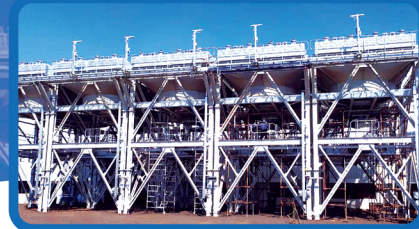




ACHE

Air Cooled Heat Exchangers

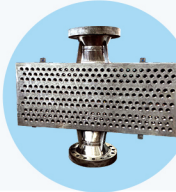


14,000+ Installations Across 29 Countries In 5 Continents
Industries Served: Refineries, Petrochemicals, Fertilizer, Steel, Process Industries

HEADER BOX

The Header Box forms the pressure-retaining chamber of the Air Cooled Heat Exchanger, located at the tube ends to distribute and collect process fluid.

- Designed and fabricated as per ASME Sec. VIII Div.1/2 and API 661 standards.
- Available in plug-type, cover plate, bonnet, and manifold configurations based on process duty. Provides easy access for tube cleaning, inspection, and maintenance.
- MOC include Carbon Steel, Stainless Steel, Duplex, Incoloy 825, 625, 6Mo
- Engineered for uniform flow distribution, minimizing pressure drop and ensuring thermal efficiency.



FIN TUBES

The fin tube is the core heat transfer element of the ACHE, Combining mechanical strength with enhanced surface area. We manufacture the following in-house for tube OD 16 to 50mm:

- Fin Types: G, L, KL & Extruded Fins.
- Tube MOC: CS, LAS, SS, DSS, SDSS, Incoloy 825, 6 MO, Ti, CU, Admiralty bronze, etc.
- Provides maximum heat transfer efficiency with reduced footprint.
- Designed for long service life, resisting corrosion and fouling.



Knurled L Fin Tubes G Embedded Fin Tubes L Wrap on Fin Tubes Extruded Fin Tubes

TUBE BUNDLE

The tube bundle is a modular assembly of finned tubes, headers and supporting structures.

- Engineered for easy removal and replacement.
- Optimized to handle high thermal loads and varying process conditions.
- Ensures uniform airflow and efficient heat dissipation.
- Configurations: Single bay, Multi-bay, V-type, or A-frame layouts.



TRIAL ASSEMBLY

Air Cooled Heat Exchanger is Completely Assembled at our Factory to Validate the performance parameters and the Dimensional Accuracy.

Complete Structural Frame, Plenum, MSA, Fans, Motors, and Tube Bundles are assembled and Ensures Precise Alignment as per contract requirements.

Performance Checks Include Vibration, Noise level, Motor / fan absorbed power, Airflow and Tip Clearance are all verified against approved specifications.

Results are fully documented and jointly witnessed by the client or their approved TPIA.



DESPATCH

We ensure every component is meticulously packed for safe dispatch. For exports, sea-worthy packing is provided in compliance with client-approved standards.

Modular Dispatch, Which Reduce Site Erection Time And Cost, Can Be Done Based On Customer Requirement

Our Manufacturing Plant is Located on the National Highway - Uninterrupted Connectivity For Heavy Equipment And Over - Dimensional Consignments (ODCs). Proximity to Chennai Airport & Close To Chennai & Krishnapatnam Seaports.



Header Box: Max Design Pr: 450 Bar | Max Design Temp : 550 C

Tube Bundle: Max Hydro Test Pr: 998 Kg/Cm²

We also provide Erection / Commissioning Supervision/ Operator Training / Supply All Type of Spares/ Inspection & Upgrade Services

Installed in 29+ Countries | Annual Finning Capacity - 4118 KM | Annual Header Box Capacity - 1,070 | Annual Tube Bundle Capacity - 750



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