

## Heat Exchangers, Air Coolers Fabrication & Boiler Repairs & Spares

OkeanOne continues the efforts to enlarge our worldwide network. We are pleased to announce our expansion in China, Representing Exclusively in the Greek, Cypriot and Turkish shipping market, Chiefan Marine.

We, at OkeanOne, work and serve your good vessels punctually and efficiently. We are capable of trading worldwide, sending the fabricated parts or delivering the ordered items to any port and providing repairs to your vessels during Drydock Repairs Projects. We are subcontractors for many Repair Yards having the access to the majority of Chinese Shipyards.

### FABRICATION / REPAIR / SERVICE:

- ME/AE Air Coolers for all engine types Man, Yanmar, Mitsubishi, Wartsila, Daihatsu, Caterpillar etc.
- Shell-Tube Type Heat Exchangers
- Plate Type Heat Exchangers
- A/C Condenser (ATM /Vacuum), A/C Heater, A/C Compressor, A/C Evaporator
- Evaporator Crane Oil Cooler, GE Radiator
- Lub. Oil & Fresh Water Cooler/Heater
- Pressure Water Tank/ Calorifier / Electrical Heater / Air Bottle

EXW: Nantong / China

Average Fabrication Time: 3 – 7 Days

Best regards,

Christos Kaptanoglou, Managing Director

### MARINE BOILER TUBES REPAIRS:

- Main & Aux Boilers Re-tubing
- Boiler Pin-Fin/H-Fin Tubes Fabrication
- Boiler Chemical Cleaning
- Marine automatic equipment
- CNC Bending & Refractory Work

### SPARE PARTS / COMPONENTS

- Plate Heat Exchangers
- Gaskets & Plates
- Marine Boiler
- General Spares
- Water & Air Filters

REPLACEMENT OF CORRUGATED FURNACE TUBE PLATES AND SMOKE TUBES  
POST-WELDING HEAT TREATMENT ON SITE



### Air Coolers

Applied To Following Engine Type:

- MAN
- B & W
- SULZER
- YANMAR
- MITSUBISHI
- WARTSILA
- KASAKA
- FIAT
- BLACKSTONE
- MAK
- PIELSTECK
- EPIJET
- S.K.L.
- CREPELLLE
- MWM
- ALFA
- CATERPILLAR
- DAHATSU
- NICHIF POLAR

**Material:**  
tube: Steel, Naval Brass  
tube: Al-Cu, Cu-Ni  
Fin: Copper



### Metal-Plastic Complex Cover and Pipe

Stable plastic lining would prevent corrosion greatly. Extend lifetime and reduce cost of maintenance.



Fresh water generator



ATM condenser



L.O. cooler



F.O. heater



Heater bundle



Cargo heater assembly

### Metal-Plastic Complex Cover and Pipe

Stable plastic lining would prevent corrosion greatly. Extend lifetime and reduce cost of maintenance.



lining material: PE/PP/PVC  
lining thickness: 2-10mm  
working temperature: -40°C-120°C  
working pressure: 0-1.6MPa

### Plate Type Heat Exchanger

Function Classification: Plate Type Cooler / Plate Type Heater.

Plate Type Cooler is used in cooling of circulating oil/fresh water/sea water or other medium of dynamic equipment.  
Plate Type Heater is used in heating of fresh water / oil / drinking water.

### Plate Type Heat Exchanger Structure Drawing

- 1) Dead Loading Plate
- 2) Flange
- 3) Gasket
- 4) Connecting Pipe / Flange
- 5) Up-down-leader
- 6) Holding-leader
- 7) Working Loading Plate
- 8) Support
- 9) Clamp Bolt & Nut



**High heat transmission**  
Plate type heat exchanger has the best of plates, the heat transfer coefficient is 1.5 to 3 times higher than tube type heat exchanger.

**Easy for dismantling**  
Plate type heat exchanger is the only special structure, and it is easy to dismantle. It is easy to clean or repair. It is easy to change the medium or the direction of the flow.

**Low fouling possibility**  
The large number of plates in the heat exchanger can reduce the fouling possibility. The large number of plates can reduce the fouling possibility.

### Plate Type Heat Exchanger Advantage

- Compact size  
The plate heat exchanger is compact and easy to install. It is suitable for the installation in the narrow space.
- High rate of heat recovery  
The large number of plates in the heat exchanger can reduce the fouling possibility. The large number of plates can reduce the fouling possibility.
- Light weight  
The weight of the plate heat exchanger is light. It is suitable for the installation in the narrow space.