BrightBlue

NEWS

P:100% ORP:700mV
S:5gr Temp:+20C

BrightBlue

NEW

3G/L - TO SEA WATER

COLIBRI & PLUMA CC

SALT ELECTROLYSIS

LOW SALT

0.5 g/l

P:100% ORP:700mV
S:0.5g Temp:+20C

BrightBlue

NEW

ELECTRAL

FRESH WATER ELECTROLYSIS

EZ 1

EZ 2

POOL .APP

CHLORINE

750
mV

PH

7,2

WATER PRESSURE

1
bar(s)
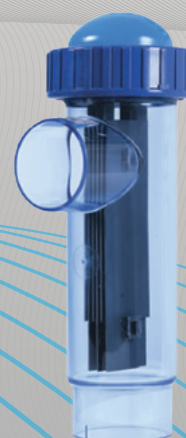
REMOTE CONTROL - WIFI

APP ANDROID & IOS

INDEX

INTRODUCTION

SMART WATER TREATMENT

Bright Blue is a rapidly growing company with a network of over 200 national and international distributors and retailers, and actively contributes to improving the quality of water of pools and to a greener and environmentally friendly society

COMPANY

Since its foundation in 2008 we are proud to be the largest Portuguese manufacturer of automatic equipment for the treatment of swimming pool's water and a leading brand with respect to quality, innovation, durability and customer service.

SUPERIOR QUALITY

The components used in the manufacture of Brigh Blue equipment are carefully chosen from the best suppliers worldwide, always focusing on the European and American technology and providers. All models are 100% manufactured in Portugal and subject to rigorous stress testing and rigorous quality control by the technical team of Bright Blue. All machines are tested in the factory in real working situation for a period of 48 hours before being sent to its customers, thus ensuring a proper functioning of all equipment provided. In Bright Blue quality is a point of honour!

INNOVATION

It is part of Bright Blue genesis the creation of innovative equipment, with the latest technology and unique features. We were the first to automate the treatment depending on the water temperature, pioneers in the introduction of remote control equipment and the world's first manufacturer to present a fresh water electrolysis system.

DURABILITY

All Bright Blue models are conceived to grant a lifetime of 15 to 20 years and the wearable components, such as the electrolytic cells, are prepared to guarantee a considerable durability, longer than the other models available in the market.
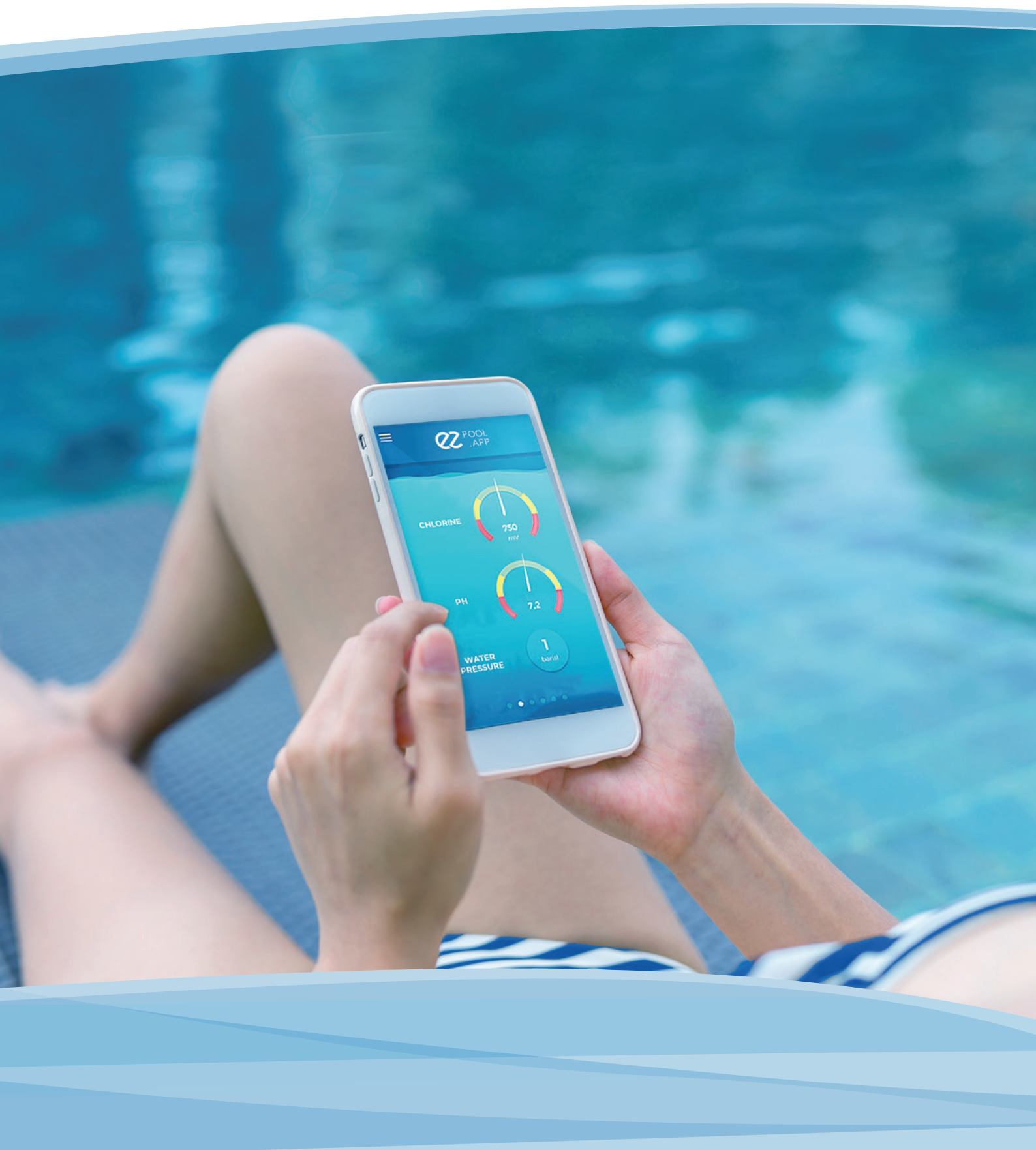
AFTERSALES SUPPORT

Bright Blue has a highly specialised technical team, with a high level of expertise, and a fast, effective and economic response. All our products are supplied with generous warranties.

REMOTE CONTROL - WiFi

CONNECT
SIMPLIFY
ECONOMIZE

ez POOL .APP

Innovative System that allows you to monitor and control any type of pool and it's installed equipment, regardless of brand, type or model. 100% compatible with equipments already installed.

ENERGY CONTROL
Control your consumption and save energy.

REMOTE UPDATE
Take advantage of automatic updates.

TECNOLOGICAL CONTROL
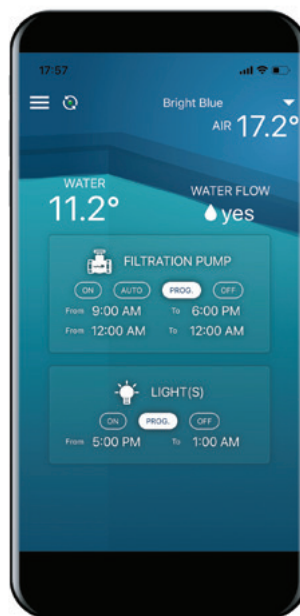Control all your engine room devices from a single mobile application.

ECO FRIENDLY
Controls and reduces the environmental impact of your pool.

TOP QUALITY SERVICE
Benefit from a personalized monitoring.

