

# **Hyprolyser**<sup>®</sup>



## Compact: 240, 480, 960

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

Using harmless salts, water and electricity, the Hyprolyser<sup>®</sup> Compact series are a perfect fit for applications requiring up to 23kg Cl<sub>2</sub> av. per day. Generating a safe and reliable supply of 0.6% sodium hypochlorite on demand.

#### Hyprolyser<sup>®</sup> benefits and performance:

- Reduces chlorination & maintenance costs
- Produces a low concentration solution below the hazardous substance threshold, eliminating difficulties associated with the handling & storage of chemicals
- A single Hyprolyser<sup>®</sup> can be used to feed multiple chlorine dosing points
- Space-saving skid design for quick installation
- Simple to operate
- Low service frequency





**Electrolytic  
Chlorination  
Systems**

**FEATURES**

- Force-ventilated electrolyser compartment with multiple safety features
- Patented brine preparation method for high efficiency & consistent chlorine output
- 150kg salt saturator capacity (can be used with granular or tablet salt)
- 300L degassing tank –external product tank/s of choice can be easily connected with no additional tank ventilation required
- Standard models with CE conformity. cETL<sub>US</sub> versions available
- Electrolyser 5 year limited warranty
- Bright OLED display with status indication LEDs, fault log feature, language selection and password protected menu
- Alarms with auto-shutdown: high & low ventilation airflow, high & low DC volts, electrolyser compartment leakage, low water flow plus many more
- Contacts: General Alarm output, remote start/stop input, Emergency Stop
- Optional card insert for RS485 Modbus RTU output for remote monitoring & data acquisition

**Quick Sizing Guide**

Approx. Capacity	Drinking water MLD @ 1ppm Cl <sub>2</sub>	Maximum Total of Pool Volume(s) m <sup>3</sup>		
	23.04	2000		
	11.52	1000	Compact 480	Compact 960
	5.76	500	Compact 240	Compact 480
	Chlorine gas (kg/day)	4.5	9	17
	Sodium hypochlorite 14% (L/day)	27	54	101
	Calcium hypo 70% (kg/day)	6.5	13	24

Current daily chemical usage

# SPECIFICATIONS

## 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 <sub>3</sub> )	<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 <sup>-</sup> )	100

## Order Codes

Part Number	Model	Power Supply	Net Weight (kg)
3060000	Hyprolyser® Compact240	240V~, 50-60Hz	131
3060001		120V~, 50-60Hz	
3060010	Hyprolyser® Compact480	240V~, 50-60Hz	134
3060011		120V~, 50-60Hz	
3060020	Hyprolyser® Compact960	240V~, 50-60Hz	138
3060021		380-415V~, 50-60Hz	

## Consumption Data

Model	240	480	960
Nominal water consumption (L/h)	40	80	160
Nominal salt consumption (kg/h)	0.72	1.44	2.88

## Output Data

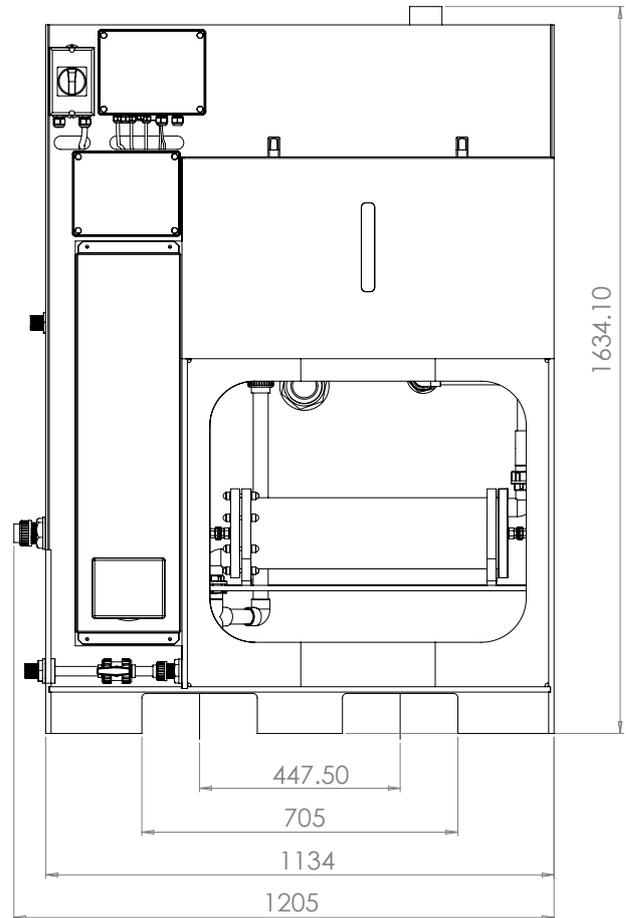
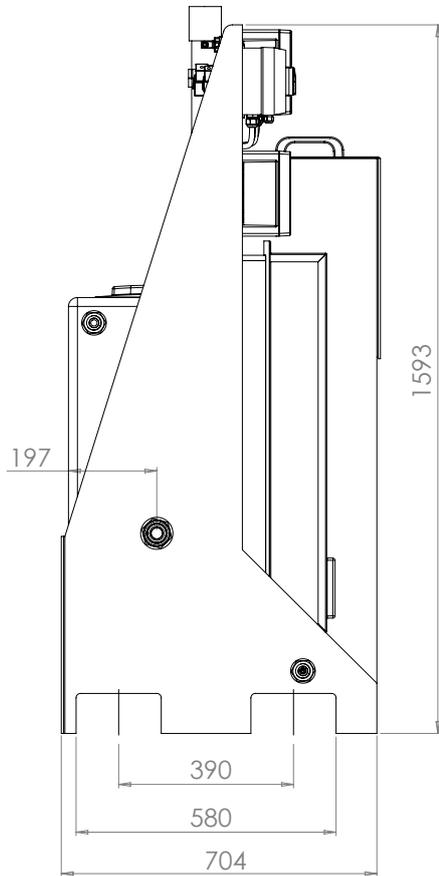
Model	240	480	960
Chlorine capacity g/h	240	480	960
Chlorine concentration g/L (+/-1g)	6	6	6
Liquid product output (L/h)	40	80	160

## Operating Conditions & Limits

Model	240	480	960
Protection class	IP5X		
Working humidity (RH)	20-90% (non-condensing)		
Ambient temperature (°C)	5-40		
Pollution degree	2		
Max. altitude (m)	2000 (ambient temperature derating of 5°C/1000m for operating altitude higher than 2000m/6500ft)		

This equipment is for indoor use only and should be located away from highly humid, dusty or corrosive environments.

# DIMENSIONS



(Fits through standard doorways)

# SYSTEM COMPONENTS & ACCESSORIES



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



Hyprolyser<sup>®</sup> 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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