

DESMI Ocean Guard Systems

DESMI Ocean Guard has developed a superior solution for removal of living organisms from ballast water combining high efficiency and low energy consumption.

In DESMI Ocean Guard we combine our experience from both operating on ship equipment and supplying to the shipbuilding industry.

Our expertise is your insurance when selecting the right ballast water treatment system to fulfill your requirements. Test us - contact us with your inquiry and let us show what we are able to do.

- ✓ Proven technology
- ✓ No chemicals added
- ✓ Proven efficiency in all water salinities
- including freshwater
- ✓ Cost-effective water treatment
- ✓ Simple operation - Simple installation
- ✓ Developed and tested according to IMO rules
with performance exceeding requirements
- ✓ Treatment during discharge prevents
problems with regrowth and harmful bacteria
growth in the ballast tanks
- ✓ Ozone generated on-site by UV lamps is injected
into the ballast water to ensure optimum
treatment in any water qualities
- ✓ Minimum footprint



Organism Size	Californian Proposed Law	DESMI Ocean Guard Shipboard Performance	IMO D2 Regulation Standards
≥ 50 µ in min. dimension	No detectable living organisms	0,2 viable organisms per m ³	< 10 viable organisms per m ³
< 50 µ and ≥ 10 µ in min. dimension	< 1 viable organism per 100 ml	< 18 viable organisms per 100 ml	< 1000 viable organisms per 100 ml
< 10 µ in min. dimension	< 1.000 bacteria per 100 ml < 10.000 viruses per 100 ml	N/A bacteria per 100 ml N/A viruses per 100 ml	No limit
Escherichia Coli	< 126 CFU per 100 ml	10 CFU per 100 ml	< 250 CFU per 100 ml
Intestinal Enterococci	< 33 CFU per 100 ml	10 CFU per 100 ml	< 100 CFU per 100 ml
Toxicogenic Vibrio Cholerae	< 1 CFU per 100 ml or < 1 CFU per gram wet weight zoological sample	0,0 CFU per 100 ml 0,0 CFU per gram wet weight zooplankton sample	< 1 CFU per 100 ml < 1 CFU per gram wet weight zooplankton sample

The results, as witnessed by Lloyd's Register EMEA, have not been subject to examination or acceptance in accordance with MEPC. 178 'G8'. It is to be noted that the listed performance numbers are based on two out of three shipboard testing results in the actual type approval process.

For more information on Marine & Offshore solutions, please visit www.desmi.com

