



Oco Marine Equipment Ltd.
南通欧科船舶设备有限公司

Oco Marine, Your Most Reliable Partner

Oco Marine is known all over the world as an innovative, dedicated and reliable thermal equipment & engineering partner.

Oco Marine's success is based upon high-class quality, professional service, broad experience and long-term relationship with customers.

Oco Marine designs and manufactures its products to highest standards to ensure a long operational lifetime and durability.

If required, the products can be quality assured by all main certification societies.

Oco Marine provides a complete after sales service from supply of spare parts to inspection, maintenance and repair.

Professional In Thermal & Refrigeration Technology

- ◆ Heat Exchanger
- ◆ Marine Boiler Service
- ◆ Electrical Heater
- ◆ Air-conditioner and Refrigerator

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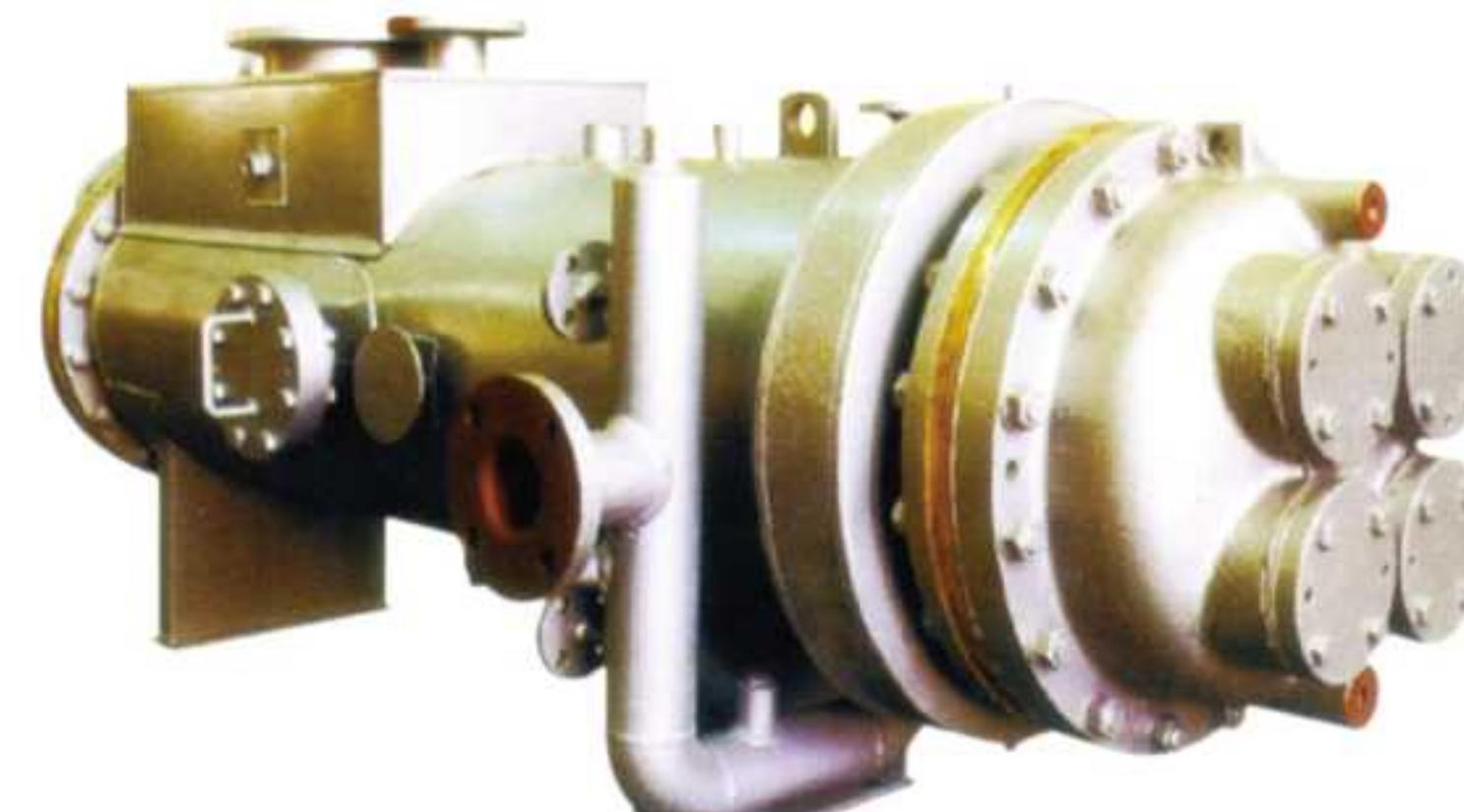
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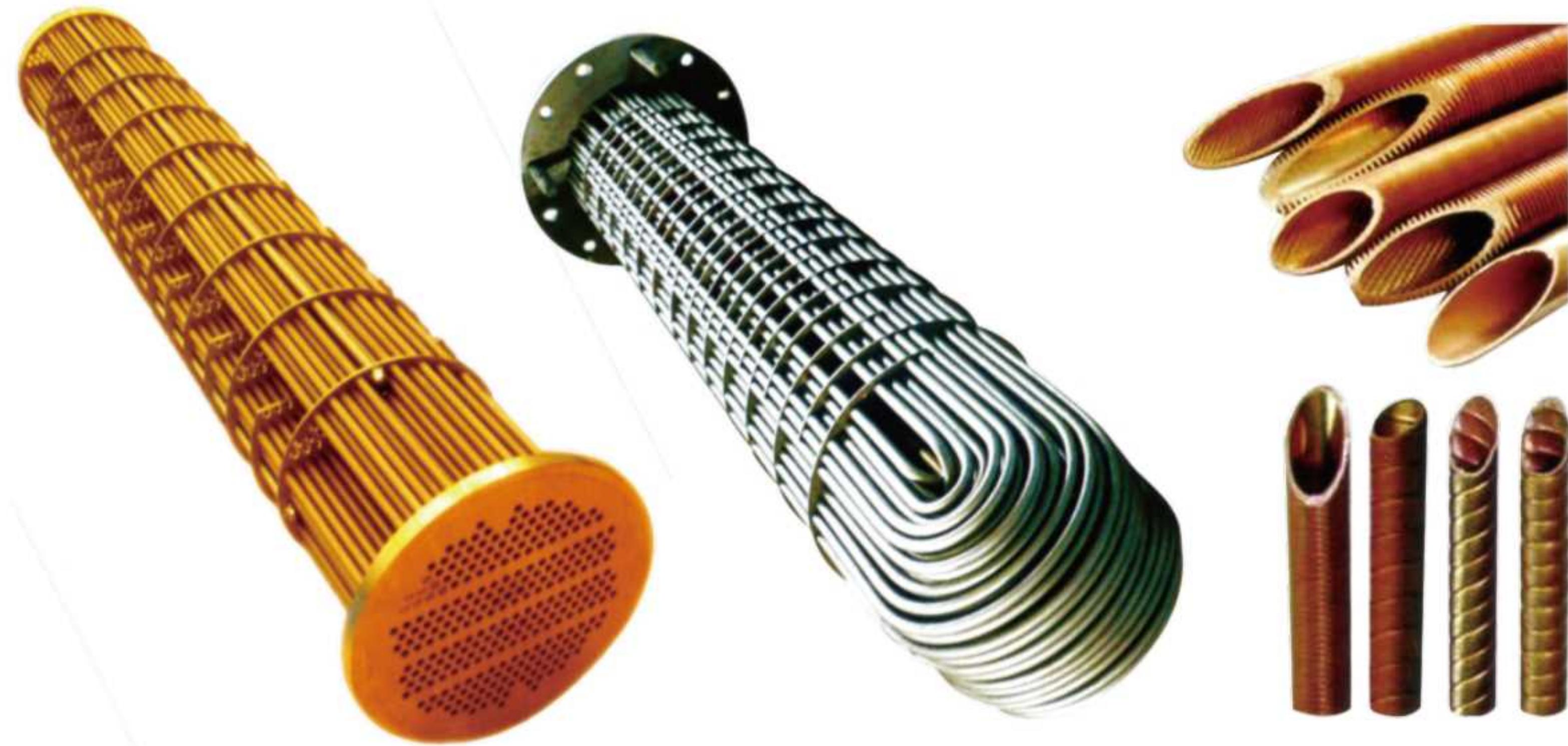
high-class quality and professional service



