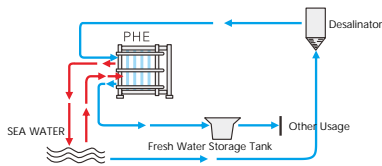


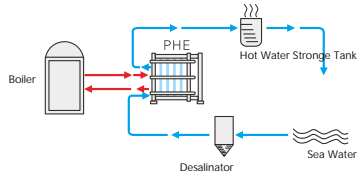
# MARINE APPLICATION 船舶应用

## MAIN MARINE APPLICATION OF YOJO HEAT EXCHANGER



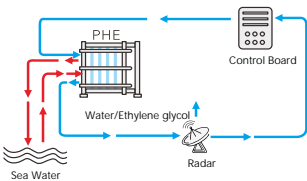
### Central Fresh Water Cooling

After desalination, sea water turn into fresh water and then enters the plate heat exchanger, which is used for heat exchange with sea water. After cooling, it enters the fresh water storage tank for various purposes. The plate heat exchanger use here is titanium plate to prevent seawater corrosion.



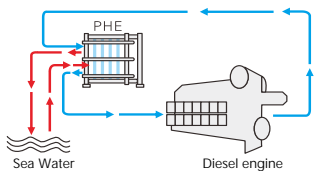
### Water for shipping heating service

After desalination, sea water enters the plate heat exchanger, which is used for heat exchange with water or furnace steam, and then the hot sea water will be reserved for other usage.



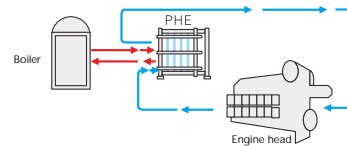
### Electronic cooling device

Important electronic cooling device and radar or sonic system needs to use pure water or ethylene glycol pure water to cooling. If we use plate heat exchanger to cool the sea water, the material of plate inside should be Titanium.



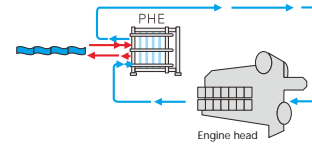
### Sea water cooling host jacket water

We needs jacket water to cool shipping host, and the sea water is cooled by jacket water through plate heat exchanger. And the plate material inside it is Titanium.



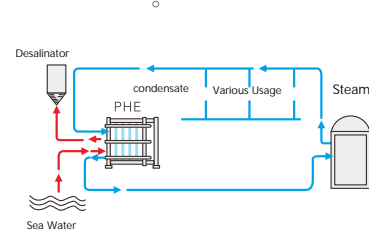
### Host Jacket Water Heating When Cold Start

The shipping host needs jacket water to preheat when it just starts, and the jacket water is heated by the furnace steam through plate heat exchanger.



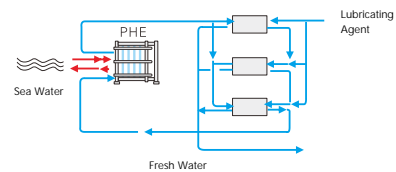
### Fresh water cooling host lubricating oil.

The lubricating oil in the gas turbine or diesel engine needs to be cooled by fresh water through PHE.



### Waste heat recovery

The sea water will be heated by various of used condensed furnace steam, then the preheated water will be desalinated after distilled in the desalinator. The material of PHE is Titanium.



### Gas turbine shipping lubricating oil cooling

Use sea water to cool down the lubricated oil in gas turbine through PHE, and the required plate material is Titanium.