Click here to know the concept

PACK EZ1 INCLUDES:

- A remote control box with WIFI connection
- One power cable
- One air temperature prober
- One water temperature probe
- One flow detector

FUNCTIONALITIES

- WIFI Connection
- Air and water temperature information
- Water flow information
- Filtration pump management
- Management of your pool's lighting
- Possibility of manage several pools

GET IT ON Google Play

AVAILABLE ON THE App Store

EZ 1

L 142mm X A 190mm X P 70mm

Learn more about
the features

PACK EZ2 INCLUDES:

- One EZ2 box to connect to EZ1
- ONE Redox Probe
- One pH probe
- One pressure sensor

FUNCTIONALITIES

- Control of chlorine level, pH and water pressurea
- Management of fibration pump in automatic mode
- Water treatment equipment management
- Checking the opening or closing of the pool cover
- 3 dry contacts to control:

  - Heat pump
  - Garden lighting
  - Pool Robot
  - Water fall
  - Counter-current

EZ 2

L 142mm X A 190mm X P 70mm

Click here to know
the concept

SALT WATER ELECTROLYSIS
WATER WELL TREATED

BENEFITS AND EDGES

HEALTH AND WELNESS

> Avoids the use and handling of harmful chemicals

> Salt concentration lower than a tear

> Does not manage the hair, skin and skin suits

> Ends with skin and eye irritation

> Softer and more comfortable water

> Easy to use, just add salt in the pool

> Eliminates chlorine smell

SAFETY

> No electrical hazard to users

> Operates at a very low voltages less than 13v

> Prevents handling and storage of toxic and corrosive chemicals

> Avoid chlorine excesses or deficits in the water

SUSTAINABILIY AND SAVINGS

> Total elimination of chemical consumption (except pH minus)

> Allows for a better water conservation reducing its consumption

> Simpler, faster and more economic maintenance of the pool

> Closed-loop process that minimizes the consumption of salt

> State-of-the-art technology with reduced power consumption

> Healthier and environmentally friendly system

| PRODUCT DESCRIPTION	PLUMA	COLIBRI	BIRDIE
Electronic Enclosure	Polycarbonate	Polycarbonate	Fiberglass
Display	Digital	Digital	Digital
Production Control	20 Levels	20 Levels	100 Levels
Electrolysis time counter	✔	✔	✔
Input connection to external controller	✔	✔	✔
On-off button	✔	✔	✔
Cover detector	✔	✔	✔
Inversion polarity regulation / self cleaning electrolysis cell	✔	✔	✔
Water temperature indication ºC	✔	✔	✔
Automatic adjustment of chlorine output according to water ºC	✔	✔	✔
Automatic pH control	Optional	Optional	✔
Automatic filtering pump control			✔
Swimming pool lights control			✔
Heat pump control			✔
Electrical switchboard (timer + contactor + thermal relay)			✔
Automatic water level control			Optional
Automatic measurement of chlorine level in the pool (ORP/Redox)	Optional	Optional	Optional
Low salt alarm	✔	✔	✔
AUTOMATIC EQUIPMENT STANDBY			
Caused by lack of water in the cell	✔	✔	✔
Caused by gas accumulation in the cell	✔	✔	✔
Caused by power overload	✔	✔	✔
Caused by overheating	✔	✔	✔
Caused by water temperature bellow 12º C	✔	✔	✔
Caused by the thermal relay trip			✔
TECHNICAL CHARACTERISTICS			
Warranty	2 Years	5 years - electronics / 4 years - cell	
Equipment power	220-240Vac 50-60Hz		
Estimated lifetime of electrolysis cell	10.500 h	15.000 h	12.500 h
Salinity range	Minimum 3g/l - (seawater) 35g/l		5g/l
Production capacity	10 to 30 g/h	10 to 40 g/h	

INSTALLATION DIAGRAM
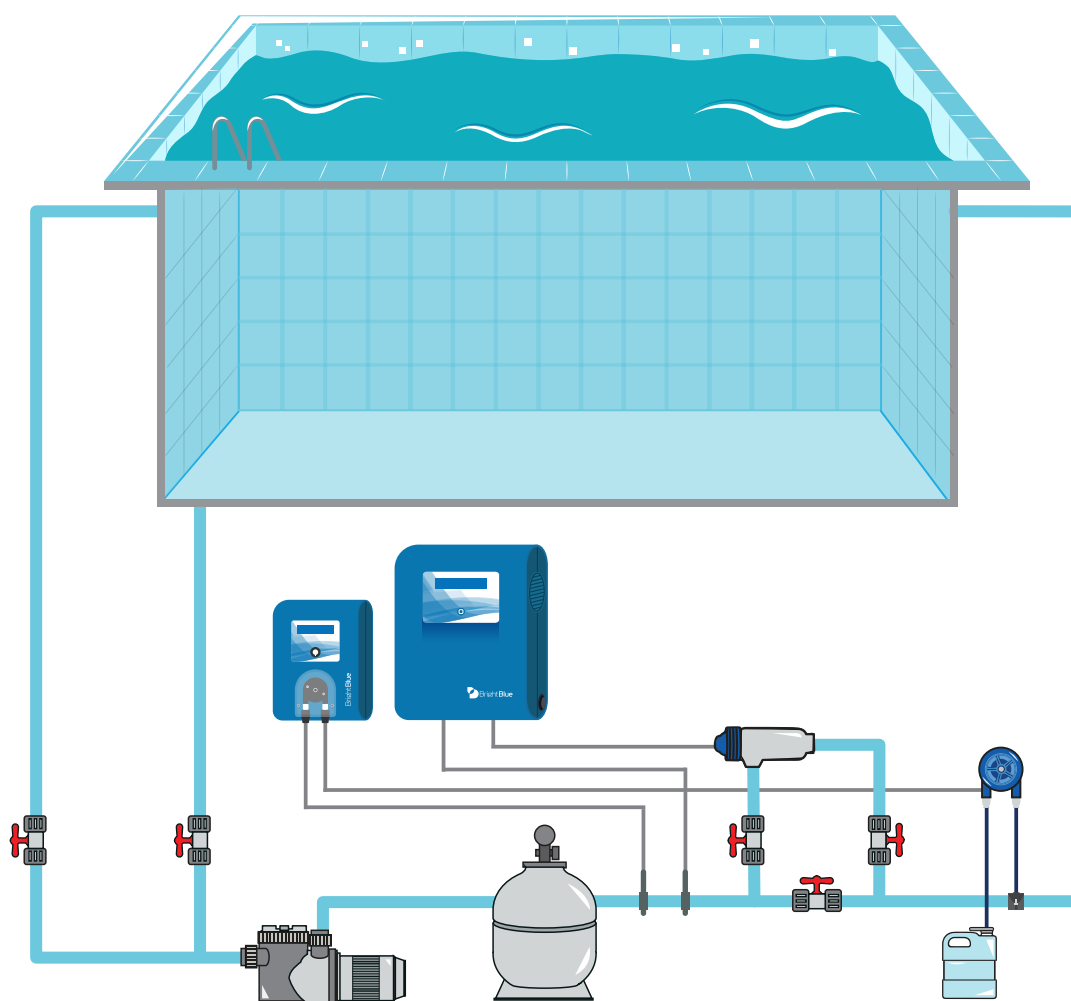
INSTALLED IN LINE WITH ANY TRADITIONAL FILTERING SYSTEM AND COMPATIBLE WITH ALL TYPES OF SWIMMING POOLS

CELL, ENCLOSURE AND PCB BOARDS

HIGH RESISTANCE ELECTRONICS ENCLOSURE

NON-HYGROSCOPIC MATERIAL Minimal absorption of water

AUTO EXTINGUISHABLE Flame retardant material and halogen free

LIGHT Easy to handle & "user friendly"

