

# BALLAST WATER



Right from the beginning until the legislation we have worked together with our cooperation partners. Together we promoted the development of trendsetting electrolytic ballast purification for the pollution reduction. The ballast water in the ships, which serves for the stability, contains microorganisms. The ballast water is treated with the help of our rectifiers to avoid negative influence in the ecosystem of unfiltered drainage of the loaded water. This process neutralizes the organisms, whereby the water can be treated ecologically and returned to the sea.

For this specific requirement, our power supplies offer advantages such as:

- high quality standard
- high reliability
- extremely robust construction
- certification for the constant vibrations and pollution in the freight hold
- most recent state of the art of technology
- energy-efficient
- corrosion-resistant

## TECHNICAL DATA

Supply Voltage:	220-690V / 50-60 Hz, 3-phasic
EMC conformity:	89/336/EWG new Version 93/68/EWG
LVD conformity:	73/23/EWG Version 93/68/EWG, 2006/95/EG
Marine standards:	According to IEC 60092-101, IEC 60092-304
Protection class:	IP54
Power Factor:	0.9
Efficiency:	>85 % Typical >93 % -96.8 %
Ambient Temperatur:	Typical (35°C) Seacure (45°C)
Cooling Water Temperatur:	between 18-30°C
Cooling Water Pressure:	2-5 bar
Regulation Range:	0-100 % for Volts and Amps
DC Ripple:	5-7 % at max. rating (Reduction possible)
Rated Output:	0-400 Volt
POUT Maximum:	0-100 %
VOUT Maximum:	0-400 Volt

