

PISCINADIMARE.IT

la soluzione salina



ReChlorSystem®

Self cleaning chlorinators with inbuilt pH, Redox, Tds, and chlorine indirect readout for residential swimming pools



Self cleaning chlorinator for residential swimming pools

Unique Pool Water Treatment Technology

The ReChlorSystem is a self-contained swimming pool purification system that utilizes a natural process to generate pure chlorine. The electrolytic process uses a very low concentration of salt (less than a teaspoon per gallon) and generates free chlorine. The chlorine continuously kills bacteria and algae and then reverts back to salt. This indefinite cycle leaves the water feeling silky, soft, refreshing and sparkling clear. The ReChlorSystem is an easy, economical, and fully automatic pool water treatment system. The ReChlorSystem is carefully engineered to monitor your pool chemistry on a daily basis and give you the freedom and enjoyment every pool owner deserves. This residential controller is specifically designed to automatically adjust pH and sanitizer levels and keep the pool safe and healthy.

Model	Chlorine output	Voltage	Amperage	Pool size (hot climate)
ReChlorSystem40	40 gr./Hr.	24 Vdc	10 Amps	70 cubic meters
ReChlorSystem80	80 gr./Hr.	24 Vdc	20 Amps	120 cubic meters
ReChlorSystem120	120 gr./Hr.	24 Vdc	30 Amps	170 cubic meters
ReChlorSystem160	160 gr./Hr.	24 Vdc	40 Amps	210 cubic meters

Suitable for fresh water (5 grams Salt/liter) And for seawater

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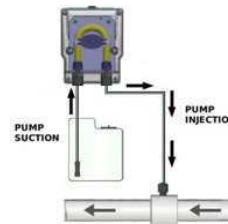


Features

- *Inbuilt pH control and readout with peristaltic 4 lt./Hr. pump*
- *Inbuilt Orp control and readout*
- *Salinity alarms*
- *Chlorine algorithm*
- *Proportional Chlorine output (P.I.D.) from Redox readout*
- *End product level alarm*
- *Flow sensor input*
- *Level probe input*
- *4-20 mA input for external analyzer*
- *Fully programmable software*
- *PT100 temperature sensor input (optional sensor)*



Control unit



- *General ON / OFF green bright*
- *Automatic ramp of slope of the tension/current adjustable*
- *Electronic limitation of current at maximum value of the rectifier in the case of overload or short-circuit*
- *linear adjustment of voltage or current from 5 to 100% of power, by control panel, maintaining the preselected value stabilized with a percentage of +/- 1%;*
- *Transformer of power and secondary to IGBT with bridge whole connection with impedance of leveling, largely norms dimension CEI EN 61558 2-6 with class of isolation H and class of temperature F*
- *Adjustment unit with thyristors, connected to the secondary of the transformer, adjusted by highly reliable electronic actuation*
- *Tropicalized components*
- *10 % tension ripple*

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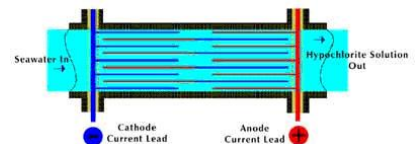
Cells



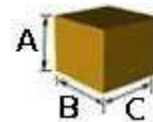
- Commercial grade titanium cell plates coated with precious metals
- Clear cell housing allows user to easily inspect cell for
- Reverse polarity keeps cell clean and prevents scaling
- Flow sensor

Protections

- Over temperature
- Maximum current of short-circuit
- Over-voltage
- excess voltage min. – max. (POWER SUPPLY)



Dimensions and Weights



40 A / 24 V:	WIDTH = 320 mm	DEPTH = 300 mm	HEIGHT = 500 mm	Kg. 20
30 A / 24 V:	WIDTH = 320 mm	DEPTH = 300 mm	HEIGHT = 500 mm	Kg. 15
20 A / 24 V:	WIDTH = 320 mm	DEPTH = 300 mm	HEIGHT = 400 mm	Kg. 12
10 A / 24 V:	WIDTH = 320 mm	DEPTH = 300 mm	HEIGHT = 400 mm	Kg. 8

Feeding: Mono phase 230 Vs 50/60 Hz +/- 10%

Rating of line in ampere:

40 A / 24 V = 6 A

30 A / 24 V = 4,5 A

20 A / 24 V = 3 A

10 A / 24 V = 1,5 A

KW/h:

40 A / 24 V = 1,35 KW

30 A / 24 V = 1,00 KW

20 A / 24 V = 0,68 KW

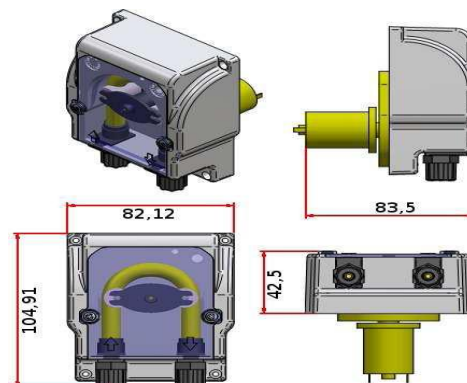
10 A / 24 V = 0,34 KW





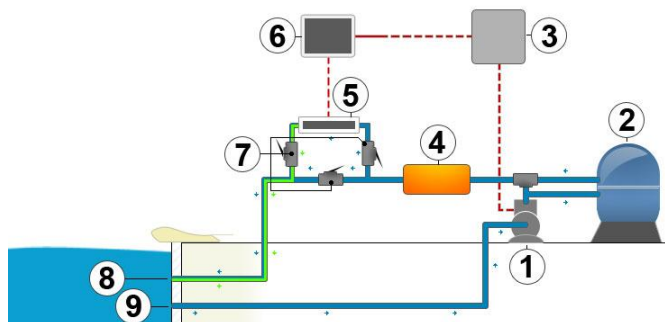
pH control pump

- Peristaltic Fixed flow pump
- Small dimensions
- Easy installation and minimal maintenance.
- PP box reinforced 30% talk.
- Automatic priming
- Security and reliability.
- Polycarbonate front panel.
- Panel Mounted
- Roller holder in PBT
- Rollers in Derlin (self lubricant)
- Standard Power Supply



Installation

- 1 Pump
- 2 Filter
- 3 Power
- 4 Heater
- 5 cell
- 6 control unit
- 7 Valves
- 8 Outlet
- 9 Inlet



Normative

- All the commands of control and maneuverings are to low tension (24V ac) and correspondents to the normative: CEI EN 60204 electric equipment of the machines, 2006/95 CE directive low tension and following
- The closet is in steel, painted with dusts anti-acid RAL 5015
- The service is continuous at 100%
- All the power supplies expose the mark CE
- Net isolation 2500 Vrms
- Noisiness below the 75 db
- Temperature max.: 40 °C
- Damp max.: 85%
- Protection against over-temperature group of regulation and group diode
- Automatic interrupters magneto thermal of protection encircled auxiliary
- EMC 2004/108 CE electromagnetic and following compatibilities
- RoHS Compliant