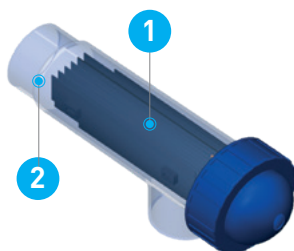**FAST AND MODULAR ASSEMBLY** Plug & Play no special tools needed

RESISTANT TO HARSH CLIMATES Humid environments and high temperatures

HIGH IMPACT STRENCHT Supports up to 150 kg in weight

SINGLE BUTTON CONTROL • POLYCARBONATE ENCLOSURE • LCD FRONT PANEL • SIMPLE AND INTUITIVE MENU
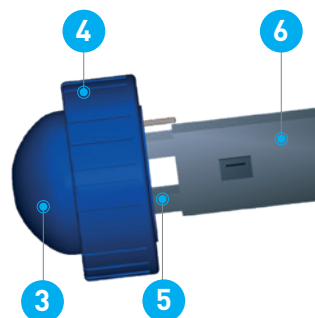
ELECTROLYSIS CELL

1 High efficiency cell 1A=2 g/h

2 Transparent cup for better visibility of the electrodes. Resistant pressure 5 Bar.

3 Terminal protective cover to prevent oxidation

4 PVC locknut easy to handle

5 Full titanium plates without welding points

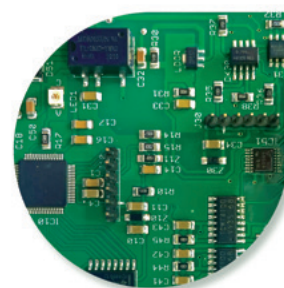**6** Long life titanium electrodes

BETTER HANDLING • BETTER PERFORMANCE • LONGER LIFE • MINOR SIZE • BETTER DESIGN

PCB BOARD

DESIGN 100% designed and engineered at Bright Blue

ELECTRICAL ROBUSTNESS Tested for use in industrial environment - 4 KV / 100 kHz
(according to IEC 61000-4-4 and EN 61000-4-4)

PHYSICAL ROBUSTNESS Double protection against humidity and corrosion

> PRIVATE POOL

PLUMA CC

Salt water chlorinator with automatic production depending on chlorine reading (ORP) and water temperature. Digital display and highly resistant polycarbonate enclosure. Production capacities from 10 to 30 g/h. Ideal for private pools up to 160 m³.

- Latest generation power supply, with higher performance, low electrical consumption and fully waterproof (IP67 protection)
- Works with any kind of salinity from 3 g/l to sea water (35g/L)
- A single command button and side switch to turn on and off
- New ultra-efficient electrolysis cell with 10.500h life span
- Large LCD display with simple and intuitive menu
- Temperature probe with automatic hibernation function
- Electronic flow and coverage detector
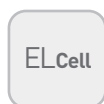- Lightweight, compact and easy to install system

| Specifications |

Power Supply: 220/240VAC 50/60Hz
Cell: Self cleaning monopoly MMO coating
Cell Assembly: Vertical and horizontal
Cell Connections: ø63mm or ø50 mm (reduction rings included)
Cell lifetime: 10.500h*
Salinity Range: 3 to 35 g/l (sea water)
Water Flow: From 5 m³/h to 30 m³/h
Water Pressure: Tested at 5 Bar
Water Temperature Range: From 12ºC to 40ºC
Room Temperature: Tested at 50ºC
Reverse Polarity: 3h to 8h
Cooling: Forced with ventilation
Warranty: 2 Years

L275mm X A285mm X P125mm   A315mm   ø63mm

* Lifetime can vary based on the salinity level, reverse polarity running cycle and water chemical balance.

ELCell	10.500	KG	PCBox	⚡	2 YEARS	NEW °C	OPTIONAL ORP
Extended LIFE Cell	Hours	Low Weight	Policarbonate Box	Low Consumption	Warranty	Temperature Sensor	ORP Control

PLUMA CC MODELS
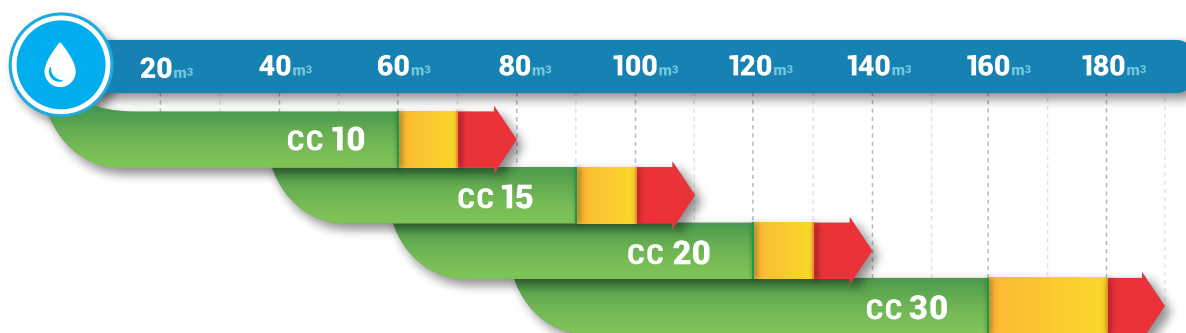
CODE	MODEL	POOL WITH VOLUME UP TO M3
CODE 100002155	MODEL Pluma CC 10	POOL WITH VOLUME UP TO M3 60
CODE 100002156	MODEL Pluma CC 15	POOL WITH VOLUME UP TO M3 90
CODE 100002157	MODEL Pluma CC 20	POOL WITH VOLUME UP TO M3 120
CODE 100002158	MODEL Pluma CC 30	POOL WITH VOLUME UP TO M3 160

COLIBRI CC

Advanced salt water chlorinator with automatic production depending on chlorine reading (ORP) and water temperature. Production capacities from 10 to 30 g/h. Ideal for private pools up to 240 m³.

> Latest generation power supply, with higher performance, low electrical consumption and fully waterproof (IP67 protection)
> Works with any kind of salinity from 3 g/l to sea water (35g/L)
> A single command button and side switch to turn on and off
> New ultra-efficient electrolysis cell with 15.500h life span
> Large LCD display with simple and intuitive menu
> Temperature probe with automatic hibernation function
> Electronic flow and coverage detector
> Lightweight, compact and easy to install system
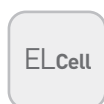
| Specifications |

Power Supply: 220/240VAC 50/60Hz
Cell: Self cleaning monopoly MMO coating
Cell Assembly: Vertical and horizontal
Cell Connections: ø63mm or ø50 mm (reduction rings included)
Cell lifetime: 15.000h*
Salinity Range: 3 to 35 g/l (sea water)
Water Flow: From 5 m³/h to 30 m³/h
Water Pressure: Tested at 5 Bar
Water Temperature Range: From 12ºC to 40ºC
Room Temperature: Tested at 50ºC
Reverse Polarity: 3h to 8h
Cooling: Forced with ventilation
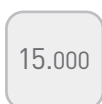**Warranty:** 5 Years Electronic / 4 Years Cell

L275mm X A285mm X P125mm   A315mm   ø63mm

* Lifetime can vary based on the salinity level, reverse polarity running cycle and water chemical balance.