Fresh water generator



ATM condenser



Shell-tube heat exchanger has more advantages in cost, maintenance, condition. It is especially applied to high thermal capacity medium such as liquid, steam.

typical applications as follows:

- ◆ vacuum condenser
- ◆ L.O. cooler
- ◆ F.W. cooler
- ◆ ATM condenser
- ◆ F.O. heater
- ◆ butter worth heater
- ◆ A/C condenser
- ◆ F.O. heater
- ◆ fresh water generator

- design according to thermodynamic parameters and fixing dimensions.
- manufacture based on advanced technology and normative procedure.
- board to survey if possible when technical file was missing.
- also provide following professional services:
 - ◆ detection leakage and mending or plugging.
 - ◆ removal and installation.
 - ◆ chemical and ultrasonic cleaning.
 - ◆ retubing partly or fully.
 - ◆ mending shell.



L.O. cooler



F.O. heater

Metal-Plastic Complex Cover and Pipe

Stable plastic lining would prevent corrosion greatly. Prolong lifetime and decrease cost of maintenance.



lining material: PE/PP/PVC
lining thickness: 3~10mm
working temperature: -40°C~120°C
working pressure: 0~1.6MPa

Hydraulic Oil Cooler (radiator)



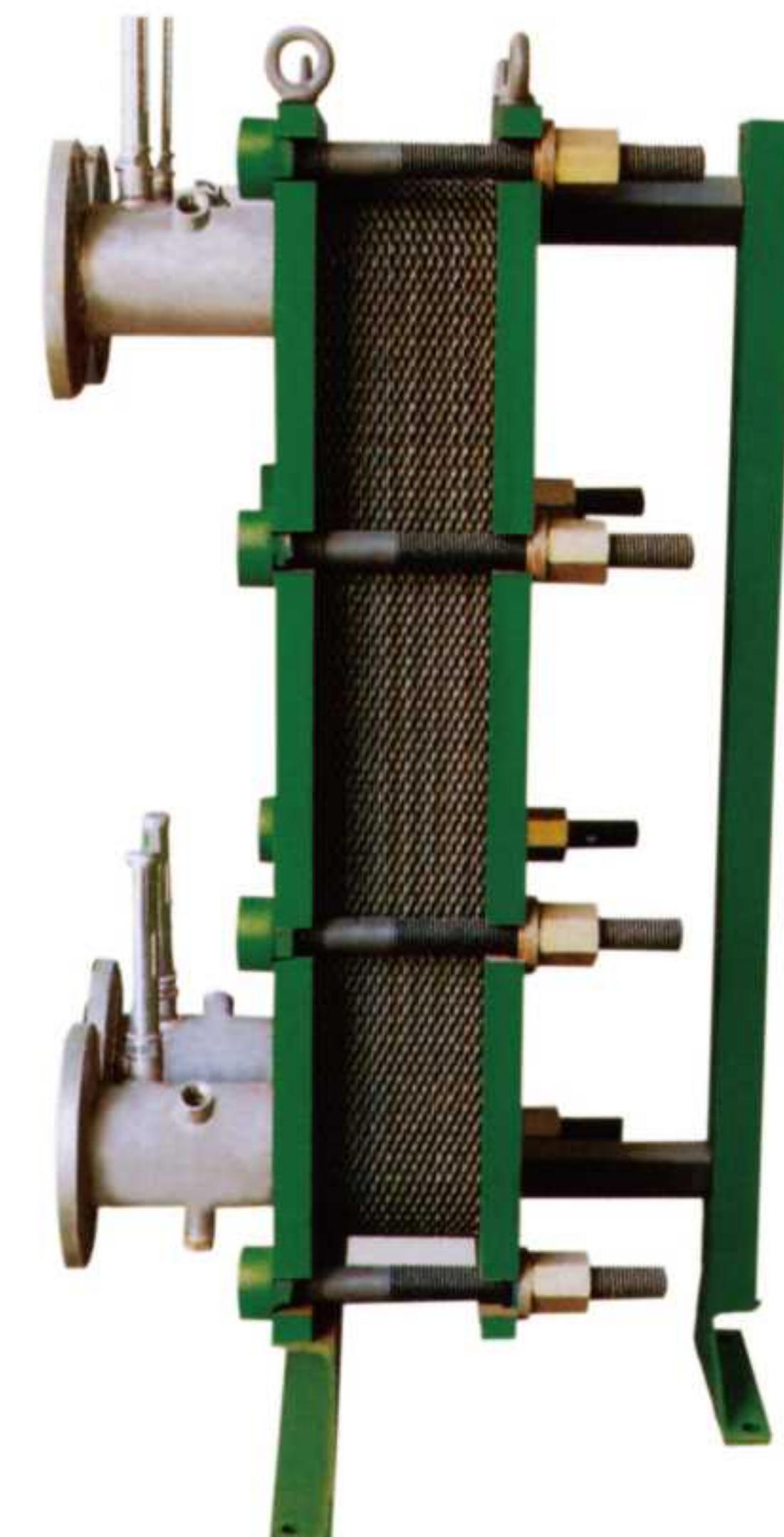
Glass-fiber Reinforced Epoxy Pipe



Plate Heat Exchanger

• Sorts & Use

Function Classification: Plate Type Cooler / Plate Type Heater Plate Type Cooler is used in cooling of lubricating oil / fresh water / acid or alkali medium of dynamic equipment; Plate Type Heater is used in heating of fresh water / oil / drinking water.



• Structure

Plate Type Heat Exchanger enjoys advantages of compact shape, small size and convenient maintenance. Different corrugations (ripple / level / inverted / diagonal) and good performance are decided with heat transmission of Plate Type Heat Exchanger.

