iPOOLOR®

On site chlorine generator by saltwater chlorination

Production capacity : 70 to 560 g/h

Pool TECHNOLOGIE

La FRENCH FAB

BENEFITS

On site technology: off-line chlorine production without adding salt to the pool

4 models for a production from 70 to 560 g/h

Storage of the sodium hypochlorite solution in a tank secured by level sensors

Easy to install: pre-wired unit in the factory and pre-mounted on a frame (depending on the model), ready to connect to the hydraulic system

Simplified maintenance: easy access to sub-assemblies for maintenance operations

Hydrogen (H2) evacuation system (depending on the model)

Low salt consumption: 3Kg of salt are sufficient to produce 1Kg of active chlorine

Soft and odourless water

Eco-friendly solution

Ideal for corrosion-sensitive pools

Negligible salt content in waste water

100% automatic and easy to use

Connect Pro
Remote viewing of device settings, alarms and event log

FEATURES

- **Smart Power:** current monitoring ensuring stable chlorine production
- **Self-cleaning cell(s)** with adjustable polarity inversion
- **Boost mode** until the storage tank is 100% full
- **Multilingual communication interface**
- **Alarms indicated by written message:** lack of water, low salt, cell fault, pump fault, water temperature
- **Display of hypochlorite temperature**
- **Log of events**
- **Self-diagnostic program** for easy maintenance

AN EFFICIENT AND INNOVATIVE PRINCIPLE

The system
is permanently supplied with mains water connected to a softener (1) (single or double depending on the model). The softened water will feed the brine tank (2) and the production circuit (4).

The brine tank (2)
is fed by the softened water coming from the softener and allow the blend with the salt previously poured at the bottom of the tank. The salt used must comply with one of the 4 standards thereafter: NF EN 973 Quality, NF EN 14805 Type 1 - NF EN 16401 Quality A - NF EN 16370

The dosing pump (3)
will inject the brine created at the entrance of the production circuit (4). This brine is mixed with softened water before entering the production cells (5).

The mixture obtained
is injected into the production cells (5), through which an electric current flows. Based on the same principle as saltwater chlorination, the cells will create a naturally chlorinated solution: sodium hypochlorite.

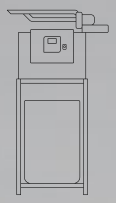
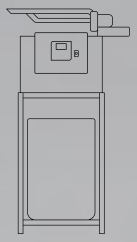
The hydrogen
lighter than air, generated during production will be evacuated to the outside of the room with the help of a turbine (6) for models with a production greater than or equal to 280 g/h. A hydrogen extraction system is available as an option on models 70 and 140 to complete the safety in the technical room.

The solution created
is poured into a storage tank (7) secured by level sensors. The volume of the storage tank varies according to the model. Average concentration: 6-8 g/L of active chlorine.

The control and production unit (8)
controls all the modules. The box controls the production reactor, manages the levels and the safety devices, allows to program the production periods in a simple and intuitive way thanks to a simple menu architecture.

Consult the parameters of your pools remotely
Remote pool management with Connect Pro: thanks to a simple connection to the local network, you can centralise all the information on the operating status of the installations.



iPOQLOR® models	**iPOQLOR70**	**iPOQLOR140**	**iPOQLOR280**	**iPOQLOR560**
Reference	PURE230EM70	PURE230EM140	PURE230EM280	PURE230EM560

PRODUCTION SPECIFICATIONS

Maximum production (L/h)	9	17.5	35	70
Active chlorine maximum production (g/h)	70	140	280	560
Active chlorine maximum production per day (kg/day)	1,7	3,4	6,7	13,4
Active chlorine concentration (g/L)		6-8		
Calcium hypochlorite equivalent 68%. (kg/day)	4	8	16	32
Liquid chlorine equivalent 48° chl (L/day)	11	22	44	88
Hydrogen generation (L/h)	24	48	95	190

GENERAL CONSUMPTIONS

Water (L/l)	9	17,5	35	70
Salt (with softener) (g/h)	225	450	900	1800

1 KG ACTIVE CHLORINE PRODUCTION CONSUMPTIONS

Electricity (kW)	3,75
Certified biocide salt (kg)	3,1
Softened water (L)	125

CONDITIONS OF USE

Environmental temperature (°C)	< 40
Input water temperature (°C)	< 20
Room humidity (%)	< 85
Input water hardness (with softener) (°f)	< 10
Pressure (bar)	1 to 3

CARACTERISTICS

Frame dimensions (WxDxH mm)	765 x 717 x 230		900 x 2138 x 790	
Weight (kg)	70		150	200
Production tank and retention tank material	UV-treated polyethylene			
Prodction tank volume (L)	100	250	500	1000
Brine tank volume (L)	100		200	

ELECTRICAL SPECIFICATIONS

General supply	230 V - 50/60 Hz	230 V - 50/60 Hz	230 V - 50/60 Hz	230 V - 50/60 Hz
Earth resistance (Ohm)	< 20			
Internal circuit breaker rating (A)	6		15	20
Section of the general supply cable	3G 1,5		3G 2,5	
Length of main power cable (m)	2,5			
Maximum power (kW)	0,4	0,8	1,6	3,2
Mains current rating (A)	1,25	2,5	5	10
Maximum current on mains (A)	2,1	4,2	8,4	16,8
Maximum current on each electrode (A)	< 20			
Voltage on each electrode (V)	< 20			

EQUIPMENTS / FEATURES

Number of electrodes	1	2	4	8
Operation modes	Automatic and programmable operating ranges			
Communication	Connect Pro remote control			

Volumes and sizes can be modified as an option. The specifications of the PC070 are not definitive and may be subject to change

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