ELCell	15.000	KG	PCBox	⚡	5/4 ANOS	°C	OPCIONAL ORP
Extended LIFE Cell	Hours	Low Weight	Policarbonate Box	Low Consumption	Warranty	Temperature Sensor	ORP Control

| 20m³ | 40m³ | 60m³ | 80m³ | 100m³ | 120m³ | 140m³ | 160m³ | 180m³ | 200m³ | 220m³ | 240m³ |

CC 10
CC 15
CC 20
CC 30
CC 40

COLIBRI CC MODELS
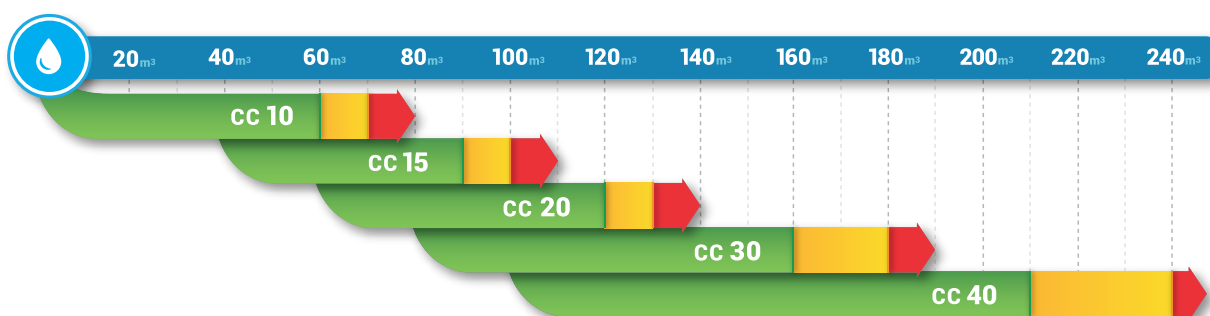
CODE	MODEL	POOL WITH VOLUME UP TO M3
CODE 100002159	MODEL Colibri CC 10	POOL WITH VOLUME UP TO M3 60
CODE 100002160	MODEL Colibri CC 15	POOL WITH VOLUME UP TO M3 90
CODE 100002161	MODEL Colibri CC 20	POOL WITH VOLUME UP TO M3 120
CODE 100002162	MODEL Colibri CC 30	POOL WITH VOLUME UP TO M3 160
CODE 100002163	MODEL Colibri CC 40	POOL WITH VOLUME UP TO M3 210

ELECTRAL 0,5g/l

NEW

Fresh water chlorinator with digital display, temperature sensor and highly resistant polycarbonate enclosure. Ideal for indoor pools with metallic elements affected by salt.

> Works with a concentration of mineral salts between 0.5 and 1.5 g/l
> Switching power supply for less heat and higher performance
> Self cleaning titanium monopoly cell with high production efficiency
> Central command button and on-off side switch
> Standby input contact for external controllers
> LCD front panel with automatic wintering function
> Temperature sensor with automatic wintering function
> Electronic cover and flow detector
> Adjustable sanitizer output from 0% to 100% in 5% intervals
> Electronic electrolysis time meter
> More compact, lighter and easier to install

LOW SALT
0,5 g/l

| Specifications |

Power Supply: 220/240VAC 50/60Hz
Cell: Self cleaning monopoly MMO coating
Cell Assembly: Vertical and horizontal
Cell Connections: ø63mm or ø50 mm (reduction rings included)
Cell lifetime: 6.000h*
Salinity Range: 0.5 to 1.5 g/l (10% of standard chlorinators)
Water Flow: From 5 m³/h to 30 m³/h
Water Pressure: Tested at 5 Bar
Water Temperature Range: From 12ºC to 40ºC
Room Temperature: Tested at 50ºC
Reverse Polarity: 3h to 8h
Cooling: Forced with ventilation
Warranty: 2 Years

L275mm X A285mm X P125mm

A315mm   ø63mm

*Lifetime can vary based on the salinity level, reverse polarity running cycle and water chemical balance.

6.000	KG	AUTO	PCBox	⚡	2 ANOS	℃	ORP OPTIONAL
Extended LIFE Cell	Hours	Low Weight	Policarbonate Box	Low Consumption	Warranty	Temperature Sensor	ORP Control

| | 10m³ | 20m³ | 30m³ | 40m³ | 50m³ | 60m³ | 70m³ | 80m³ | 90m³ | 100m³ |

Electral 15
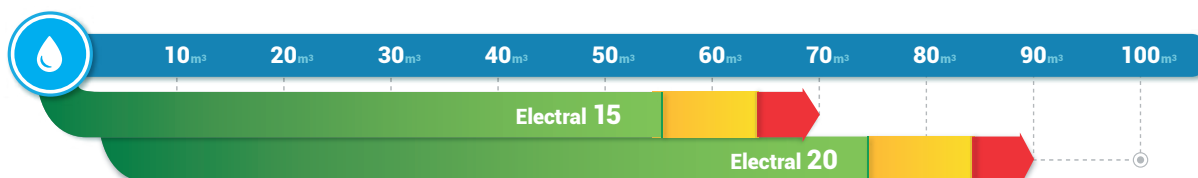
Electral 20

ELECTRAL MODELS

CODE 100002165	**MODEL** Electral 15A	**CORRENT IN THE CELL** 15A
CODE 100002166	**MODEL** Electral 20A	**CORRENT IN THE CELL** 20A
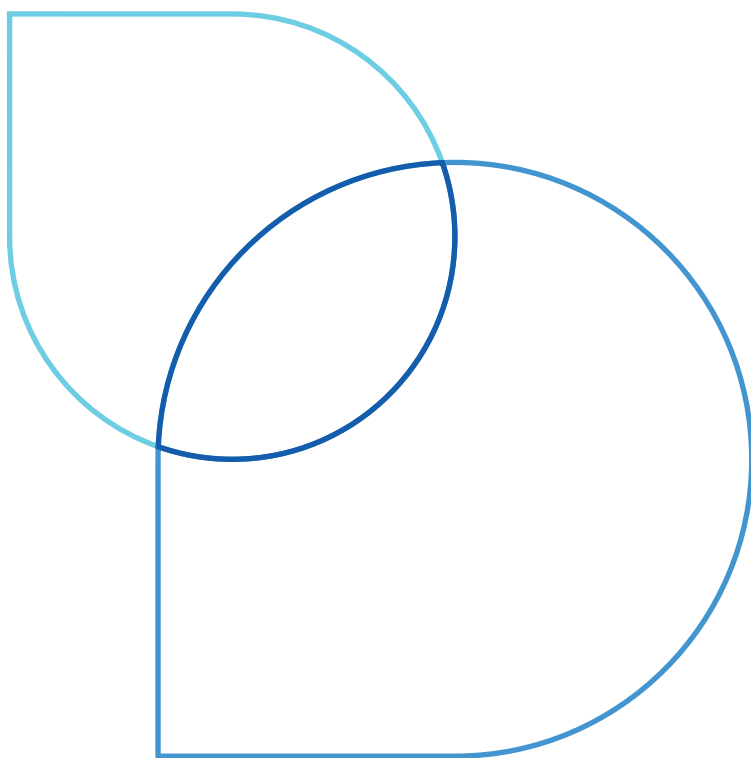
PUBLIC POOL

PUBLIC POOL

STANDARD EQUIPMENT

For pools with large volume, Bright Blue proposes models COLIBRI PRO and BIRDIE PRO that come equipped with electrolysis cells specially conceived for commercial pools, with production capacities from 60 g/h to 60 g/h

TAILOR MADE SOLUTIONS

We can also offer our tailor-made solutions to meet the needs of any large pool, such as hotels, sports clubs, water parks, public pools and ornamental fountains.

