

## ELECTRONIC BOX



Complete pool control



Filtration pump control



Light control



Control of 4 additional machines



Temperature control



PH-management



REDOX-management



Free chlorine management



DESCRIPTION	BIO 16	BIO 22	BIO 33	BIO 50
Max. production Cl <sub>2</sub> /h	16 gr	22 gr	33 gr	50 gr
Salt concentration	From 3 gr to 100 gr Na/Cl			
m <sup>3</sup> Pool (to 28°C)	65m <sup>3</sup>	100m <sup>3</sup>	200m <sup>3</sup>	350m <sup>3</sup>
m <sup>3</sup> Pool (+28°C)	40m <sup>3</sup>	80m <sup>3</sup>	125m <sup>3</sup>	200m <sup>3</sup>
Display	2,8" TFT mobile (20m) color display (5 languages)			
Power supply	220V 50/60 Hz			
Outlet	8-8A	8-15A	8-20A	10-15A
Maximum consumption	80w	120w	160w	150w
Dimensions millimeter (AxBxC)	270 mm x 220 mm x 115 mm			
Electronic box	Fireproof plastic ABS black			
Front cover	Plastic ABS blue			
Electronic	Microprocessor 32 bit			
Intensity control	Ampere + Volt			
Ventilation	Fan			
Automatic cleaning	Programmable from 1 to 24 hours			
Flow switch	Gas sensor			
Hour counter	Yes - accessible by client			
Control production of disinfection	g/L			
Alarms	Insufficient salt / no flow / PH metering / PH extremely high or low / PH max. metering time / memory error			
Display salt concentration	Detects gr salt / l (precision ± 10%)			
Production control by pool cover	Programmable 0-100% production of disinfection depending on pool cover open or closed			
Production control by ext. signal	Programmable 0-100% production of disinfection depending on external signal (2nd analog. inlet)			
Communication	MODBUS / WIFI			
Control main outputs	Filtration time / light / temperature			
Control additional outputs	4 relays for the control of 4 additional machines for the pool			

## ELECTROLYSIS CELL



Self-cleaning



Life time guaranteed



Programmable polarity change



Transparent PVC holder



Security sensor



Cells for all pool sizes



DESCRIPTION	BIO 16	BIO 22	BIO 33	BIO 50
Electrolysis cell	4 Titanium cell plates MONOPOLAR	4 Titanium cell plates MONOPOLAR	5 Titanium cell plates MONOPOLAR	7 Titanium cell plates BIPOLAR
Minimum flow (m3/h)	3	5	7	9
Dimension cell plates (CxD)	100x45	200x45	200x45	200x45
Material cell housing	PVC plastic transparent			
Cell fastener	Thread for an easy installation			
Diameter tube connection (A)	63 mm			
Dimension cell (B-E-F)	355 mm x 305 mm x 305mm			
Cell cable size	(3 x 4) x 1,5 m			
Gas sensor	Incorporated in the cell			
Maximum pressure	4 Kg /cm <sup>2</sup>			
Maximum temperature	45°C			

# IONISATION CHAMBER

**SELF CLEAN**

Self-cleaning



Programmable polarity change

**Pr ion**

Ionisation timer



DESCRIPTION	BIO 16	BIO 22	BIO 33	BIO 50
Number of electrodes	2	4	6	8
Dimensions (length/∅) mm	See image (dimensions)			
Connection	Thread 2" (63 mm)			
Material of housing	ABS transparent			
Material of electrodes	Copper and silver			

# AUTOMATIC CONTROLS



DESCRIPTION	pH	Redox	Free chlorine	Conductivity	Temperature
REFERENCE	B	E	H	I	T
Type of probe	Epoxi	Epoxi	Amperometric (Au-Cu)	Epoxi	Thermometer
Measuring range	0-14 pH	0-1000 mV	0-10 ppm	0-20,000 MS	0-100° c
Measuring precision	0,1 pH	1-3 mV	0,10 ppm	10 MS / 100 MS	1° c
Material	Ag/Cl	Gold	Copper / gold		Stainless steel
Probe holder	ABS 50/63mm				
Supplementary equipment			Includes 2m of flexible tube/valve		
Cable	2 m				
Plug	BNC with protection	BNC with protection	Connectors	Connectors	Connectors

# DIMENSIONS