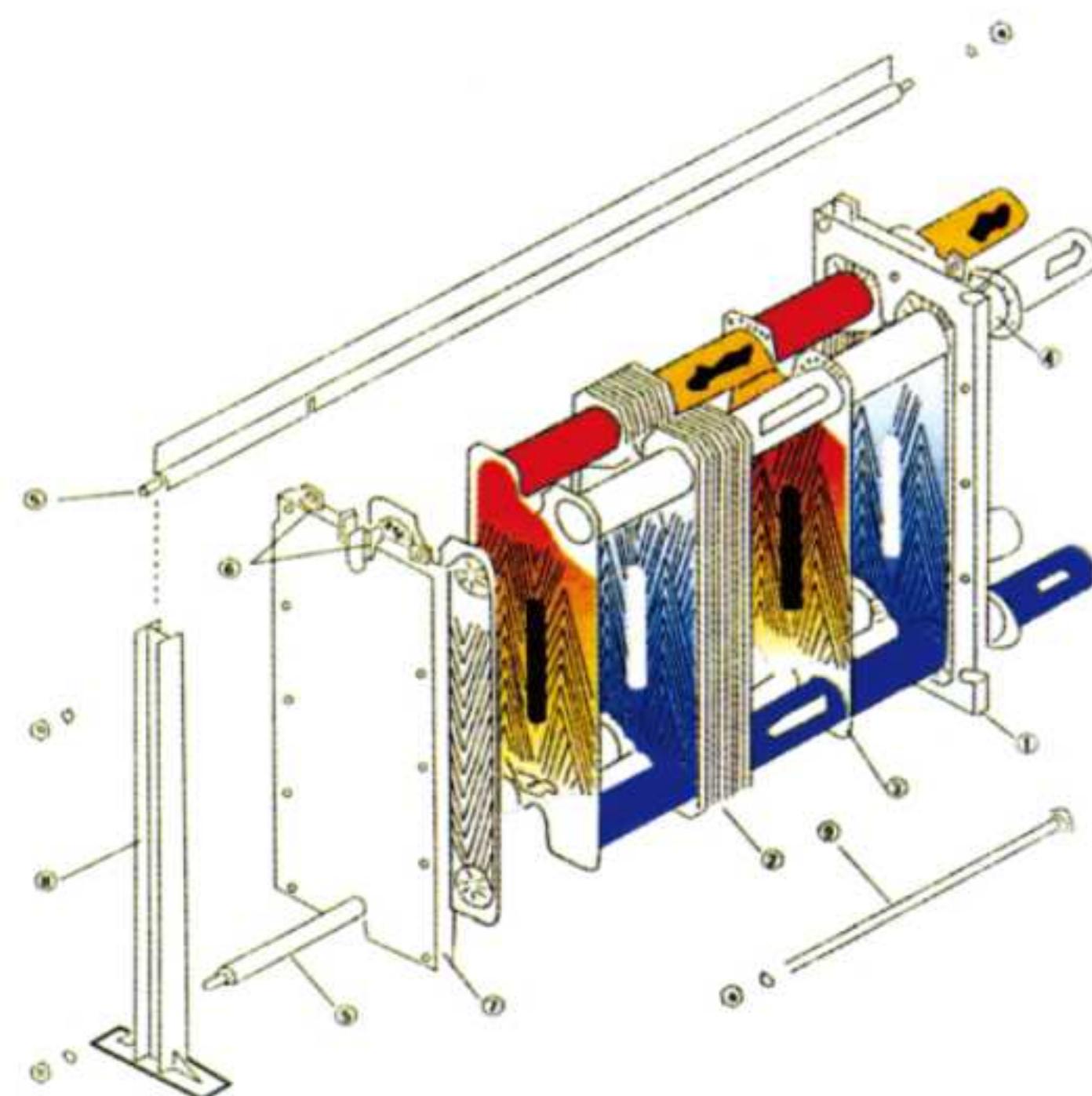


Plate Type Heat Exchanger Structure Drawing

- 1) dead locking plate
- 2) plate
- 3) gasket
- 4) connecting pipe / Flange
- 5) up-down-leader
- 6) rolling-device
- 7) moving locking plate
- 8) support
- 9) clamp bolt & nut

Plate Type Heat Exchanger Structure Drawing

- Design for MGO/MDO cooler

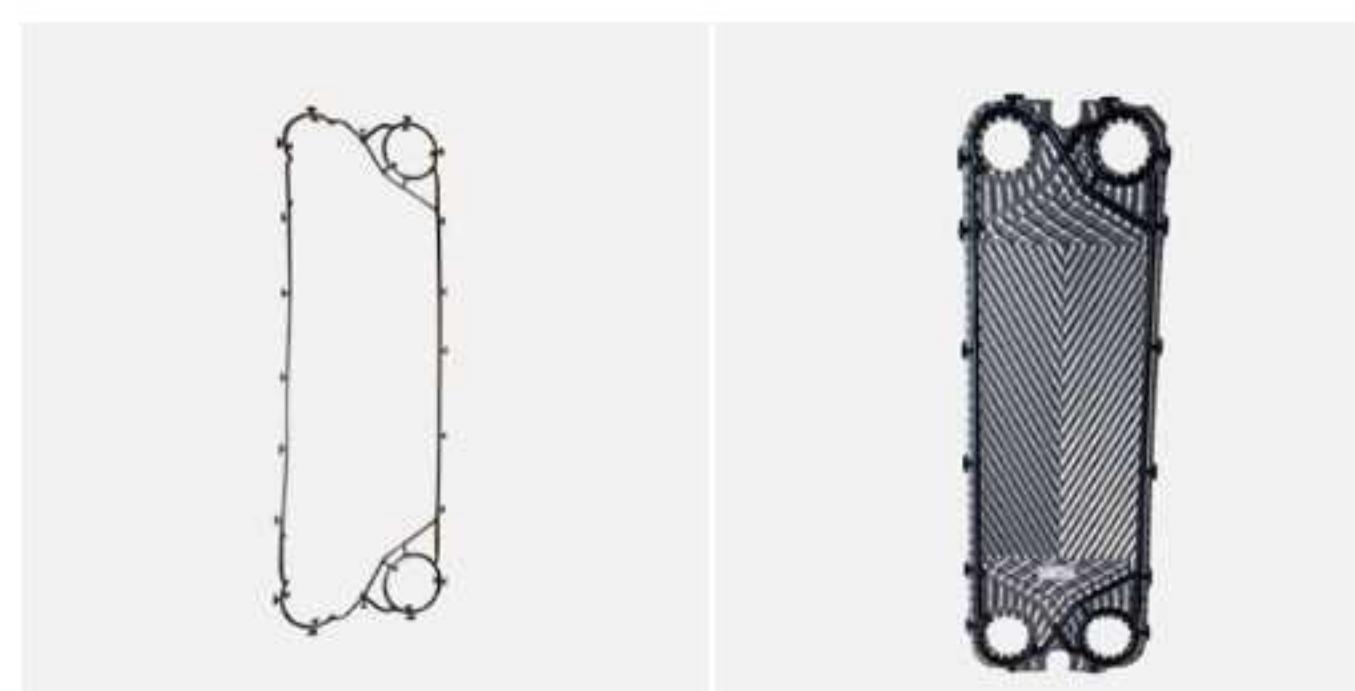
Plate cooler for MGO/MDO Type selection

Fill Below Medium date requirement

F.O (MGO/MDO)	Cooling water (sea water / fresh water)		
Temp. inlet	() °C	Temp.inlet	() °C
Temp. outlet	40 °C/ ()		
Volume	(m³/h)	Volume	(m³/h)