> If you have a specific need that is not part of our standard solutions do not hesitate to contact us

EQUIPMENT SELECTION GUIDE FOR COMMERCIAL POOL

POOL VOLUME m³	100	200	300	400	500
Minimum equipment	PRO 60G	PRO 60G	PRO 60G	PRO 80G	PRO 80G
100 users/day	PRO 80G	PRO 120G	PRO 120G	PRO 120G	PRO 160G
200 users/day		PRO 60G + PRO120g	PRO 80G + PRO 120g	PRO 80G + PRO 120g	PRO 80G + PRO 160g
300 users/day			PRO 120G + PRO 160g	PRO 120G + PRO 160g	PRO 160G + PRO 160g
400 users/day				PRO 160G + PRO 160g	tailor made
500 users/day					tailor made

COLIBRI PRO

Advanced salt water chlorinator with digital display, temperature sensor and highly resistant fiberglass enclosure. Production capacities from 60 to 160 g/h, ideal for large volume commercial pools.
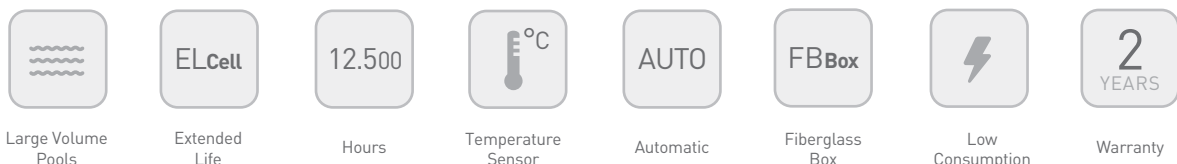
> Self cleaning titanium monopolar cell with self-cleaning and production efficiency 35% higher than bipolar cells
> Switching power supply for less heat and higher performance
> Central command button and on-off side switch
> Standby input contact for external controllers
> LCD front panel with automatic wintering function
> Temperature sensor with automatic wintering function
> Electronic cover and flow detector
> Cells with the longest life available on the market
> Adjustable sanitizer output from 0% to 100% in 5% intervals
> Electronic electrolysis time meter
> More compact, lighter and easier to install

| Specifications |

Power Supply: 220/240VAC 50/60Hz
Cell: Self cleaning monopoly MMO coating
Cell Assembly: Vertical and horizontal
Cell Connections: ø63mm or ø50 mm (reduction rings included)
Cell lifetime: 12.500h* (longest in the market)
Salinity Range: 3 to 5 Kg/m3 (possible adjustment)
Water Flow: From 5 m³/h to 30 m³/h
Water Pressure: Tested at 5 Bar
Water Temperature Range: From 12ºC to 40ºC
Room Temperature: Tested at 50ºC
Reverse Polarity: 3h to 6h
Cooling: Forced with ventilation
Warranty: 2 Years
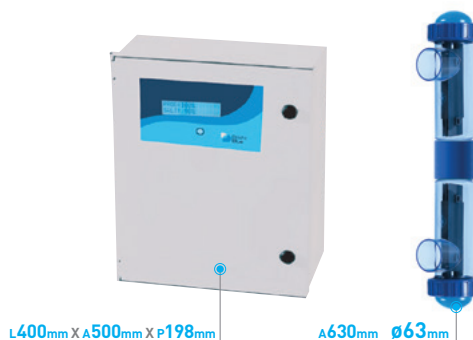
L400mm X A500mm X P198mm   A630mm   ø63mm

*Lifetime can vary based on the salinity level, reverse polarity running cycle and water chemical balance.

| Large Volume Pools | ELCell Extended Life | 12.500 Hours | °C Temperature Sensor | AUTO Automatic | FBBox Fiberglass Box | Low Consumption | 2 YEARS Warranty |

CL 60 g/h   CL 80 g/h   CL 120 g/h   CL 160 g/h

COLIBRI PRO MODELS

CODE	MODEL	POOL VOLUME
100001174	Colibri Pro 60G	60 g/h
100001175	Colibri Pro 80G	80 g/h
100001176	Colibri Pro 120G	120 g/h
100001177	Colibri Pro 160G	160 g/h

BIRDIE PRO

Multiparameter system that combines electrical switchboard, salta electrolysis, salt chlorination and pH regulation, lights control and heating in one device. Ideal for private, public and commercial pools.

> **WinterSave TM** - auto reduce weakly cycles period if water is < 15ºC
> **Power Boost TM** - auto increase the daily cycle period if water is > 25º
> **IntelliFilter TM** - auto running cycle calculation based on water ºC
> Electronic heating Kit for automatic water heating control
> Electronic Lights Kit for automatic pool lights control
> Water Level Kit for automatic water level regulation (optional)
> ORP Kit for automatic chlorine level regulation (optional)
> Peristaltic or electromagnetic ph injection pump
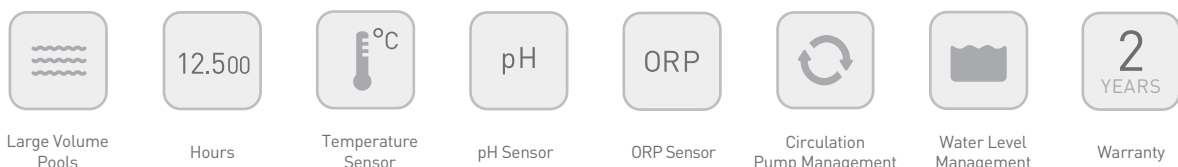> Electronic cover and flow detector
> Electronic electrolysis time meter

> * (up to 50% energy savings during the winter period)

| Specifications |

Power Supply: 220/240VAC 50/60Hz
Cell: Self cleaning monopoly MMO coating
Cell Assembly: Vertical and horizontal
Cell Connections: ø63mm or ø50 mm (reduction rings included)
Cell lifetime:12.500h* (longest in the market)
Salinity Range: 3 to 5 Kg/m3 (possible adjustment)
Water Flow: From 5 m³/h to 30 m³/h
Water Pressure: Tested at 5 Bar
Water Temperature Range: From 12ºC to 40ºC
Room Temperature: Tested at 50ºC
Reverse Polarity: 3h to 8h
**Cooling:** Forced with ventilation
Warranty: 2 Years

L 400mm X A 500mm X P 198mm   A 630mm   ø 63mm

* Lifetime can vary based on the salinity level, reverse polarity running cycle and water chemical balance.

| Large Volume Pools | 12.500 Hours | °C Temperature Sensor | pH Sensor | ORP Sensor | Circulation Pump Management | Water Level Management | 2 YEARS Warranty |

CL **60 g/h**   CL **80 g/h**   CL **120 g/h**   CL **160 g/h**

BIRDIE PRO MODELS

CODE	MODEL	POOL VOLUME
CODE 100001612	MODEL Birdie Pro 60G	POOL VOLUME 60 g/h
CODE 100001526	MODEL Birdie Pro 80G	POOL VOLUME 80 g/h
CODE 100001632	MODEL Birdie Pro 120G	POOL VOLUME 120 g/h
CODE 100001633	MODEL Birdie Pro 160G	POOL VOLUME 160 g/h

