

BIONET

ELECTROLYSIS AND IONIZATION (Cu/Ag)

Exclusive system for healthier water
Salt Electrolysis

- **Chlorine generation thanks to a salt electrolysis system** (3 gr/l of salt) combined with a Cu/Ag ionization to enhance the disinfection efficiency for a clear and healthy water
- Controls and regulates pH, Redox and free chlorine
- **Controls filtration, lighting, pH, Redox + 4 auxiliaries**
- Temperature control
- **Option: remote control** (Wifi + App)
- **Usage:** residential pools

Technical description: BIONET employs two methods of disinfection for the perfect sterilization of water, without the need to add chemicals. Generate automatically disinfectant sodium hypochlorite based on a slightly salty water (> 3 g Salt / liter). It also uses the ionization of copper and silver (algicide, bactericide and flocculant) to generate disinfectant and additional flocculant.



Non contractual photography



Self
cleaning Cell



Cell
warranty



Polarity change
programming



PVC Transparent
support



Security
sensor included



Ionization
Cu/Ag

ELECTRONIC UNIT

DESCRIPTION	BIO 16	BIO 22	BIO 33	BIO 50
Intensidad	16 g	22 g	33 g	50 g
Salinity	From 3 g to 100 g de NaCl/l			
Pool Volume m ³ (up to 28°C)	65 m ³	110 m ³	200 m ³	250 m ³
Pool Volume m ³ (+28°C)	40 m ³	80 m ³	125 m ³	150 m ³
Display	2.8" TFT full color removable screen for remote installation (12 languages)			
Power supply	220V 50/60 Hz			
Output	8-15 A	8-20 A	10-15 A	10-16 A
Maximum consumption	120 W	160 W	150 W	400 W
Dimensions	270 x 220 x 115 mm			
Electronic unit	Flame retardant plastic black ABS			
Protection cover	Flame retardant plastic blue ABS			
Control	Microprocessor 32 bits			
Intensity regulation	Amperage + Voltage			
Ventilation	Heatsink			
Self-cleaning	Programmable from 1 to 24 h			
Flow control	Gas sensor			Flow sensor
Operating hours counter	Yes, accessible by customer			
Production control	g/L			
Alarms	Low conductivity / Lack of flow / dosing pH / excessive pH out of range / ph maximum dosing time			
Salinity test	Detects g/l of salt (accuracy of ± 10%)			
Production control per deck/cover	Configurable production level 0-100% depending on open or closed pool cover			
External signal production	Configurable production level 0-100% depending on any external signal (second analog input)			
Communications	MODBUS RS485 / WIFI / ETHERNET			
Main control outputs	Filtration control / Lighting control / Heating control			
Additional control outputs	4 additional relay outputs configurable by the user			

SALT ELECTROLYSIS CELL

DESCRIPTION	BIO 16	BIO 22	BIO 33	BIO 50
Saline electrolysis cell	4 titanium plates	5 titanium plates	7 titanium plates	10 titanium plates
Minimum flow	3 m ³ /h	5 m ³ /h	7 m ³ /h	9 m ³ /h
Plates sizes	200 x 45 mm	200 x 45 mm	200 x 45 mm	400 x 45 mm
Cell support material	Transparent PVC plastic			
Cell closure	Threaded for easy cell installation			
Pipe connection diameter	63 mm			
Cell cable	(3 x 4) x 1.5 m			
Gas sensor	Built-in cell			no
Maximum pressure	4 Kg/cm ²			
Maximum temperature	45°C			