- Various plate and gasket to choose



- Cleaning & replace gaskets (CFW) on board



Before

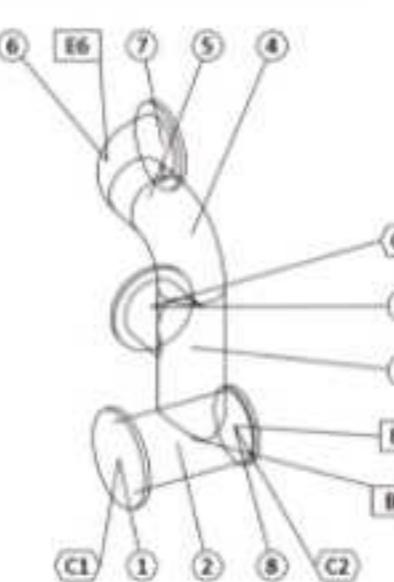
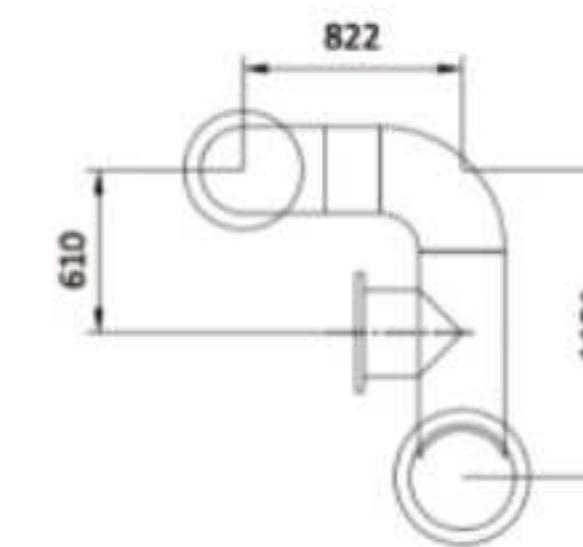
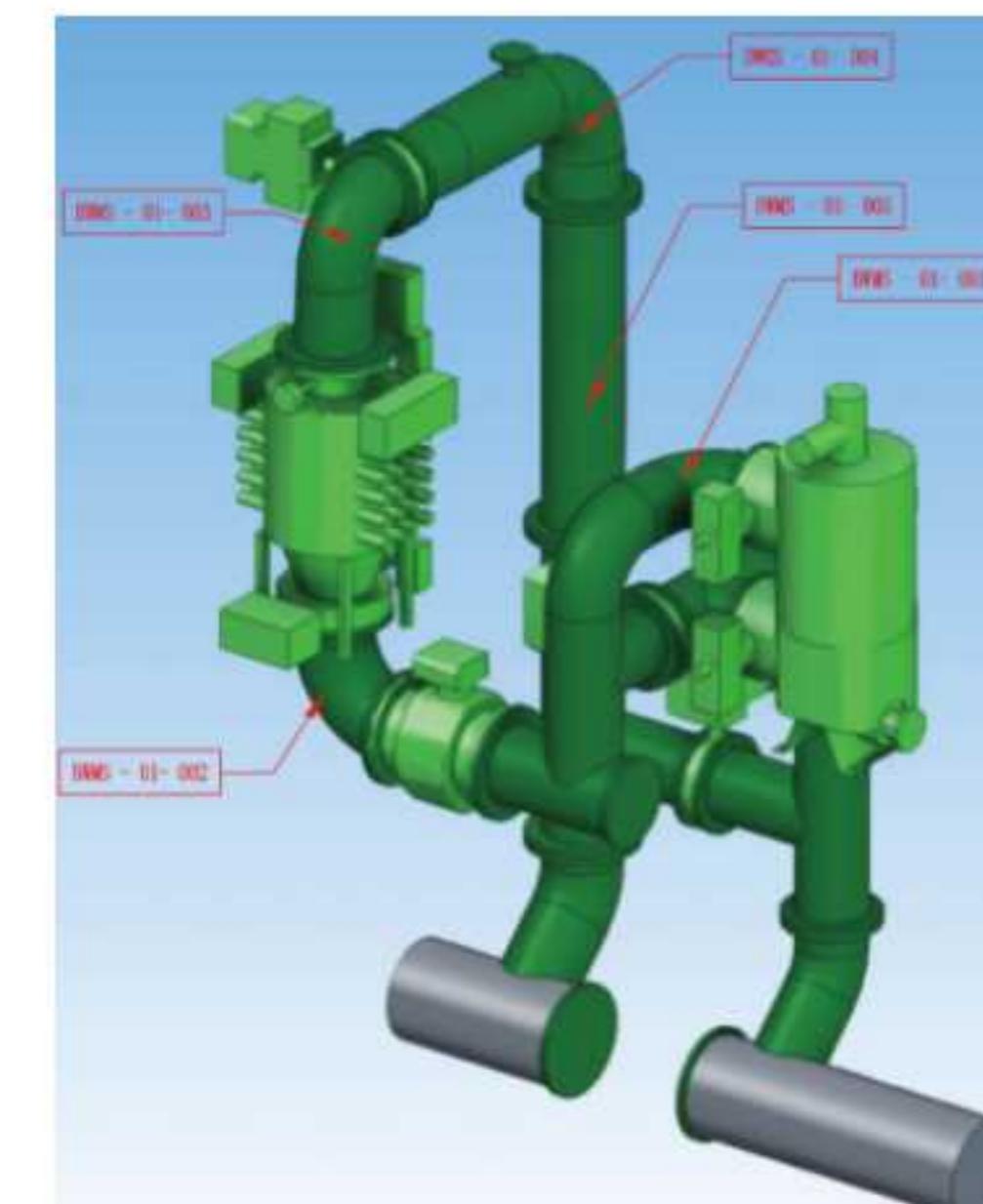


after cleaning

Prefabrication BWTS' Piping

- Prefabrication piping set

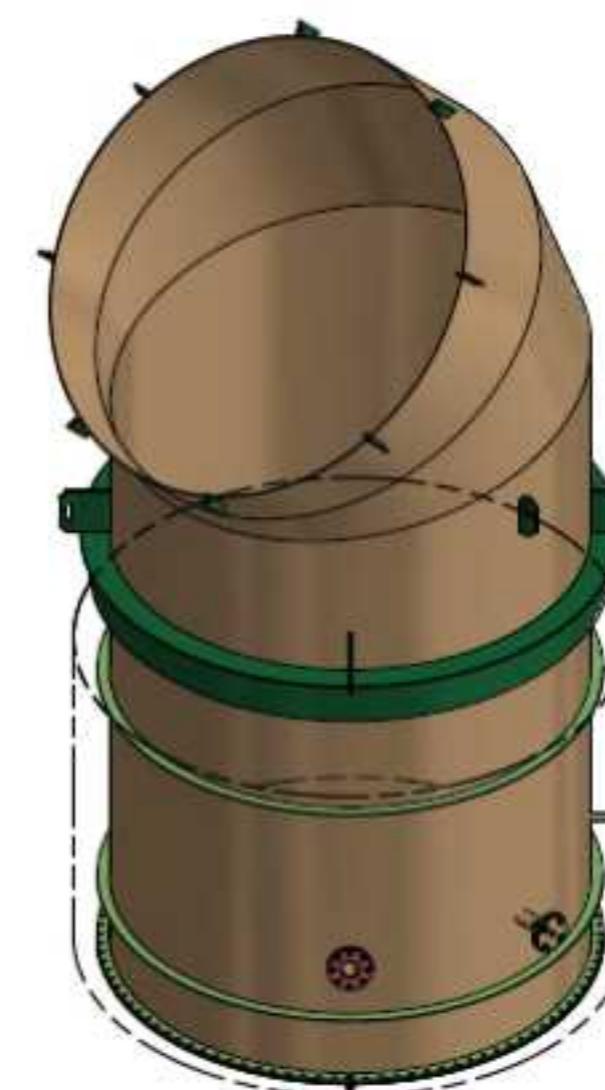
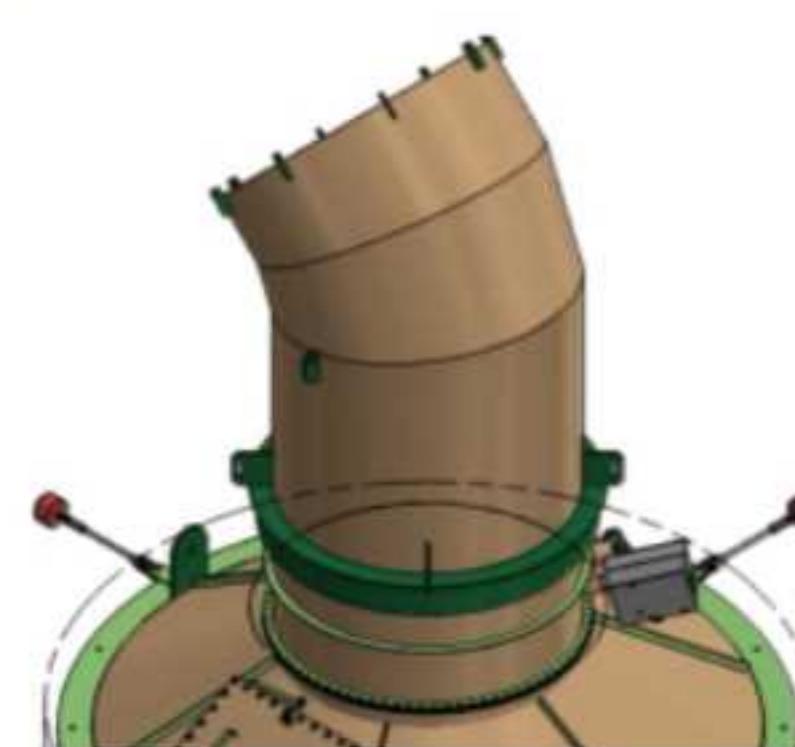
Fabrication according to client's drawing, accurate dimensions for further installation, coating Galvanize or specified PE