AUTOMATION AND DOSAGE

SANUS
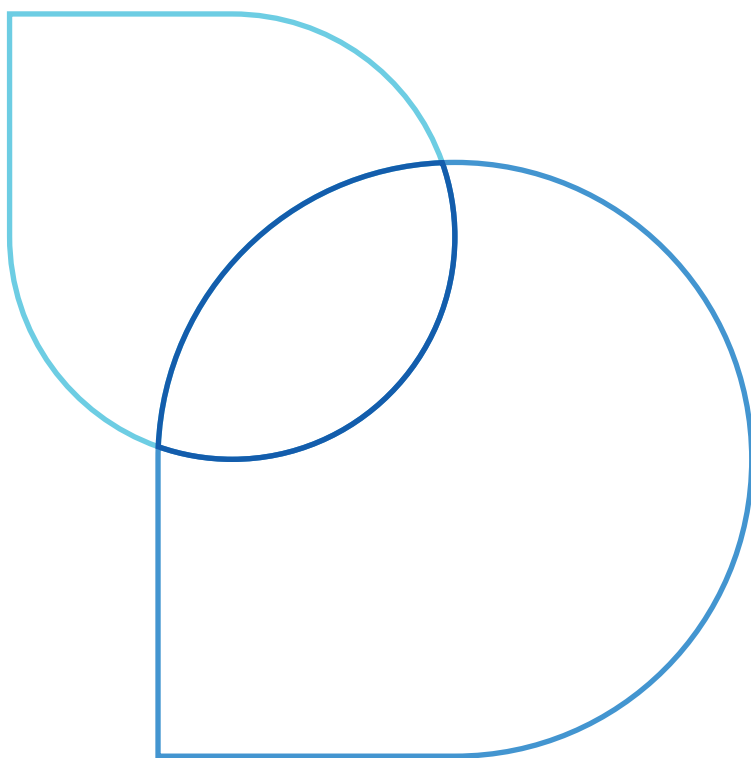
Digital pH measuring and regulating system, for private, public and commercial pools.

> Simple and intuitive programming menu (password protected)
> Electronic timeout alarm to avoid pH overdosing
> ENCODER system with easy friendly software interface
> Auto calibration with 2 buffers or DPD
> Very broad measuring range (0-13.8)
> Highly accurate pH scale */- 0.1
> Progressive pH injection (acid or base)
> Long life pH electrode

| Specifications |

Power Supply: 220/240Vac 50/60Hz
pH Pump: Peristaltic
Injection Flowrate: 1,5 - l/h
Injection Pressure: 2,5 Bar
Room Temperature: Tested at 50ºC
Buffers: 4 and 7
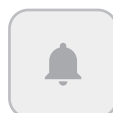**Warranty:** 2 Years

L 140mm X A 180mm X P 65mm

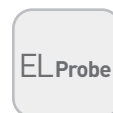| 00 ↔ 13.8	± 0,01	⊙	🔔	EL Probe	2 YEARS
pH Scale	pH Precision	Encoder	Alarm	Ph Probe Long Life	Warranty
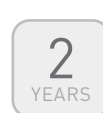
Accessories

SANUS MODELOS

CODE	MODEL	PRESSURE FLOW l/h - Bar
CODE 100001765	MODEL SANUS COMPACT	1.5-2.5
CODE 100002273	DISCRIPTION Boia Tanque pH com Tubo de Aspiração	

TACTUS

Automatic water level regulator comprising a head box, five level sensors and a solenoid valve.
Suitable for all type of pools: skimmer, overflow or transhipment.

- Check valve failure detector to prevent involuntary pool emptying
- Rain detector that allows system to be used during winter period
- Circulation pump protector to prevent dry work
- Compact four sensors kit for skimmer swimming pools (optional)
- Plug & Play System for automatic operation without programming
- Sainless steel ASI316 level sensors
- LED lights status indicator
- On-off side switch

| Specifications |

Power Supply: 220/240Vac 50/60Hz
Level Sensors: 5 units ASI316
Valve: 1,0"
Pressure: 1 - 10 Bar
Debit: 5 - 35 m3/h
Room Temperature: Tested at 50ºC
Warranty: 2 Years

NEW DESIGN

L140mm X A180mm X P65mm

| Water Level Management | 4 Sensors | Electro Valve | Plug & Play | Winter Mode | 2 YEARS Warranty |

Accessories

TACTUS MODELS

CODE	MODEL	EV	BAR PRESSURE	DEBIT m³/h
100000725	Tactus WL 1.0	1.0"	1-10	0.05 - 9

AUTOMATIC CHEMICAL DOSERS

Redox potential measurement and regulation (ORP)

POOLUX RH

CODE 100001315	MODEL POOLUX RH	PRESSURE FLOW l/h Bar 4.5-2

Peristaltic dosing pump for measurement and regulation of redox potential (ORP).
Proportional dosage with measuring scale from 0 mV to 1000mV visible in a digital display.
Includes level sensor. Digital signal input.

VMS PO

CODE 100001316	MODEL VMS PO 07.06	PRESSURE FLOW l/h Bar 6-7

Electromagnetic dosing pump for measurement and regulation of redox potencial (ORP).
Proportional dosage with measuring scale from 0 mV to 100 mV visible in a digital display.
Includes level sensor. Pump body and hydraulic parts in PVDF.

POOLUX EV

CODE 100001317	MODEL POOLUX EV	230vac 3A

System to read and adjust the redox potential (ORP) with a scale from 0mV to 1000mV visible
in a digital display. Schuko type output to connect a salt chlorinator or a chlorine tablet feeder.

FMS EV

100001318	FMS EV	OUTPUT EV 230Vac 10A	

System to read and adjust the redox potential (ORP) with a scale from 0mV to 1000mV visible
in a digital display. Schuko type output to connect a salt chlorinator or a chlorine tablet feeder.

Anti-algae, flocculant and active oxygen dispensers

VMS EN Anti-algae

CODE 100001319	MODEL VMS EN 07.06	PRESSURE FLOW l/h Bar 6-7

Electromagnetic dosing pump for injection of algaecide. Weekly timer with shock dosing program. Dosage regulation in cm3. Includes level sensor. Pump body and hydraulic parts in PVDF.

VCOG - VCLG Floculant

CODE 100001320	MODEL VCOG 05.03	PRESSURE FLOW l/h Bar 3-5
CODE 100001321	MODEL VCLG 05.03	PRESSURE FLOW l/h Bar 3-5

Electromagnetic dosing pump for injection of flocculant, with double scale of regulation in g/day (24h). From 0 to 300 g/day or 0 to 3000 g/day. Pump body and hydraulic parts in PVDF. Includes a level probe.

VMSA Active Oxygen

CODE 100001322	MODEL VMSA 07.06	PRESSURE FLOW l/h Bar 6-7

Electromagnetic dosing pump for injection of flocculant, with double scale of regulation in g/day (24h). From 0 to 300 g/day or 0 to 3000 g/day. Pump body and hydraulic parts in PVDF. Includes a level probe.

CERES Floculant

CODE 100001323	MODEL CERES Floculante	PRESSURE FLOW l/h Bar 0.13-1.5

Low flow peristaltic pump for flocculant dosage. Flow rate adjustable from 0.01 to 0.13 l/h. Level probe to stop the pump in case of lack of product.

AUTOMATIC CHEMICAL DOSERS

Regulation and Multiple Dosing

DOUS

CODE 100001329	MODEL DOUS	PRESSURE FLOW l/h Bar 3-2

Regulator with digital display and two peristaltic dosing pumps for proportional injection of pH (acid or base) and chlorine. Redox potential reading. Includes stand-by input, level probe and alarm output.

WDPH CL ou RH

CODE 100001324	MODEL WDPHCL 07.06	PRESSURE FLOW l/h Bar 6-7
CODE 100001325	MODEL WDPHRH 07.06	PRESSURE FLOW l/h Bar 6-7

Regulator with digital display and two dosing pumps for proportional injection of pH (acid or base) and chlorine. Free chlorine measurement (WDPHCL) or redox potential (WDPHRH). ENCODER system for easy programming. Includes level sensor, alarm output and RS485 output. Pump body and hydraulic parts in PVDF.

