



Hyprolyser[®] **iSEC**[®] 250-2000

State-of-the-ART chlorination system for pools. Delivering maximum efficiency.

Fitting seamlessly in to your existing pool plant room, Hyprolyser[®] iSEC[®] electrochlorination systems are the ideal choice for indoor and outdoor commercial pools. They provide a continuous, on-demand supply of **<1.0% sodium hypochlorite** solution. Using **harmless salt, water and electricity**, the sodium hypochlorite is generated through the electrolysis of the diluted brine solution, providing safe, non-hazardous chlorination.

Hyprolyser[®] iSEC[®] uses Adaptive Response Technology

Our latest generation of Hyprolyser[®] iSEC[®] systems give you even more. Our unique, state-of-the-art Adaptive Response Technology allows the system to adjust to changing environmental and site conditions, ensuring continued efficient and effective chemical generation.

The Hyprolyser[®] unit can detect the smallest irregularity within its process. Rather than immediately stopping chemical generation, it will automatically self-regulate and continue to function, whilst displaying the relevant warning annotation, enabling the operator to easily identify and resolve any issues without interrupting operation, avoiding nuisance and costly shutdowns.





At a glance

- Uses salt, water and electricity to generate non-hazardous chlorine solution
- DSEAR compliant with NO External Zones
- Hydrogen is safely vented to outside termination point
- Adaptive Response Technology to meet all environmental conditions
- Compact yet powerful <1% sodium hypochlorite generation
- HSE/BPR compliant
- No chemical deliveries, COSHH made simple

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

Safety is paramount

Health and safety are key to all operations, especially where hazardous chemicals are used, and this can be a challenge, especially in the plant room where space is at a premium. With Hyprolyser® there are no chemicals or hazardous substances to be transported, stored, or used, only harmless salt, removing all the concerns around COSHH. Hyprolyser® iSEC® is pinpoint in its efficiency, now using even less salt to generate sodium hypochlorite, this in turn maintaining lower TDS readings in the pool. A huge plus for the safety of the operation team and customers alike, as well as contributing significantly to sustainability goals.

Cost saving

The costs of maintaining water hygiene can be a challenge for any pool leisure facility. Hyprolyser® can help to reduce those costs. The salt used is readily available and inexpensive and the efficiency of the vacuum-metering technology is highly effective, making Hyprolyser® an attractive and economical solution to disinfection needs.

Powerful in practice

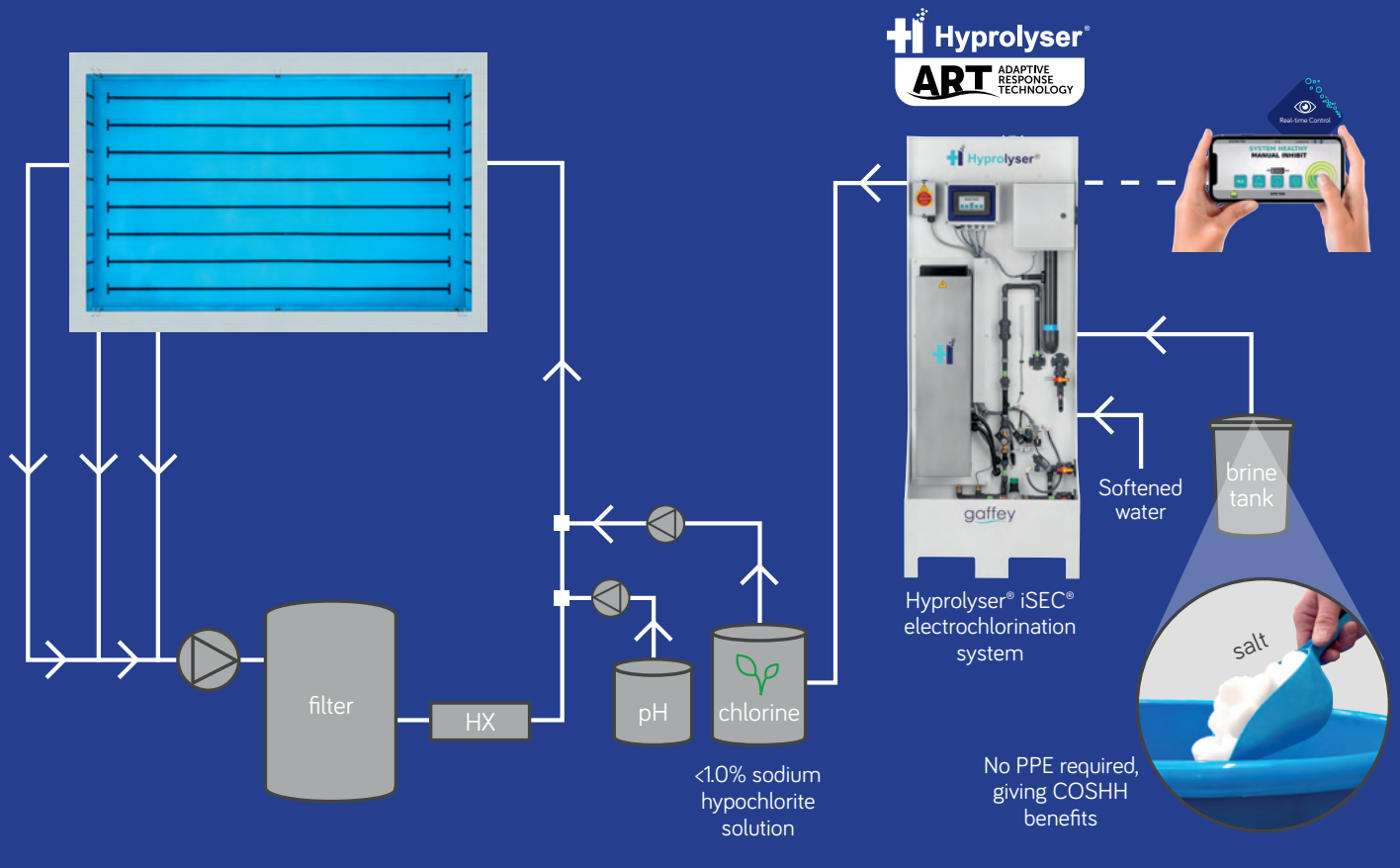
Although compact in size, Hyprolyser® iSEC® systems can provide ample chlorination for the largest of facilities. Simple plug-and-play technology allows easy integration into existing pool plant systems. Operation and maintenance are simplified with automated product tank filling and a colour changing LED backlight that illuminates to clearly display normal operation. The touch-screen display is simple to understand and use and with remote access monitoring and control available, managing tasks is easy whether on or off site.

