using a common product storage tank and dosing pumps
	Less obstruction of injection point compared to sodium and calcium hypochlorites on the market because of the low mineral content of the solution produced
Efficiency	Simple and low maintenance frequency
	Economical solution: salt cheaper than chlorine
	> 5 years electrolyser long life span
	Simple, safe and reliable equipment: automatic process, open non-membrane system
	Mounted on skid
	Easy to install: "Plug and Play"
	Simpler supply of salt versus chlorine

*PRODUCT QUALITY - SIMPLE INSTALLATION AND USE  
ECONOMICAL SOLUTION - INCREASED SECURITY*



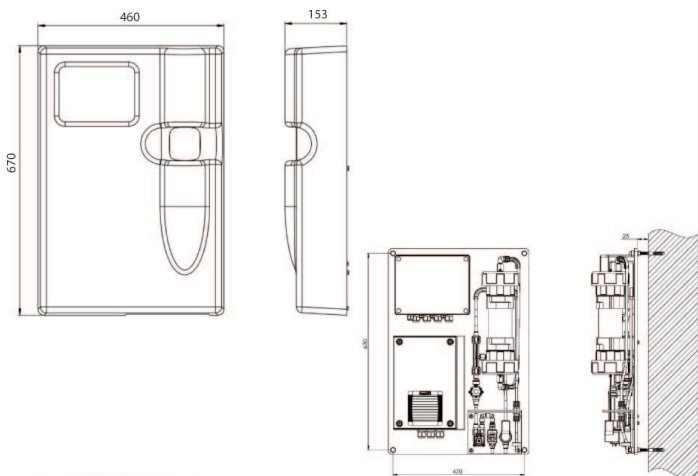
# 30 to 480 g/h

## Description

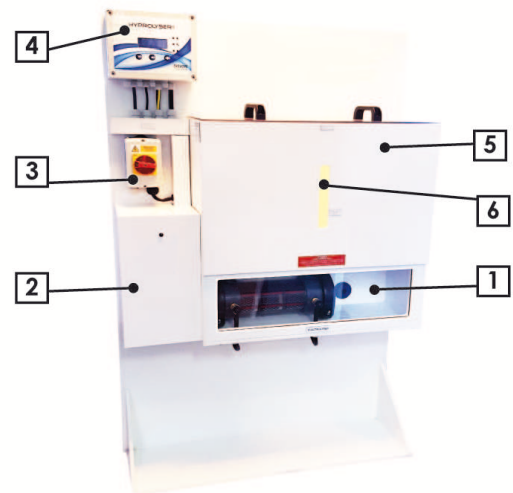
### Version from 30 to 90 g/h



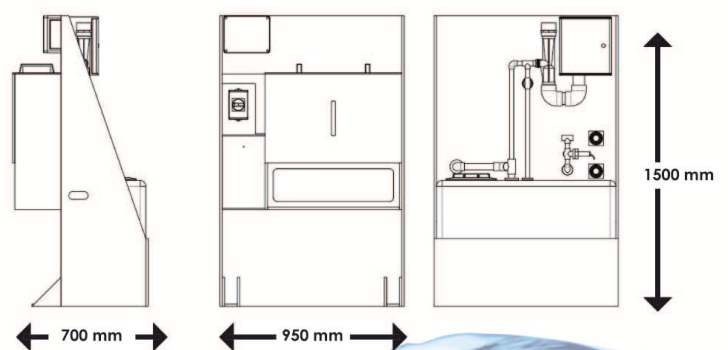
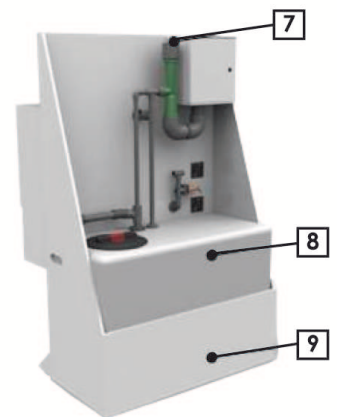
- 1- Control panel
- 2- Electrolyzer unit
- 3- Salt saturator tank
- 4- Product tank
- 5- Softener



### Version from 240 to 480 g/h



- 1- Electrolyzer unit
- 2- Water and brine control module
- 3- Power isolator
- 4- Control panel
- 5- Salt saturator tank
- 6- Salt level
- 7- Hydrogen evacuation
- 8- Product tank
- 9- Retention tank



# ELECTROLYZER

## Technical features

DESCRIPTION	Unit	Electrolyzer model				
		30	60	90	240	480
	Production features					
Production capacity	g/h	30	60	90	240	480
Chlore concentration	g/l	5-7				
Equivalent in concentrated sodium hypochlorite	L/Day	4,8	9,6	14,4	38,4	76,8
	Production tank + degassing					
Volume	Liter	30	30	30	200	200
Material		PVC	PVC	PVC	PEHD	PEHD
Monted on skid		✓	✓	✓	✓	✓
Overflow safety		✓	✓	✓	✓	✓
Retention tanks		✓	✓	✓	✓	✓
Diameter of the degassing chimney	mm	20	20	20	63	63
	Power supply					
Power consumption	Watts	150	300	450	1750	3330
Power supply	Ø	110 - 240VAC/1Ø/50-60Hz				
	Consumables					
Permissible pressure	Bar	2 to 8				
Nominal water consumption	l/h	5	10	15	40	80
Nominal salt consumption	kg/h	0,1	0,2	0,3	0,7	1,44
Protection class	IP	54				
Permissible ambient temperature	°C	+5°C to +45°C				
Permissible supply water temperature	°C	+8°C to +25°C				
Type of salt		special softener, certified biocide				
	Dimensions					
Dimensions (L x l x H)	mm	715 x 325 x 1500			950 x 700 x 1500	
Weight	kg/h	16	16	16	92	96

**SYCLOPE**  
Electronique

Rue du Bruscos - 64230 SAUVAGNON - France  
Tel.: +33(0)5 59 33 70 36 / Fax : +33(0)5 59 33 70 37  
syclope@syclope.fr / www.syclope.fr

Retailer stamp

ALL RIGHTS RESERVED / THE INFORMATION CONTAINED IN THIS DOCUMENT COULD BE CHANGED WITHOUT NOTICE AND CAN NOT ENGAGE THE RESPONSABILITY OF SYCLOPE Electronique.