



# Marine ship desaliner and heater

## Fresh Water Distillers Spare Parts

The fresh Water Distiller works on the well-known vacuum distillation principle. Waste heat from the main engine on board is used as heating medium for evaporation. The plates type Fresh Water Distiller is based on two plate stacks.

The evaporator chamber is kept under vacuum by a water ejector driven by the seawater from the condenser. Part of the heated seawater is used as feed water for the evaporator. On entering the evaporating chamber this water evaporates due to the vacuum. A deflector and built-in de-mister removes any water droplets still present. These fall back into the brine, which is extracted from the sump by an ejector pump. The desalted water vapour is condensed in the plate condenser using cold seawater.

## Fresh Water Distillers

- JWP 16 - JWP 26 - JWP 36

Titanium plates, spare gaskets and the whole range of spares is available.



## Brazed Plate Heat Exchangers

Manufactured to the highest standards utilizing the latest production technology. Our Brazed Plate Heat Exchangers meet the demanding quality requirements of the internationally recognized industry standards organizations.

## Operation

Exactly as the originals.

Our Brazed Plate Heat Exchangers meet the needs for heating Fuel Oil and Lub Oil to ensure proper processing from the purifier.

## Advantages

Brazed PHE units give you the opportunity to:

- Design more compact engineered systems.
- Install a more cost effective, superior solution to your heat transfer applications.
- Reduce cooling media volume, further reducing the cost of fluid handling systems and energy consumption.
- Simplify maintenance and repair.

## Technical specifications

Design Temperature: Max. +225°C Min. -160°C Max.

Design Pressure: 3.0MPa

Max. Test Pressure: 4.5MPa

Brazing Material: Copper

Insulating Cover: Aluminum

Medium: Mineral Oil

Heating Media: Steam, Hot Water,

Thermal Oil Plates: Stainless Steel AISI 316

