

# 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.

- ✓ Type approved in all three water salinities - including freshwater
- ✓ Very low power consumption
- ✓ In compliance with USCG discharge rules
- ✓ Scalability 100 - 3000 m<sup>3</sup>/h
- ✓ Minimum footprint
- ✓ UVT down to 0.38 (muddy water)
- ✓ Operation in low temperature water (down to 0.5°C)
- ✓ Cost-effective water treatment
- ✓ No chemicals added
- ✓ Simple operation - Simple installation
- ✓ Developed and tested according to IMO rules with performance exceeding requirements

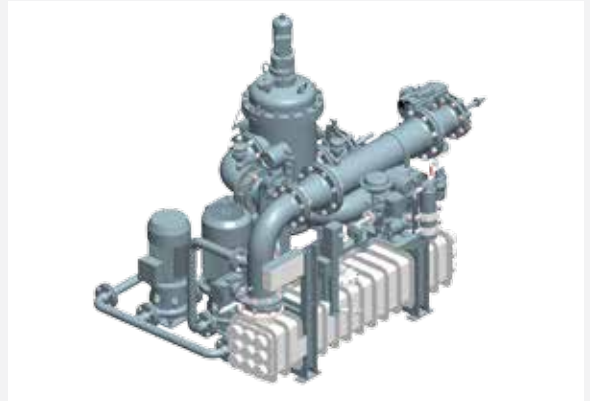
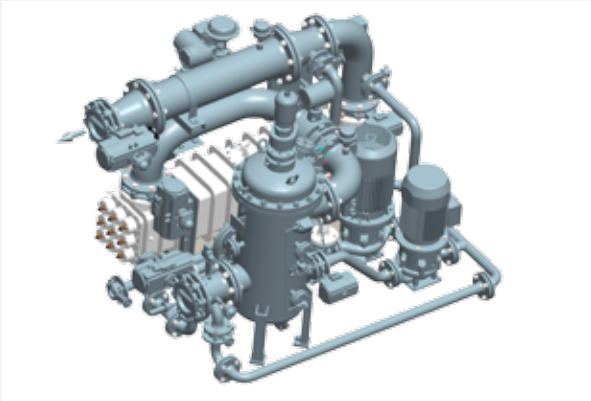


Organism Size	DESMI Ocean Guard Shipboard Performance	IMO & USCG Discharge Standards
≥ 50 µ in min. dimension	0,2 viable organisms per m <sup>3</sup>	< 10 viable organisms per m <sup>3</sup>
< 50 µ and ≥ 10 µ in min. dimension	< 18 viable organisms per 100 ml	< 1000 viable organisms per 100 ml
< 10 µ in min. dimension	N/A bacteria per 100 ml N/A viruses per 100 ml	No limit
Escherichia Coli	10 CFU per 100 ml	< 250 CFU per 100 ml
Intestinal Enterococci	10 CFU per 100 ml	< 100 CFU per 100 ml
Toxicogenic Vibrio Cholerae	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

For more information on Marine & Offshore solutions, please visit [www.desmioceanguard.com](http://www.desmioceanguard.com)

## DESMI Ocean Guard A/S

### Skid mounted solution



### Container solution



### Components delivery

