

REPAIR/SERVICE & PARTS

Charged Air Cooler



NEW FABRICATION

We design and fabricate Charged Air Coolers used in the diesel engines and main engines of ocean-going vessels.

Through our continuous improvement efforts, we have improved our manufacturing processes to include specialized machineries and equipment, thus reducing our manufacturing time. Unlike the conventional means of mechanical expansion, our tubes are also hydraulically expanded, which ensure uniform expansion throughout the manufacturing process, thus minimizing any localized stress in the tubes.

With in-house quality control systems and certified ISO 9001:2015 standards in place, all charged air coolers undergo stringent quality checks at various manufacturing stage, including material testing, dimensional check, expansion ratios and hydrostatic test.

Periodic supplier audits also ensure that our suppliers provide us with materials of the highest quality, to keep up with our stringent quality requirements.



SERVICING

We conduct ultrasonic cleaning, vacuum leak test and other restoration works and repairs of Charged Air Coolers and its parts.

To provide our customers with quality product and shortest downtime, Heatec conduct our cleaning process in stainless steel chemicals tanks equipped with ultrasonic transducers and heaters, which expedite the removal of oil and foreign particles trapped between the fins.



Re-Engineering

Equipped with in-house design capability, Heatec is also able to re-engineer and manufacture Charged Air Coolers, making us the one stop shop for the clients 'heat exchangers' needs.



Plate Heat Exchanger



SERVICING

Complete Service:

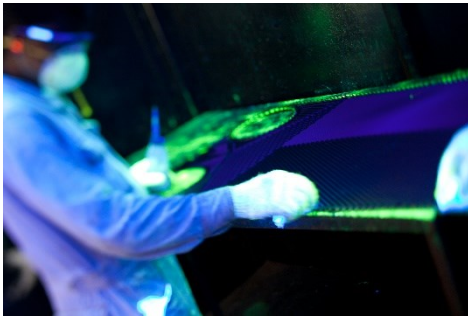
We provide full maintenance services for Plate Heat Exchangers including dismantling and assembly, chemical cleaning of plates, high pressure plate washing, cracks/pinholes detection, re-gasketing c/w oven-curing and other restoration works. Our highly skilled team able to work on site and onboard vessels at shipyards, anchorages, port terminals. We also have service teams for onshore industries/buildings.

Circulation Cleaning:

Our Cleaning-In-Place (CIP) is an effective method to clean Plate Heat Exchangers without opening the unit. Our CIP processes involves cleaning of fouling, descaling of lime deposits, passivation of cleaned surfaces to reduce vulnerability to corrosion & lastly neutralizing of cleaning liquids before draining. These maximize the efficiency, performance, and reliability of the plate heat exchanger.

In-situ Manual Cleaning:

We provide in-situ manual cleaning of Plates Heat Exchangers by dismantling plate pack on-site followed by high-pressure washing of individual plate before assembling back and testing. This serves as a good maintenance regime for our valuable clients, yet with shortest possible downtime.



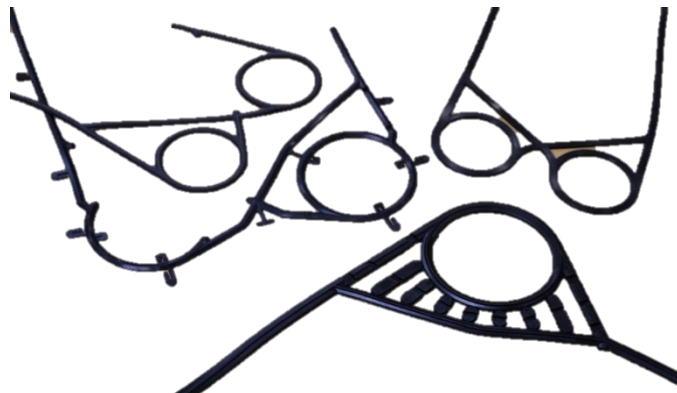
SPARES

We supply a comprehensive range of Plates and gaskets for the following makes: APV (SPX), Alfa Laval, DHP, Kelvion (GEA), Hisaka, Sondex, Donghwa, LHE & Tranter etc.