WDPHCL scale pH (0-14) chlorine (0-10ppm)   WDPHRH scale pH (0-14) chlorine (0-1000mV)

WDPH CA ou CF

CODE 100001326	MODEL WDPHCA 07.06	PRESSURE FLOW l/h Bar 6-7
CODE 100001327	MODEL WDPHCF 07.06	PRESSURE FLOW l/h Bar 6-7

Regulator with digital display and two proportional dosing pumps for pH and anti-algae (WDPHCA) or pH and flocculant (WDPHCF). Proportional injection and on/off for dosing pH +/-. Weekly timer anti-algae dosage or constant and slow for the flocculant. ENCODER system for easy programming. 230Vac output to connect a tablets dispenser or a salt chlorinator. Includes level sensor, alarm output and RS485 output. Pump body and hydraulic parts in PVDF.
Optional: free potential output contact.

WDPHCA- Anti-algae scale from 0 to 14 pH and 0 to 10mg/Cl2   WDPHCF-Floculant scale from 0 to 14pH and 0 to 10mg/Cl2

WDPHOS

CODE 100001328	MODEL WDPHOS	PRESSURE FLOW l/h Bar 6-7

Regulator with digital display and two dosing pumps for proportional injection of pH (acid or base) and active oxygen. Temperature control with probe included. Adjustable dosage with daily or weekly timer. ENCODER system for easy programming. RS485 output. Pump body and hydraulic parts in PVDF.

Data to be programmed: Quantity per m3 at 25ºC | Quantity per m3 at 30ºC and pool volume.
H scale (0 to 14)

DOS-UV

CODE 100001330	MODEL DOS-UV 8	PRESSURE FLOW l/h Bar 5
CODE 100001331	MODEL DOS-UV15	PRESSURE FLOW l/h Bar 15
CODE 100001332	MODEL DOS-UV22	PRESSURE FLOW l/h Bar 22

UVC ultraviolet radiation system to sterilize and destroy living cells present in water, without modifying the physical and chemical characteristics. No residual effect. Compact, easily removable, with 9000h of lamps lifetime. The DOS-UV system is dimensioned according to the flow of the circulation pump so that the combination of contact time in the reactor plus the power of the lamp can grant a germicidal dose expressed in mJ/cm2, capable of eradicate 99,9% of the living cells present in the water.

AUTOMATION AND DOSAGE

Digital Instruments Mono and Multi-parameter

LDS CL SERIES

Encoder system for easy programming. Input for flow control. Permanent of data (without battery) with system log visible in a display. Diagnosis probe menu. Temperature measurement and automatic compensation with PT100 probe included. Free potential input. Alarms of probe damage (with probe check-up), maximum dose limit, threshold level and flow. Possibility to program delays in dosage (maximum 60 minutes). Dosing system on/off, proportional PWM and fixed PWM. Dosage can be manual or automatic.

PACK LDS CL ECL12

CODE 100001634	MODEL LDS CL ECL12	AMPEROMETRIC CHLORINE PROBE Open

INCLUDES Controller LDSCL, Chlorine Probe ECL12, Proximiy sensor SERP and Probe Filter NFIL

PACK LDS CL ECL3S

CODE 100001635	MODEL LDS CL ECL35	AMPEROMETRIC CHLORINE PROBE of membrane

INCLUDES Controller LDSCL, Chlorine Probe ECL35/10, Probe holder PEF1 (with room for a pH Probe)

Proximiy sensor SERP and Probe Filter NFIL

Pre-assembled Control and Dosage Panels

Painel DOUS

CODE 100001636	MODEL PANEL DOUS	PRESSURE FLOW l/h Bar 3-2

Proportional regulation of pH and redox with peristaltic pumps. Includes:

> Controller DOUS 02 03 (3l/h)
> Filter NFIL
> pH Probe EPHS
> Redox Probe ERHS
> Probe holder NPED4

Panel VMS PO

CODE 100001637	MODEL PANEL VMS PO 07.06	PRESSURE FLOW l/h Bar 6-7

Proportional control of pH and redox with electromagnetic pumps. Includes:

> Dosing pump VMS PO 07 06 (6 l/h)
> Dosing pump VMS PO 07 06 (6l/h)
> Filter NFIL
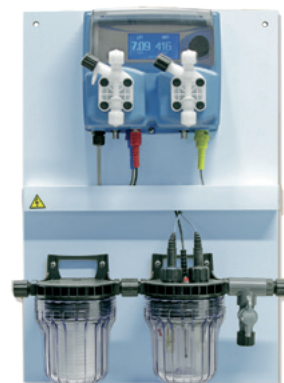> pH Probe EPHS
> Redox Probe ERHS
> Probe holder NPED4

AUTOMATION AND DOSAGE

Panel WDPHRH

CODE 100001638	MODEL PAINEL WDPHRH 07.06	PRESSURE FLOW l/h Bar 6-7

Proportional control of pH and redox with electromagnetic pumps. Includes:

> Controller WDPHRH 07 06 (6 l/h)
> Filter NFIL
> pH Probe EPHS
> Redox Probe ERHS
> Probe holder NPED4

Panel WDPHCL/6

CODE 100001639	MODEL PAINEL WDPHCL/6	PRESSURE FLOW l/h Bar 6-7

Proportional regulation of pH and chlorine with electromagnetic pumps. Includes

> Controller WDPHCL 07 06 (6l/h)
> Filter NFIL
> SEPR Proximity sensor
> pH Probe EPHS
> ECL6/P open amperometric chlorine probe

Panel WDPHCL/3

CODE 100001640	MODEL PAINEL WDPHCL/3	PRESSURE FLOW l/h Bar 6-7

Also available with closed amperometric chlorine probe ECL3S/10 and probe holder PEF1

ECL3S/10   PEF1

Pre-assembled Control and Dosage panels

Panel LDPHRH

CODE 100001641	MODEL PAINEL LDPHRH	PRESSURE FLOW l/h Bar 10-3

Proportional control of pH and redox with electromagnetic pumps. Includes:

> Controller LDPHRH
> Dosing pump VMS MF 03 10 (10 l/h)
> Dosing pump VMS MF 03 10 (10 l/h)
> NFIL Filter
> pH Probe EPHS
> Redox Probe ERHS
> Probe holder NPED4

Panel LDPHCL/6

CODE 100001642	MODEL PANEL LDPHCL/6	PRESSURE FLOW l/h Bar 10-3

Proportional control of pH and chlorine with electromagnetic pumps. Includes

> Controller LDPHCL
> Dosing pump VMS MF 03 10 (10l/h)
> Dosing pump VMS MF 03 10 (10l/h)
> NFIL Filter
> pH Probe EPHS
> Proximity sensor SEPR
> Temperature probe ETEPT
> Open amperometric chlorine probe ECL6/P

Panel LDPHCL/3

CODE 100001643	MODEL PAINEL LDPHCL/3	PRESSURE FLOW l/h Bar 10-3

Also available with closed amperometric chlorine probe ECL3S/10 and probe holder PEF1

ECL3S/10   PEF1

Panel LDPHBR

CODE 100001644	MODEL PAINEL LDPHBR	PRESSURE FLOW l/h Bar 10-3

Also available with bromine probe EBR 1/20 and probe holder PEF1

PARTS AND ACCESSORIES

PARTS and ACCESSORIES

OPTIONAL KITS

KIT ORP COLIBRI/PLUMA RX

#100001724

Redox system for reading and regulating the level of chlorine in the water, compatible with colibri and Pluma RX models.

ORP PLUG-IN KIT TO COLIBRI/PLUMA CC

#100002176

Redox system for reading and regulating the level of chlorine in the water, compatible with colibri and Pluma CC models.

