

# Potable Water Maker

## Desalination & filtration solution



Guldager's reverse osmosis (RO) units are intended for desalination of sea water for the reliable supply of potable and technical water for offshore and marine installations.

### Function

The potable water is produced from seawater in a desalination process including several process steps. By using the reverse osmosis principle, the water is passed through a membrane allowing only the water molecules to pass. The filtration takes place under relatively high pressure, 60 bars.

Available with all necessary pretreatment, filtration, chlorination and dechlorination before the RO membrane unit and rehardening, post treatment and distribution pump system.

Water quality according to WHO, national or company standards.

### Design

The water makers are designed according to international and customer standards and are delivered as skid mounted plug and play units.

The water makers require little or no maintenance once installed. Available in all capacities with optional redundancy.

### Application:

- Hotels
- Municipalities
- Agriculture
- Construction site
- Refugee camp
- Offshore

## Rehardening and post treatment

Desalinated sea water contains no hardness and may have a flat and anonymous taste, as well as it may be difficult to rinse off the soap when taking a shower.

Guldager manufactures stand alone, plug and play units for rehardening and post treatment of desalinated water. CO<sub>2</sub> and / or silicate dosing, dolomite filter and pH monitoring are used to increase the achieved quality of the water. UV and / or OPR sensor controlled chlorination ensure high hygienic standard of the water.

The result is accurate and provides stable control of:

- Hardness
- pH
- High hygienic standards

## Global Service

Service and aftermarket support worldwide either directly from Guldager A/S' headquarters in Denmark or by local partners. You can rely safely on our commitment to deliver our dedicated offshore support for commissioning, field service, replacement parts and spare parts.

## Quality and Certification

All antifouling units and potable water makers are custom made, skid mounted, plug & play units. They are equipped with all necessary equipment in high quality materials and manufacture.

The units are in accordance with all applicable directives, international and national standards as well as specific customer company standards.

All units can be placed anywhere inside, outside or as DNV 2.7-1 container solutions. Certification for all classification areas, zones 1, 2 by notified body.



## Guldager A/S

Guldager A/S is a Danish manufacture and service provider of product solutions for water treatment to offshore, industry and heating systems.

With more than 65 years of experience, thousands of installations and several patents, we are a serious, flexible and loyal partner to our customers.

Guldager A/S is Achilles certified, has an AAA credit rating and offshore references since 1988.



## Guldager Service

Our service concept consists of standard and flexible solutions customized for specific needs.

- Surveillance, fast and skilled assistance.
- Advanced equipment and metering procedures.

Call us on +45 48 13 44 00.