

Electrolytic  
chlorination

 **Hyprolyser**<sup>®</sup>

**Compact** 240 480 960



The new 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.

**PATENTED**  
Process technology

- ∞ 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

# Features



- ∞ Force-ventilated electrolyser compartment with multiple safety features
- ∞ Patented brine preparation method for high efficiency & consistent chlorine output
- ∞ 100kg 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

Process Water (ML/day at 1mg/L)		Total Pool Volume (m <sup>3</sup> )		
Approx. Capacity	23	1800		
	11.5	900	Compact 480	Compact 960
	5.8	450		
Chlorine gas (kg/day)		4	8	16
Sodium hypochlorite 14% (L/day)		24	48	96
Calcium hypo 70% (kg/day)		5.8	11.6	23

# Specifications



## Supply Water Quality (softened water only)

Temperature (°C)	8-20*
Max inlet pressure (MPa)	0.4
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 CaCO3)	<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

## 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

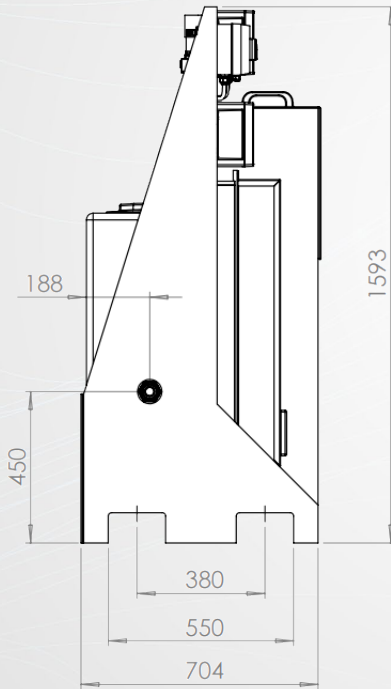
Model:	240	480	960
Protection class	IP40 (CONTROL PANEL IP54)		
Working Humidity (RH)	20-90% (Non-condensing)		
Ambient temperature (°C)	5-40		
Pollution degree	2		
Max. Altitude (m)	2000		
	<i>(Ambient temperature derating of 5°C/1000m for operating altitude higher than 2000m/6500ft).</i>		

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

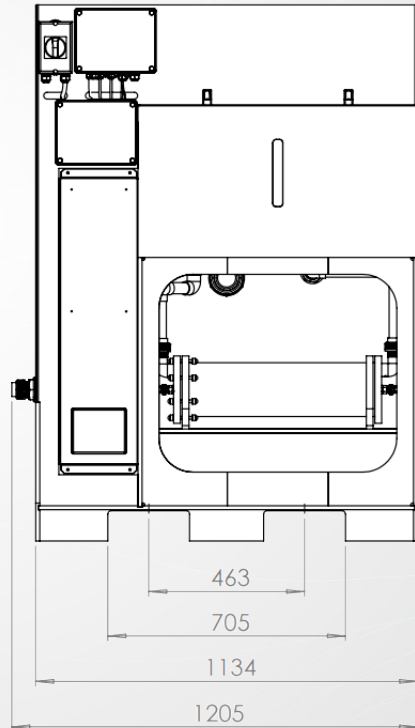
## Specifications



Part Number	Model	Power Supply	Net weight Kg
3060000	Hyprolyser® Compact 240	240V~1Ø, 50-60Hz	131
3060001		120V~1Ø, 50-60Hz	
3060010	Hyprolyser® Compact 480	240V~1Ø, 50-60Hz	134
3060011		120V~1Ø, 50-60Hz	
3060020	Hyprolyser® Compact 960	240V~1Ø, 50-60Hz	138
3060021		380-415~3Ø,50-60Hz	



(Fits through standard doorways)



Hyprolyser® electrochlorination systems sales and service support are available internationally through our network of [approved partners](#).

For further information or assistance:

[hyprolyser@gaffey.co.uk](mailto:hyprolyser@gaffey.co.uk)