

- Electro-Chemical Bio-Cleaning System
- Produces an effective, non-toxic environmentally friendly cleaning solution
- Enables the batch production of cleaning solutions on-site
- Optimum batch size 5 to 12 Litres
- Simple push-button operation with 2 activation programs
- Input voltage 110V - 240V
- 100W Power Rating
- 1 Year Warranty



System Components

- System Control Module & Wall Bracket
- Component Electrolysis Cell
- Mains Power Cable

Electrical Characteristics

Input

Input Voltage	110 – 240V
Input Frequency	50 – 60Hz
Input Current	1.5/0.9 A typical at 110/240VAC
Input Protection	Internal T3.15/T5 A/250 V fuse in line and neutral

Output

Output Voltage	12VDC
Output Current	8.3A
Output Power	100W

System Protection

Overvoltage Protection	115 – 140% Vnom, recycle input to reset
Overload Protection	110 – 160%
Short Circuit Protection	Continuous trip and reset (hiccup mode)
Electrolysis Control	Current Regulator
Temperature Protection	Temperature Sensor, high temperature reset

Environmental

Operating Temperature	5 - 40°C (Ambient)
Cooling	Convection and Fan Cooled
Max Operating Humidity	95% RH, non-condensing
Max Operating Altitude	3000m

System Control Module/HMI

Enclosure Material	ABS
Ingress Protection	IP20
HMI	Membrane Switch, LED

Electrolysis Cell

Electrode Material	Titanium Alloy
Electrode Coating	MMO
Cell Housing Material	Acrylic

Mains Power Cable

Power Plug Type	Regional
Power Cord	3 Core (L,N,E)
Connector	IEC C14

Cleaning Solution Output

Electrolyte	NaCl
Solvent	Water
Output	Elemental Chlorine (NaOCl)
Solution	Hypochlorous Acid (HOCl)
Composition	Hypochlorite Ion (OCl ⁻) Hydroxide (OH ⁻)

Batch Size (L)	NaCl Content	Duration (mins)	FAC (ppm)
5*	5g	15	140
		30	260
12*	12g	15	100
		30	175

*Deionized Water 097uS/cm