Prefabrication Gas pipe of Scrubber

- Fabrication Gas pipe

Fabrication according to client's drawing, Fire (high temperature) resistance stainless steel



Valve & Filter



Electrical Heater

Technical Data:

Heating capacity: 5~150KW

Working pressure: 0~16bar

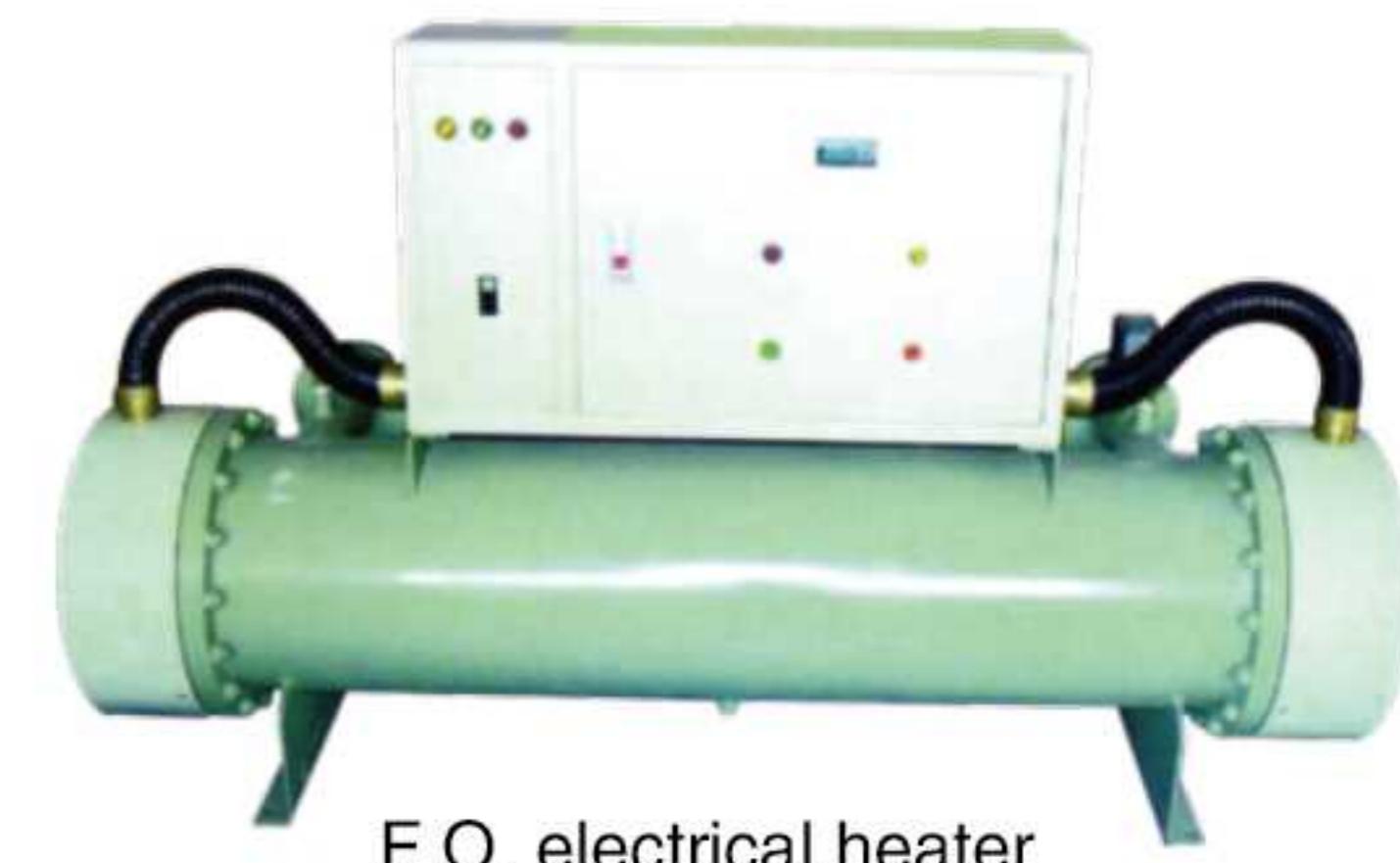
Working temperature: 30°C~150°C

Surface loads:

