

DAVEY EcoMatic® COMM

SIMPLE & RELIABLE COMMERCIAL SALT WATER SYSTEM

APPLICATION

High output models for small to medium sized resort pools, public pools and swim schools.



KEEP YOUR RESORT POOL CRYSTAL CLEAR

- > Robust power supply and sleek, modern cabinet for heavy duty applications and long service life
- > User-friendly controls for simple set up and operation
- > Large, high flow rate cell to deal with higher water flows
- > Self cleaning reverse polarity cell designed for high output and long service life
- > Lockable cabinet with convenient window, protects control panel and prevents unauthorised access
- > LED indicators to display cell production, 'Low Salt' and 'No Flow'
- > 3,000 – 36,000 ppm operation
- > Sanitisation is automatic and eliminates manual chemical dosing
- > Oxidation Reduction Potential (ORP) Connectivity
- > Optional 50Hz pH monitoring and peristaltic pump available



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EcoMatic COMM

Light Commercial Salt Water Sanitiser



- **Heavy duty power supply** and 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

DIMENSIONS

Power Supply Enclosure				Weight		Cell Housing					Weight	
Height	Width	Depth	Mounting Holes	COMM 500	COMM 1000	Height	Width	Depth	Inlet/Outlet (PVC)	Plumbing Holes	50	100
15.7'	11.8'	5.9'	4 Holes: 13.4' w x 12.8' h	28.7 lbs	28.7 lbs	8.1'	16.3'	5'	3.5' Actual ID*	11.8' from centre to centre	6 lbs	8 lbs
400mm	300mm	150mm	4 Holes: 340mm w x 326mm h	13 kg	13 kg	206mm	415mm	127mm	89mm Actual ID*	300mm from centre to centre	2.7 kg	3.6 kg

TECHNICAL SPECIFICATIONS

Model	Nominal Rated Chlorine Gas Output (g/h)	Nominal Rated Chlorine Gas Output (lbs/d)	Minimum Flow Rate in Cell (lpm)	Minimum Flow Rate in Cell (gpm)	Maximum Pool Size Guidelines (x 1000)*					
					Litres Cool Climate	US Gallons Cool Climate	Litres Temperate Climate	US Gallons Temperate Climate	Litres Hot Climate	US Gallons Hot Climate
COMM 500	53	2.83	> 170	> 45	800	211	550	145	490	129
COMM 1000	106	5.65	> 235	> 63	1,600	423	1150	304	1050	277
Water Temperature					< 25°C (77°F)	< 25°C (77°F)	25-30°C (77-86°F)	25-30°C (77-86°F)	>30°C (86°F)	>30°C (86°F)

In certain installations, these minimum flow rates may not be sufficient to fill the cell housing completely with water

– in these cases the flow must be increased to ensure the the cell plate surfaces are completely immersed otherwise damage will occur and decreased cell life will result.

ELECTRICAL DATA – ALL MODELS

Voltage (V)	Supply Freq/Phase
220-240	50Hz / 60Hz single phase

OTHER INFORMATION

The EcoMatic COMM 500 and 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 an adaptor for plumbing into 50mm (2") PVC pipe. It has an ID of 60mm (2.36").

Pool size estimates are based on an 18 hour running time and moderate bather load. For heavy bather loads or pools located in extreme temperature / dusty environments, Davey recommends that you select a higher output model. For specific output rating, refer to the EcoMatic COMM Installation & Operating Instruction manual.

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

davey.com.au | daveynz.co.nz | daveyeurope.eu | daveyusa.com

This literature is not a complete guide to product usage. All images provided in this document are for illustration purposes only. Further information is available from your Davey Dealer, Davey Support Centre and from the relevant product Installation and Operating Instructions. Must be read in conjunction with the relevant product Installation and Operating Instructions and all applicable statutory requirements. Product specifications may change without notice. © Davey is a registered trademark of Davey Water Products Pty Ltd. © Davey Water Products Pty Ltd 2019.

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