

Sewage Treatment Plants



TECNICOMAR
WATERMAKERS - SEWAGE TREATMENT PLANTS

ECOMAR S

Tecnicomar Sewage treatment plants are designed to be installed in typical marine environments, built to work in extreme conditions of temperature, humidity and vibrations.

Easy to run with totally automatic operation, ECOMar S can be monitored remotely, integrating the working functionality with the on board existing systems.

Different sizes available covering a wide range of capacity to better fulfill all the needs of every kind of applications. System able to work with or without vacuum system on board.



According to the
IMO Res. MEPC.227(64),
including Sec. 4.2 for Special
Areas.

Main ECOMar S features:



EASY TO USE

Fully automatic operation with quick start up and no stabilization time required.



COMPACT DESIGN

Created specifically for all marine application with high treatment capacity.



LIGHTEST

Small footprint and strong polypropylene main units to save weight.



MULTIVOLTAGE

High efficiency components for a low Energy consumption, suitable for every power supply available on board.



CUSTOMIZABLE

Multi-tank control, different footprint, skid layout, dedicated accessories and other tailor made solution on request.



WATER RECYCLING

High performance water treatment that allows water reuse for toilet flushing.



ECOMar 20 S



ECOMar 32 S



ECOMar 45 S



ECOMar 70 S



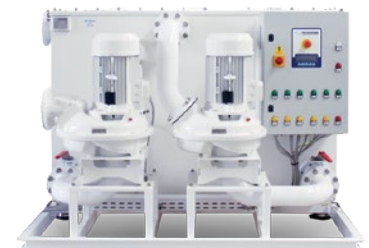
ECOMar 145 S



ECOMar 230 S



ECOMar 340 S



ECOMar 545 S



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ECOMAR S

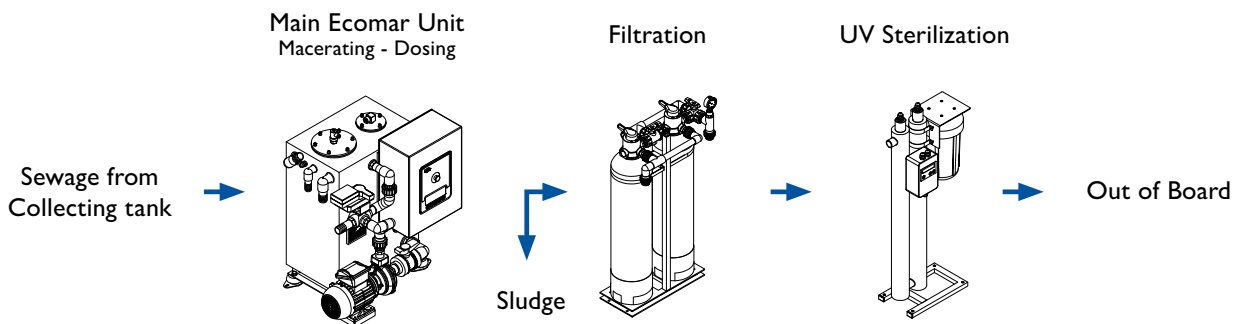
Technical Features

Technical specifications	ECOMar 20 S	ECOMar 32 S	ECOMar 45 S	ECOMar 70 S	ECOMar 145 S	ECOMar 230 S	ECOMar 340 S	ECOMar 545 S
Capacity (litres/day)	2000	3200	4500	7000	14500	23000	34000	54500
Power supply	230VAC-1Ph / 400VAC-3Ph – other voltages available on request					400VAC-3Ph – other voltages available on request		
Max Power consumption (kW)	0.7	0.7	1.2 / 1.6	1.2 / 1.6	1.2 / 1.6	2.6	4.5	12.1

Dimensions and Weight

		ECOMar 20 S	ECOMar 32 S	ECOMar 45 S	ECOMar 70 S	ECOMar 145 S	ECOMar 230 S	ECOMar 340 S	ECOMar 545 S	
Main components dimensions (LxWxH) (m)	Main treatment unit	A316L config.	0.6x0.5x0.7	0.7x0.5x0.7	0.8x0.6x0.7	0.9x0.7x0.7	1.3x0.8x0.8	1.3x0.93x1.3	1.4x1.3x1.3	1.9x1.7x1.3
		PP config.	0.6x0.5x0.7	0.7x0.5x0.7	0.8x0.6x0.7	-	-	-	-	-
	Filtration station	0.6x0.3x1.1	0.6x0.3x1.1	0.6x0.3x1.1	0.6x0.3x1.1	0.6x0.3x1.1	0.9x0.5x1.6	1.0x0.6x1.6	1.8x0.8x1.9	
	Sterilization unit	0.4x0.2x0.9	0.4x0.2x0.9	0.5x0.2x0.9	0.5x0.2x0.9	0.5x0.2x0.9	0.9x0.6x1.2	0.9x0.6x1.2	1.2x1.0x1.1	
Total weight dry (kg)	A316L configuration	182.2	192.2	272.4	276.5	286.5	662	860	2240	
	PP configuration	169	173.6	214.4	-	-	-	-	-	

ECOMar S Flow Diagram



Optionals available on request:



7" LCD touch-screen remote control



CDMAR-2 remote control



Remote control by on-board PC



Air purifier by advanced air oxidation to eliminate bad odors

MODBUS protocol available