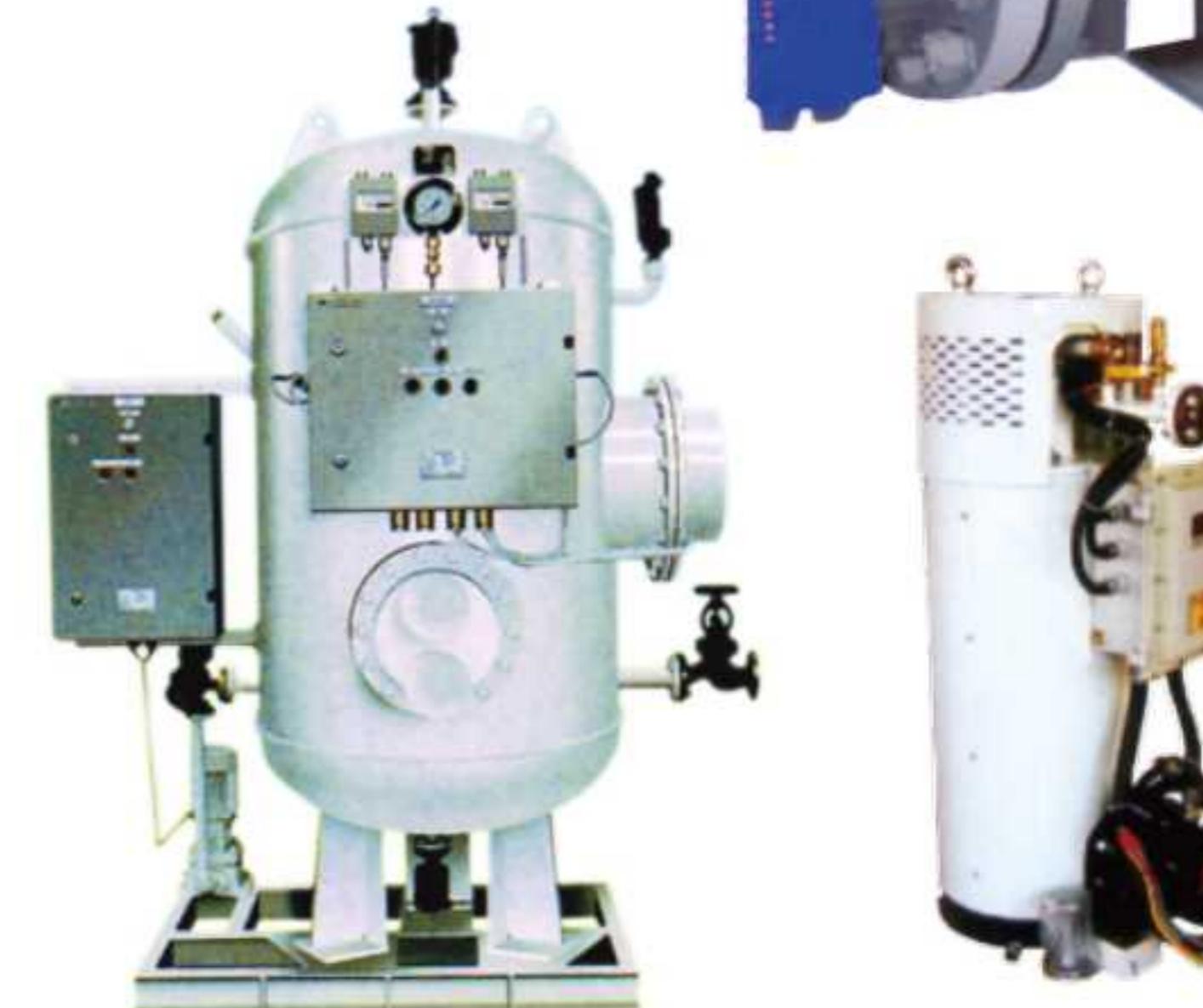
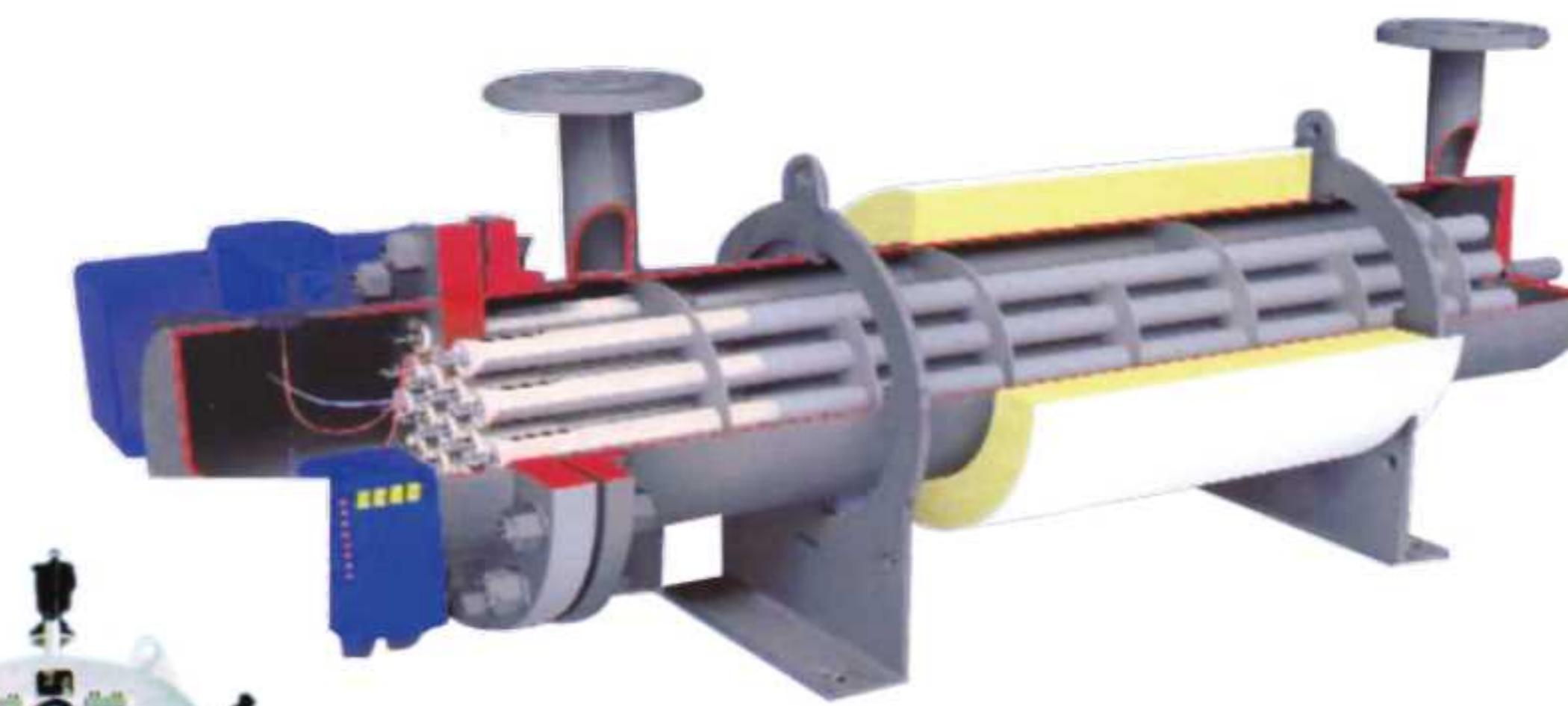
Air: 1.0~2.0 W/cm²