We do also supply parts like Fix plate, Pressure plate, Rubber spools, Tightening rods, Strainers/filters & etc for all the maker and models.

AUTHORIZED DEALER

Heatec is an authorized service provider & spares reseller for **Hisaka** Plate Heat Exchanger. We work very closely with Hisaka to support our clients' with the supply of Hisaka gaskets/plates/spares, replacement units and even offer long term exchange program for their Hisaka Plate Heat Exchangers.



Shell and Tube Heat Exchanger



NEW FABRICATION

We design and manufacture Shell & Tube Heat Exchangers to meet clients' size and operational constraints, while achieving maximum heat transfer with increased lifespan and efficiency. Our expertise includes manufacturing and fabricating whole range of materials from low temperature, stainless steel, duplex, super duplex, copper nickel to clad materials.

Our Heat Exchangers are able to meet the stringent requirements of any certification parties (e.g. BV, DNV, and ABS etc) and are able to comply with ASME, API 660 and TEMA standards. We are also an approved manufacturer for DNV class and certified with ASME 'U' Stamp.

REPAIR AND SERVICE

We perform maintenance cleaning, restoration, and other aftersales services of Shell & Tube Heat Exchangers for our clients, which enable clients to operate their plants and vessels more cost efficiently. Included in our service offerings are chemical cleaning, in-situ chemical circulation cleaning, partial or complete re-tubing, reconditioning, fabrication, and re-engineering.

We are also a National Board 'R' Stamp certified workshop for the conduct of necessary repair, alteration, and re-certification of ASME Pressure Vessels and Shell & Tube Heat Exchangers

SUPPLY SPARES

We do supply spares for Shell and Tube Heat Exchangers Tubes, Tubesheets, Baffle Plates, Covers & Tube Inserts based on the client requirements.



Other Heat Exchangers



HVAC Heat Exchangers

In addition, we support our esteem most valued clients on for the heat exchanger that used in their HVAC systems. Heating, ventilation, and air conditioning (HVAC) systems use various technologies to control the temperature, humidity, and purity of the air in an enclosed space. The heat exchangers used in HVAC application include Condenser, Evaporator and Heater.

We fabricate and supply Condenser, Evaporator and Heater as per the sample or existing drawing. We also reconfigure the heat exchangers, if needed, to meet the required specification.

We perform chemical cleaning and testing on Condenser, Evaporator and Heater.

For Condenser, we also carry out partial or complete retubing and other repairs such as covers fabrication with internal coating against seawater application.

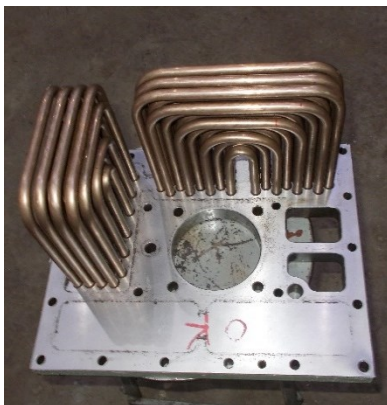


Radiators, Deck Crane Coolers & Air Compressor Coolers:

We supply different types and models of Radiators used in emergency generators and auxiliary engines.

We also supply various types of Deck Crane Coolers (Tube-Fin type) and Air Compressor Coolers (Tube type & Radiator type) based on the existing sample or detailed drawing.

We perform chemical cleaning and testing on all the above heat exchangers.



Other Heat Exchangers



Fresh Water Generators

We are adept in the maintenance and repair of both Plate Type and Shell and Tube type Fresh Water Generators (FWG).

For Shell and Tube Type FWG, we perform chemical cleaning, complete/partial retubing of the evaporator and condensers. We also conduct other restorations works such as cover fabrication, shell/cover internal coating against seawater application and other welding repair on the shell. We can also fabricate and replace the entire FWG like-for-like, as per existing specifications.

For Plate Type FWG, we perform dismantling and assembly of the plate stacks, chemical cleaning and high pressure plate washing, cracks/pinholes detection, re-gasketing c/w oven-curing and other restoration works. We also supply spare plates and gaskets for the Plate Type FWG.



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