Longevity assured

Hyprolyser® iSEC® is robust and manufactured to the highest standards and carries a 2-year manufacturing defect warranty. The electrolyser units are built with high quality electrodes and carry a 5-year warranty. With simple maintenance cycles, Hyprolyser® iSEC® systems are set to last.

Certified and compliant

Hyprolyser® is made in Britain to exacting ISO9001 standards and is compliant under GB Biocidal Product Regulations, ensuring peace of mind for the owner and operator alike.



Key Benefits



Sustainable

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 and maintenance costs. Long service life means low total cost of ownership.



Simple to use

Fill saturator with harmless, readily available salt. No remedial maintenance of chlorine injector needed. No technical intervention required by the operator. No chemical handling.



Low maintenance

Smart design and robust engineering require only simple, minimal periodic maintenance. Service contracts are available through our trusted network of Hyprolyser® trade partners.



Reliable

Annual test and inspection. 2-year service interval. 2-5 year warranty. 6-8 year typical electrolyser life, +15 years system life span.



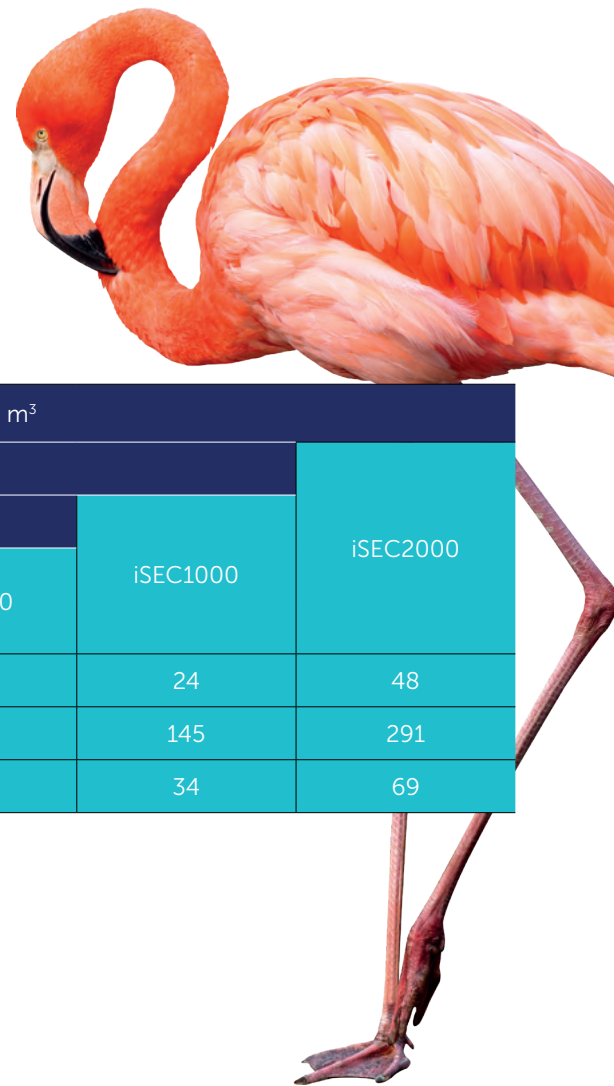
Safe, low hazard system

Delivery and storage of salt, no toxic dangers to staff or neighbours? in transit or storage. No hazardous waste disposal. Excellent compliance to COSHH regulation.



Technical Data

Power consumption	4.0 – 5.0 kWh/kg Cl ₂
Salt consumption	3.0 – 3.5 kg/kg Cl ₂
Sodium hypochlorite strength	0.6% ± 0.1% Cl ₂
Weight	Max. 165kg
Supply voltage	model dependent 110VAC to 460VAC



The Hyprolyser® iSEC® is available in the following capacities.

Approx. Capacity	Total of Pool Volume(s) m ³				
	4000				iSEC2000
	2000			iSEC1000	
	1000		iSEC500		
	500	iSEC250			
Equivalent chlorine per day	Chlorine gas, kg	6	12	24	48
	Sodium hypochlorite 14%, L	36	73	145	291
	Calcium hypochlorite 70%, kg	9	17	34	69

Gaffey Technical Services Ltd.
Unit 3a Newhouse Road,
Huncoat Business Park,
Accrington, Lancashire BB5 6NT

Gaffey Technical Services Ltd.
call **+44 (0) 1254 350180**

email info@gaffeytechnology.com
or visit www.gaffeytechnology.com

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