Water: 3.0~8.0 W/cm²

Oil: 0.5~1.5 W/cm²



F.O. electrical heater



Water tank

Sanitary electrical heater

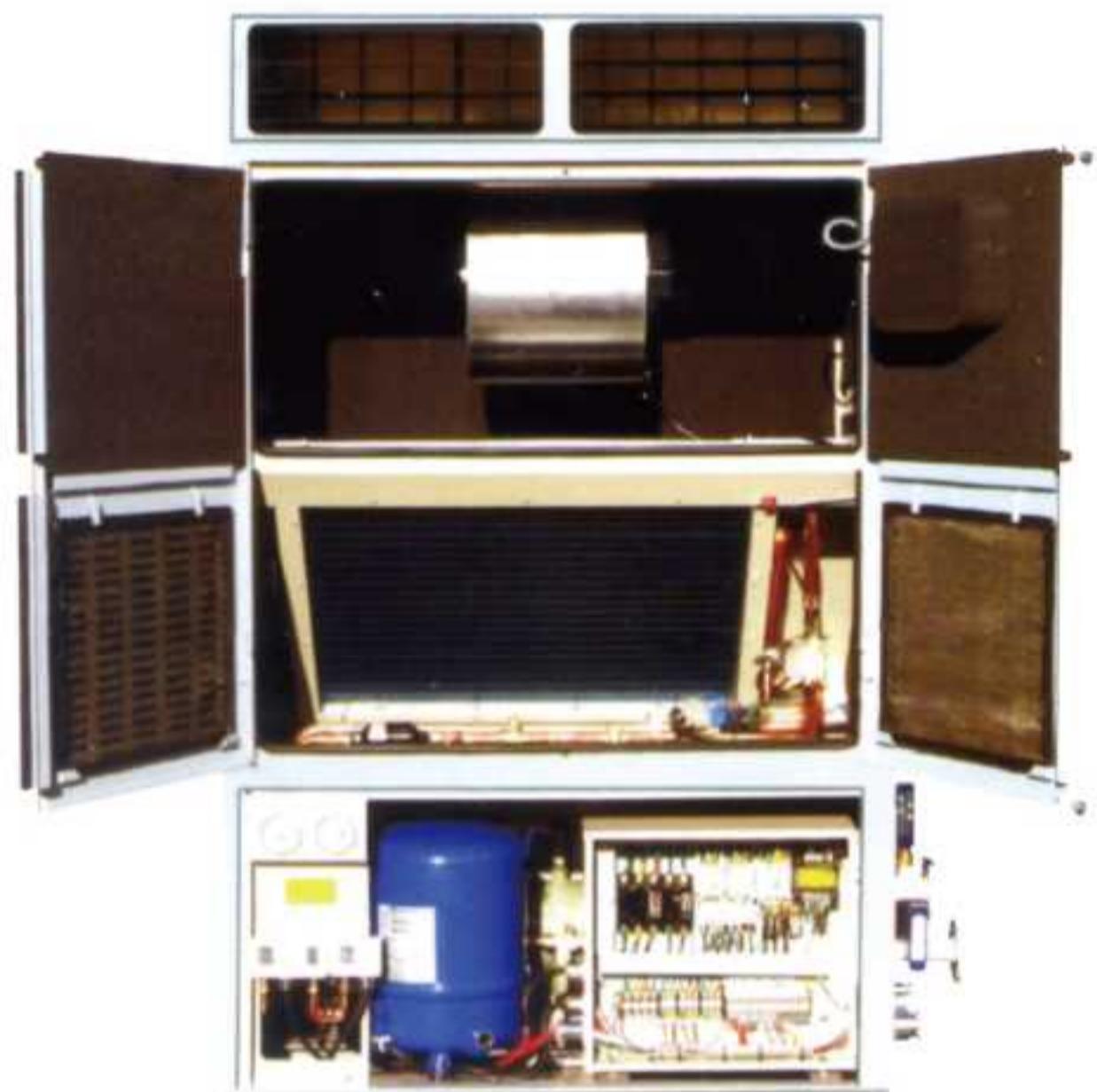
- Safe electric heating element.
- Credible control unit and sensor.
- High control precision.
- Multiple safety protection.
- Flexible design for customization.
- Applied to heat air, water, oil.

