

GERTSEN & OLUFSEN BIOREACTOR

G&O Advanced Waste Water Treatment Plant in Full Compliance
with IMO MEPC 227(64) Regulations

ADVANCED DESIGN

Gersten & Olufsen A/S is a maritime solutions provider meeting the toughest requirements. We combine the use of cost effective solutions with cutting edge technology, without compromising of the environmental concerns.

Gertsen & Olufsen is using an activated sludge process combined with an anoxic nitrogen removal and simultaneous phosphorus precipitation.

Sludge separation before outlet is conducted in an advance ultrafiltration/membrane unit combined with a biological oxidation unit.

Test results and operational experience with more than 850 plants delivered since 2002 has proven that the G&O Bioreactor offers high efficiency, fully operational flexibility of the vessel and low maintenance requirements.

Additional key features include:

- **Tailor made solutions - build as a modular system to increase/decrease the hydraulic capacity**
- **Custom designed systems - e.g. where space limitations disqualify the use of standard systems**
- **Tailormade Split units - e.g. for retrofit projects**
- **Minimum maintenance requirements**
- **Danish design, produced in EU**
- **Fitted with high-end quality components from European suppliers**
- **Designed for gravity and vacuum systems**
- **Low power consumption**
- **Easy operation/minimum manual operation**
- **Easy access for inspections.**

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TECHNICAL FACTS

- **Design range: 2,5 m³/d - 280 m³/d**
- **Compact design and low weight**
- **Organic removal of Nitrogen and Phosphor**
- **Available in painted black steel & stainless steel**
- **Ex and ATEX systems available for i.e. Offshore use**
- **Ultrafiltration/membrane, outlet < 0,04 - 0,3 µm (0.0003 millimeters)**
- **Odour-free**
- **Full SCADA interface available**
- **IMO 227(64) including special areas (Baltic Sea)/section 4.2**
- **Class approval from all the major Classification societies.**
- **Service agreements**
- **Sludge handling Systems**

IMO MEPC 227(64) - Meeting and exceeding IMO rules

The G&O Bioreactor is tested and type approved by an accredited institution in accordance with IMO MEPC 227(64). All test results meets and exceeds the IMO Rules.

