



EnviroSwim ES3

Suitability Guide

Consideration	Parameter	Guideline
Usage	Regular domestic	Ideal for ES3 operated as per the operating instructions. Subject to size a single ES3 unit will be adequate. Consider installing in conjunction with a pH doser.
	Non domestic <ul style="list-style-type: none"> • Commercial • School • Apartment/hotel 	Bather load is a significant factor in these situations. Please contact EnviroSwim with details of bather load profile. There are many EnviroSwim systems in these environments and sizing is critical to maintain efficacy. Multiple ES3 units are installed in parallel to address this.
Size	20,000 to 100,000 litres	A single ES3 unit is ideal for this range of domestic pool. For non domestic bather load also needs to be taken into account.
	<20,000 litres	A single ES3 unit can be used. Care needs to be taken with run time to ensure that the water is not over treated with copper/silver or excessive ORP.
	>100,000 litres	Multiple ES3 units can be installed in parallel. Typically one unit is installed for each 100,000 litres of water. E.g. for 150,000 litres install 2 units. A single unit may be suitable for more than 100,000 litres for low use indoor pools. Contact EnviroSwim for guidance.
Previous Treatments	Chlorine	No issues. Stop adding chlorine when ES3 is commissioned.
	Ozone	Same as Chlorine.
	Salt Water Chlorinator	Ideally drain the pool completely and refill. Alternatively dilute until TDS is at 1000ppm. If not able to get TDS below 2000 ppm contact EnviroSwim about special plates that can be used until the desired TDS is achieved through dilution.
	Algaecides	If possible dilute to remove. Otherwise monitor copper levels using the supplied test kit and over time the algaecide will dissipate and be replaced by ES3's ionised copper.
	Bacquacil	To convert from Bacquacil the pool must be completely drained, cleaned and all filter media replaced.



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Dilution	Non recirculating systems	EnviroSwim relies on the water being recirculated and is not suitable for pools that are continually refreshed from streams or bores.
	Leaking pools	Not suitable as copper levels cannot be built and maintained.
Electrode life	Guideline	For a 50,000 litre domestic pool with average depth of 1500 mm and annual rainfall of 1500mm experience suggests around 18 months for a set of electrodes. An 85,000 litre pool with 1800mm average depth and 3000mm of rainfall has achieved 11 months. Please allow for other environmental factors.
	Environmental	Excessive phosphates will remove the copper and promote algae growth. To maintain copper levels will require additional output and will reduce electrode life.

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