Electrical elements

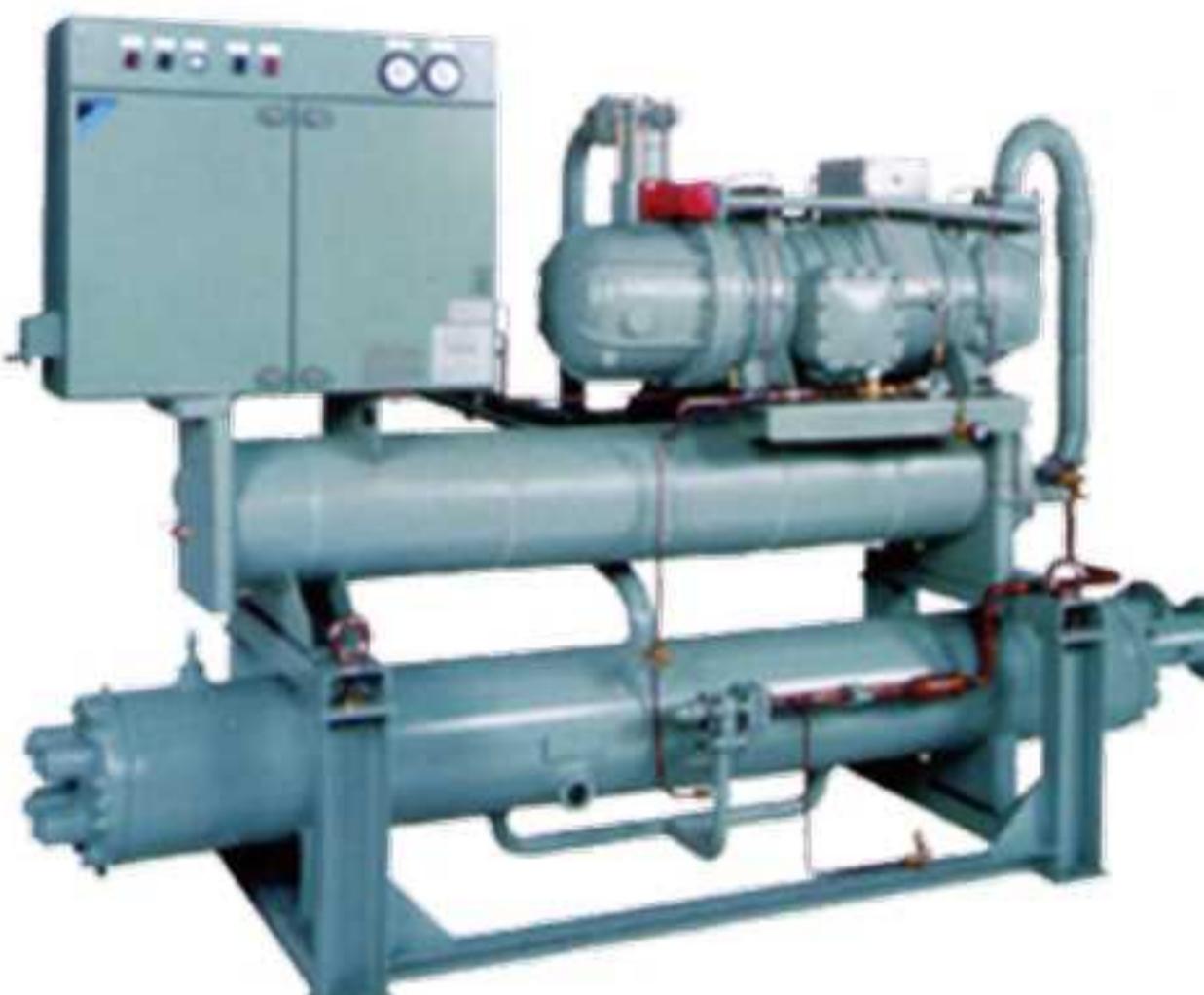


Fog resistant glass with electrical heater

Air-conditioner and Refrigerator



Control room A/C



Refrigerator

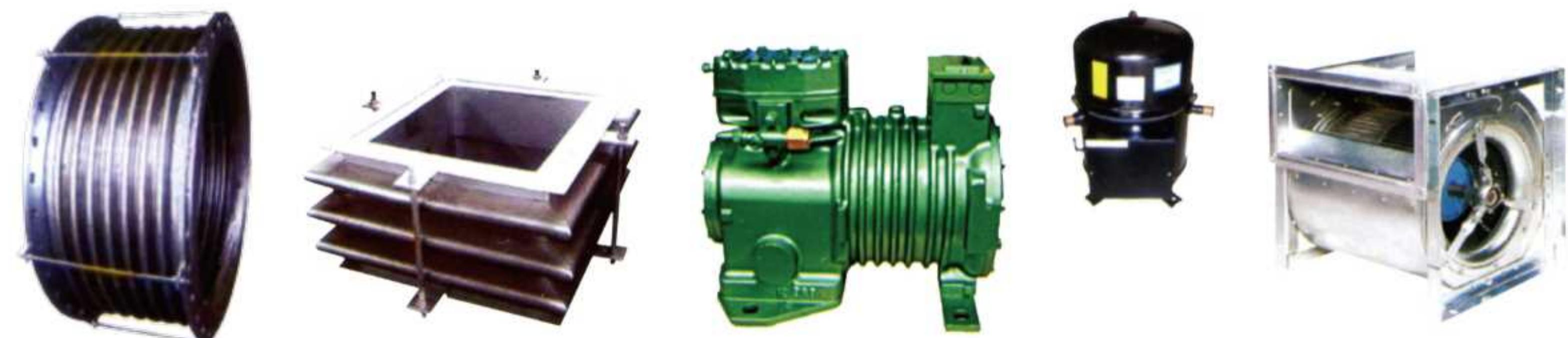
**24 hours emergency or general service in china,
Full engineers and implements are available.**

- ◆ Professionally inspect system and advise.
- ◆ Manufacture or repair condenser and evaporator.
- ◆ Renew or overhaul compressor, expansion valve, filter, draught fan, motor, etc.
- ◆ Connect circuit, detect leakage, then vacuumize.
- ◆ Retrieve and fill refrigerant medium.
- ◆ Inspect control system and renew elements.
- ◆ Debug full system in good condition.

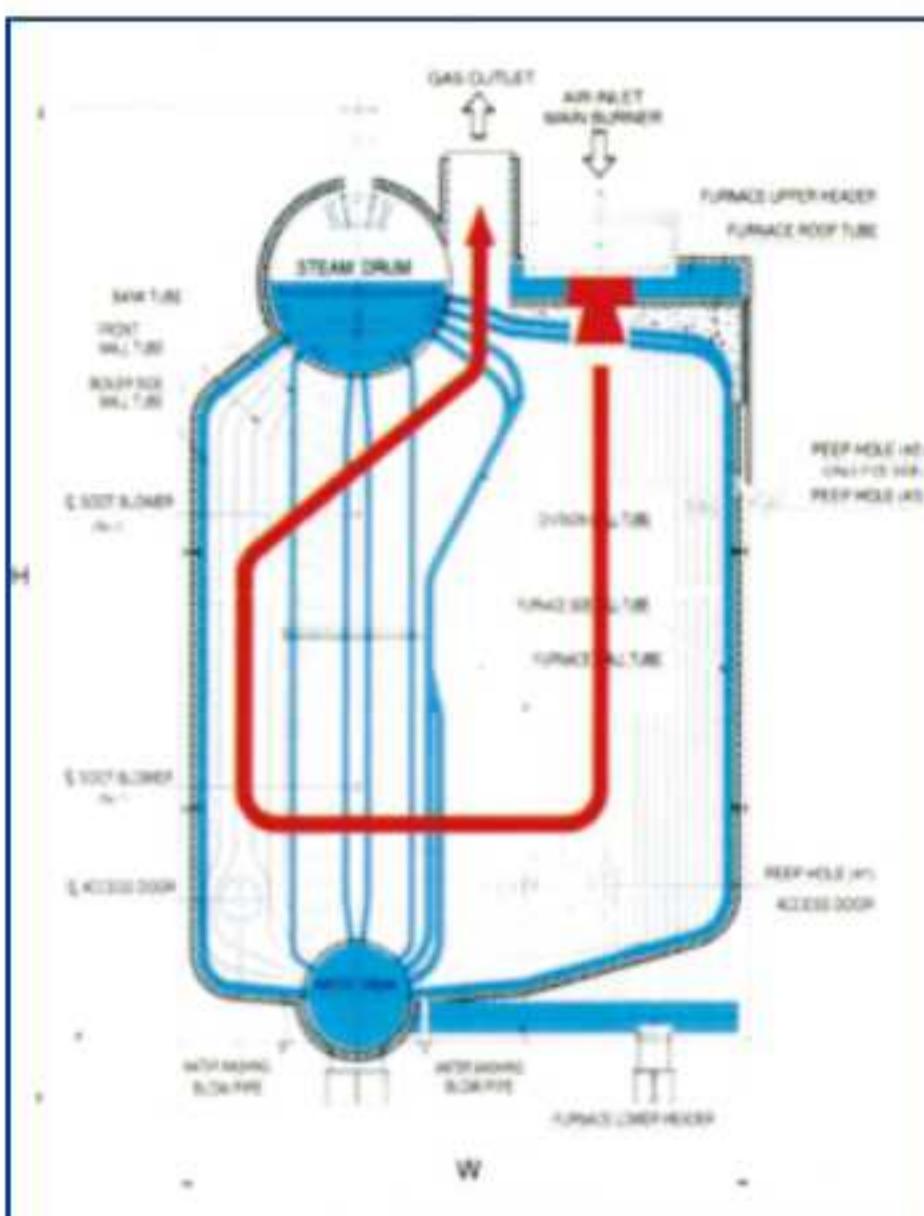


A/C condenser and evaporator

Expansion Bellows (Joints)

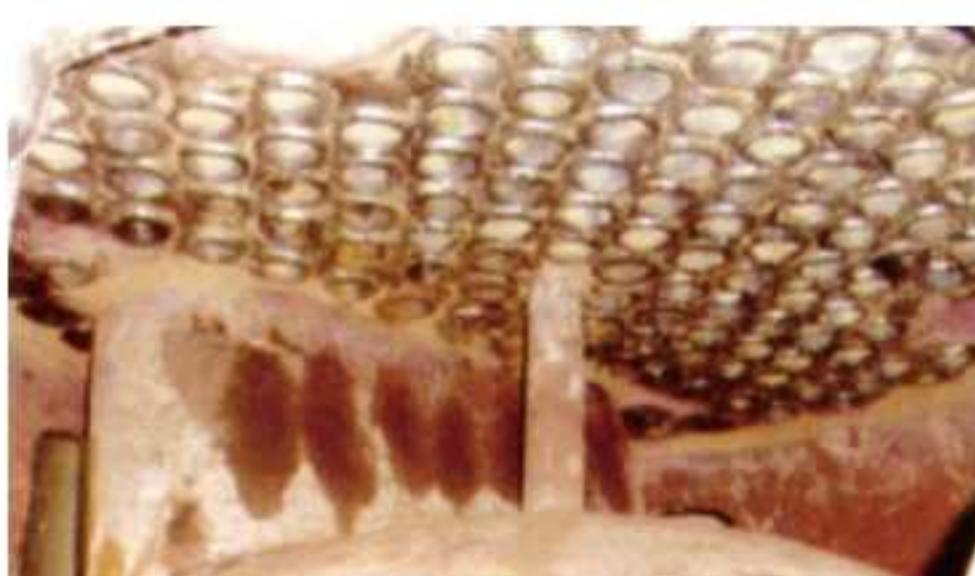


Marine Boiler Repairs



Marine Boiler Repairs For Following Boiler Makers

- ◆ Aalborg
- ◆ Kangrim
- ◆ Osaka
- ◆ Kawasaki
- ◆ Sunrod
- ◆ Miura
- ◆ Green
- ◆ Mitsubishi



Impeller Of Fans

