

DAVEY EcoMatic COMM



COMMERCIAL



SALT WATER
SANITISER

SIMPLE & RELIABLE COMMERCIAL GRADE SALT WATER SYSTEM

APPLICATION

Small to medium sized resort pools,
public pools and swim schools.

KEEP YOUR RESORT POOL CRYSTAL CLEAR

- High efficiency switch mode power supply and new electronics to handle voltage and salinity fluctuations
- Durable, high flow cell design with external flow switch for additional safety
- LED indicators to display cell production, 'Low Salt' and 'No Flow'
- High salinity range: 3,000-36,000ppm (3g/l -36g/l)
- Suitable for use with seawater
- Provision for external Oxidation Reduction Potential (ORP) control via a low voltage signal
- Designed and made in Australia

Light Commercial Salt Water Sanitiser



Industrial grade switch mode power supply and electronics in a compact powder coated cabinet

Lockable door protects control panel from the weather and unwanted access. Includes: convenient see through window which provides easy inspection of LED indicators

Simple to use controls easy to set and operate

Large, high flow rate cell for rapid pool water turnover

Heavy duty reverse polarity cell for low maintenance and long service life

ORP ready for piece of mind

MODBUS interface for external monitoring and control

TECHNICAL SPECIFICATIONS

Model	COMM 500	COMM 1000
Input voltage:	220 – 240VAC	
Supply frequency/phase:	50 – 60Hz / Single phase	
Power consumption typical @ 230V: Efficiency improves with increased salinity	@ ~4500PPM - 250W	@ ~4500PPM - 500W
Maximum input current (AC):	1.6 Amps	3.0 Amps
Fuse type:	5.0 Amps slow blow	
Output to cell (DC):	22 - 24V, 9 Amps	24 - 26V, 19 Amps
Chlorine gas output:	50g/h (2.65lbs/d) @ 100g/h (5.29lbs/d) 5,000ppm, 25°C @ 5,000ppm, 25°C	
Operating salt range:	3,000ppm – 36,000ppm	
Ideal salt range:	4,500ppm – 6,000ppm	
Low salt alarm:	~ 3,000ppm	
Low salt cut-out:	~ 2,500ppm	
Cooling:	Passive – product must be mounted on a flat vertical surface using the supplied mounting kit to ensure adequate ventilation	
Electrolytic cell type:	Coated Titanium, reverse polarity	
Maximum water temperature (in cell):	45°C, or 113°F Keep water below 30°C, or 86°F for chlorine effectiveness	
Minimum recommended water temperature (in cell):	15°C, or 59°F	
Minimum flow (through cell):	170L/min, 45USG/min, or 10.2m³/h	235L/min, 62USG/min, or 14.1m³/h
Pipe connections:	3" / 80mm, or 2" / 50mm with adaptors	
Approvals:	EN60335-1, EN62233, EN61000-6-3, EN61000-3-2, EN61000-3-3 EN61000-4-2/ EN61000-4-4 EN61000-4-5/ EN61000-4-6 EN61000-4-11, EN55014-2, IPX4	

DIMENSIONS

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OTHER INFORMATION

The EcoMatic COMM 1000 feature a system control, which varies the amount of time the cell operates during a filtration cycle.

They also come fitted with a number of advanced protective systems including the Warning LED – for low salt level to protect your EcoMatic cell which helps maintain, and in some cases, increase the cell life.

Supplied with external flow switch.

IMPORTANT NOTE: In 'hard water' applications (above 275ppm), reverse polarity systems will require regular (monthly) inspection and manual cleaning.