

TECNICOMAR SYSTEM FOR SEWAGE WATER TREATMENT

(Resolution MEPC.227-64)



TREATMENT CAPACITY – Resolution MEPC.227(64)

Marine Sanitation Device		ECOMAR 20	ECOMAR 32	ECOMAR 45	ECOMAR 70	ECOMAR 145	ECOMAR 340
Average capacity per day (lt.)		1500	2400	3375	5250	10875	28125
Peak capacity per day (lt.)*		2000	3200	4500	7000	14500	34000
Average capacity per hour (lt.)		62.5	100	140.625	218.75	453.125	1171.875
Peak capacity per hour (lt.)		83.3	133.33	187.5	291.67	604.17	1416.7
Sewage capacity treated per cycle (lt.)		33.75	52.8	66.5	107.865	241.5	591.175
Seawater / brackish water / fresh water load*** per cycle (lt.)		24.3	38.016	47.88	71.91	124.2	372.38
Total volume per cycle (lt.)		58.05	90.816	114.38	179.775	365.7	963.56
Persons**, if passenger ships	Without vacuum plant	8	14	19	30	63	147
	With vacuum plant	10	17	24	37	78	183
Persons**, if other ships	Without vacuum plant	11	17	25	38	80	188
	With vacuum plant	14	23	33	51	107	251
Condition of heel up to (max angle of pitch and roll)		22.5°					
Range of environmental temperature		0°C ÷ 55°C					
Humidity		95%					
Salinity		55000 ppm					

*24 hours per day.

**At peak treatment capacity per day.

***Designed to operate in salt, brackish and fresh water.

(Volume of sewage in litres per person per day)

	Without vacuum plant		With vacuum plant	
	Black water	Grey and black water	Black water	Grey and black water
Passenger ships	70	230	25	185
Seagoing vessels except passenger ships	70	180	25	135