TEMPERATURE KIT

#100001783

Probe for water temperature measurement and automatic production regulation. Allows automatic winterization of the equipment. Compatible with Colibri and Pluma RX models.

GROUND KIT

#100001586

Long-life earth electrode with plug.

PROBES

Ph PROBE

#100000418

Combined pH electrode for pressure up to 7 bar/70ºC. Body in epoxy.

ORP PROBE

#100001698

Combined redox electrode for pressure up to 7 bar/70ºC. Body in epoxy.

CONDUCTIVITY PROBE

#100000266

Combined conductivity electrode for pressure up to 7 bar/70ºC. Body in epoxy.

AIR TEMPERATURE PROBE

#100001895

Air temperature probe to EZ models

WATER TEMPERATURE PROBE WITHOUT JACK

#100001894

Water temperature probe to Colibri, Pluma and EZ models

WATER TEMPERATURE PROBE WITH JACK

#100001716

Water temperature probe with jack to RX models

FLOW SENSOR

#100001885

Sensor for water flow detection, compatible with EZ models

PRESSURE SENSOR

#100001906

Sensor for measuring sand filter pressure, compatible with EZ models

LEVEL PROBE FOR SURGE TANK

#100000408

Level probe for surge tank

SPECIAL LEVEL PROBES FOR SKIMMERS

#100000713

Water level probe for use in skimmers

PH ACCESSORIES

PERISTALTIC PH PUMP 4.5L - 2 BAR

#100000759

pH injection pump

RUBBER PERISTALTIC PUMP

#100000836

Replacement rubber for pH pump

PARTS AND ACCESSORIES

PERISTALTIC PUMP ROTOR

#100002228

Rotor for pH pump 1.5 l/h (5mm)

#100002305

Rotor for pH pump 4.5 l/h (4mm)

SOUND-HOLDER

#100000272

Fixation part for pH, ORP and Conductivity probes

PERISTALTIC PUMP INJECTOR

#100001160

PVDF non-return valve for pH injection

PH INJECTION KIT

#100002286

Includes: suction valve, injection valve, flexible and rigid pipe

LEVEL PROBE FOR PH TANK - 45 CM

#100000991

Two-contact cable (for Birdie models)

#100002273

Cable with BNC connector (for Sanus Compact)

CELL ACCESSORIES

CELL CUP

#100001257

CELL NUT

#100001258

PROTECTIVE COVER CELLS CABLES
#100001261

CELL BUFFER RING
#100001260

O'RING CELL
#100001356

63X50 REDUCTION RING
#100000351

VARIOUS

ELECTROVALVE 1.0
#100000709

FIXING KIT
#100002095

PLUMA EV & RX CELLS

CODE	MODEL	DESCRIPTION	PRODUCTION g/h	PRODUCT Life h [1]
100001204	BBPLuma P8	Replacement electrode for Pluma models	8	10.500
100001205	BBPLuma P12	Replacement electrode for Pluma models	12	10.500
100001206	BBPLuma P16	Replacement electrode for Pluma models	16	10.500
100001207	BBPLuma P20	Replacement electrode for Pluma models	20	10.500
100001208	BBPLuma P25	Replacement electrode for Pluma models	25	10.500

PLUMA CC CELLS

CODE	MODEL	DESCRIPTION	PRODUCTION g/h	PRODUCT Life h [1]
100002129	BBPluma CC 10	Replacement electrode for Pluma CC models	10	10.500
100002131	BBPluma CC 15	Replacement electrode for Pluma CC models	15	10.500
100002133	BBPluma CC 20	Replacement electrode for Pluma CC models	20	10.500
100002135	BBPluma CC 30	Replacement electrode for Pluma CC models	30	10.500

BIRDIE EV CELLS | COLIBRI EV CELLS | COLIBRI RX CELLS

| CODE	MODEL	DESCRIPTION	PRODUCTION g/h	PRODUCT Life h [1]
100001209	BBD P10	Replacement electrode for Birdie & Colibri models	10	12.500
100001210	BBD P15	Replacement electrode for Birdie & Colibri models	15	12.500
100001211	BBD P20	Replacement electrode for Birdie & Colibri models	20	12.500
100001212	BBD P30	Replacement electrode for Birdie & Colibri models	30	12.500
100001213	BBD P40	Replacement electrode for Birdie & Colibri models	40	12.500

COLIBRI CC CELLS

CODE	MODEL	DESCRIPTION	PRODUCTION g/h	PRODUCT Life h [1]
100002130	BB CC 10	Replacement electrode for Colibri CC models	10	15.000
100002132	BB CC 15	Replacement electrode for Colibri CC models	15	15.000
100002134	BB CC 20	Replacement electrode for Colibri CC models	20	15.000
100002136	BB CC 30	Replacement electrode for Colibri CC models	30	15.000
100002137	BB CC 40	Replacement electrode for Colibri CC models	40	15.000

PROFESSIONAL CELLS

CODE	MODEL	DESCRIPTION	PRODUCTION g/h	PRODUCT Life h [1]
100001219	BBP P60	Replacement electrode for Colibri & Birdie Pro models	60	12.500
100001220	BBP P80	Replacement electrode for Colibri & Birdie Pro models	80	12.500

OBSERVATIONS: All prices are EXW. Legal taxes (Eco and VAT) are added if applicable. **Bright Blue** follows a policy of continuous development of its products and reserves the right to change specifications and equipment at any time, without notice, declining all responsibilities for any errors or omissions that occur in its Price List. **Bright Blue** reserves the right to change any price without notice.

[1] Lifetime can vary depending on the equipment, operating conditions and pool water chemical balance.

BrightBlue

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100%
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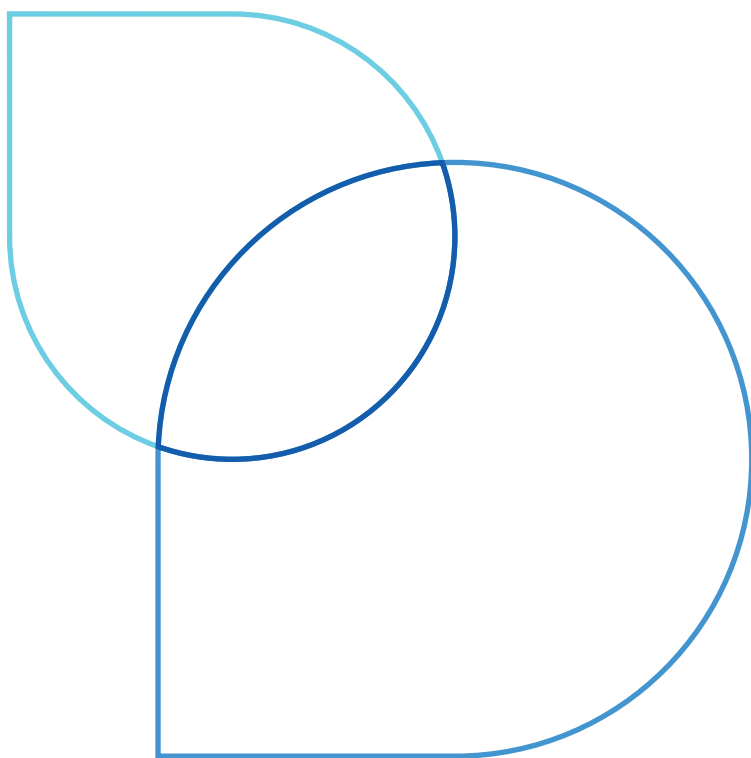
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