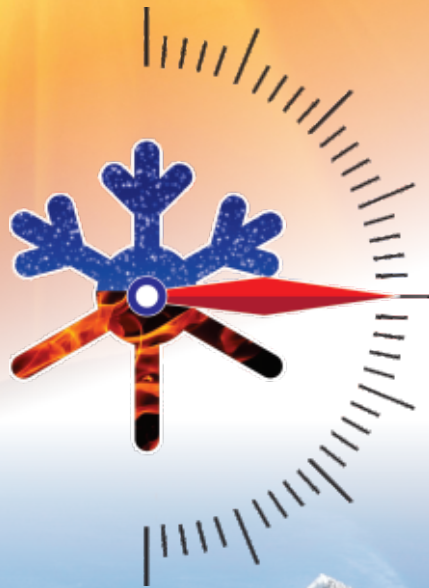


Temperature commander



Oil Coolers

Shree Chamunda Hydrotech heat exchangers are designed and manufactured with best possible economy and efficiency obtained by way of our 20 years of experience & continuous field tests. Oil coolers are among other heat exchangers and can be duly designed & manufactured if only we could have information on the conditions of its use. Oil coolers are used to absorb heat from pressurised working oil to maintain proper temperature and viscosity of oil. The modern trend is to install water cooled oil coolers with machines using pressurised oil system.

Shree Chamunda Hydrotech oil coolers are available in fixed tube sheet and floating tube sheet type construction with Horizontal or Vertical orientation. In general heavy gauge steel pipe shell with seamless copper tubes and cast iron covers are used in construction. Other material of construction can be used if required. Adjustable legs are for installation in any position and location.

Shree Chamunda Hydrotech oil coolers find their application in hydraulic machines, transformers, machine tools, transmission systems, quench oil systems and many other similar applications.

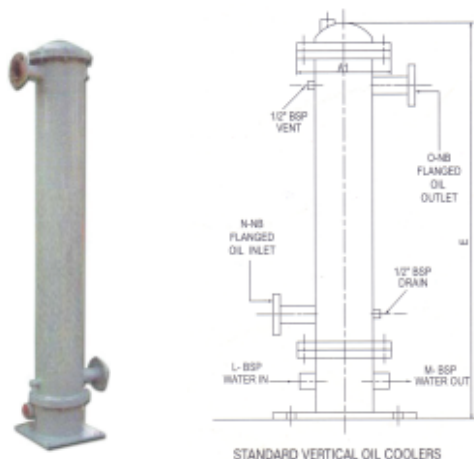
Hundreds of Shree Chamunda Hydrotech oil coolers are in use and have proved to be dependable. The proof for accepting our oil coolers is the fact that so many equipment manufacturers in various fields have been using our oil coolers for years and consistently specify Shree Chamunda Hydrotech for their requirements. We have designed, manufactured

and supplied oil coolers up to 2500 LPM Oil flow rate (4.50.000 Kcal/Hr). After constant use for considerable time if performance deteriorates, scale and dirt deposits can be responsible for this. In such cases cleaning is necessary. In event of any such performance deviation, you are advised to contact our office for proper guidance.

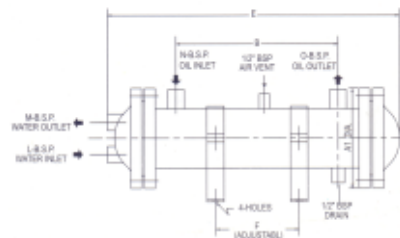
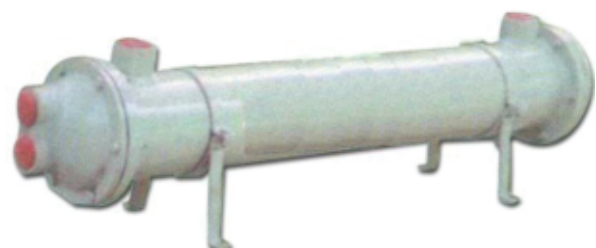
Conventional oil coolers are available from 3/8" diameter copper tubes. Though these oil coolers are compact in size and perhaps with lower prices, the smaller diameter (3/8" OD) tubes are prone to getting blocked on water side (water in tube) by dirt, scaling etc. very frequently. This requires water side cleaning very frequently. This means more maintenance and shorter life. In our oil coolers, we use 5/8" diameter tubes to avoid water side blocking by dirt, scaling etc. In using our oil coolers, you are rewarded with less maintenance and longer life of our oil coolers.

We can also design, manufacture and supply oil coolers for any flow rates and in-out temperature conditions. Shree Chamunda Hydrotech standard horizontal or vertical oil coolers are standardised for 57°C to 50°C or 60°C to 45°C oil in/out temperature conditions with water inlet temp 30°C.

Our standard oil coolers are tested at 25 Kg/CM²g pressure on oil side and at 10 Kg/CM²g Pressure on water side.



STANDARD VERTICAL OIL COOLERS



STANDARD HORIZONTAL OIL COOLERS

Heat Exchangers / Chillers / Condensers

Features

- These are best-suited for variant applications like oil cooling, inter/after cooling, water-to-water cooling and gas-to-gas cooling.
- Excellent heat transfer performance made possible by geometric flow method and Modular system design. Economical and faster delivery.
- Available in a variety that includes fixed tube sheets, U-tube designs and floating head (removable bundle).
- These are designed as per TEMA, ASME Section VIII Division -1 or commercial good engineering practice.

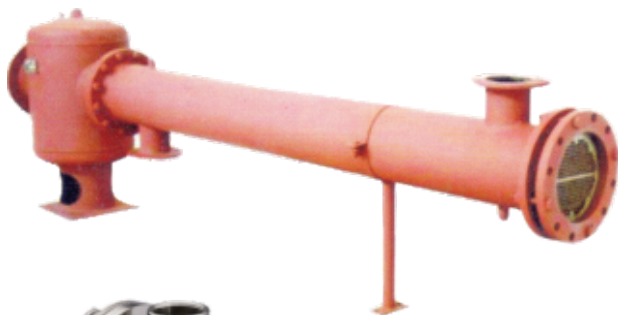
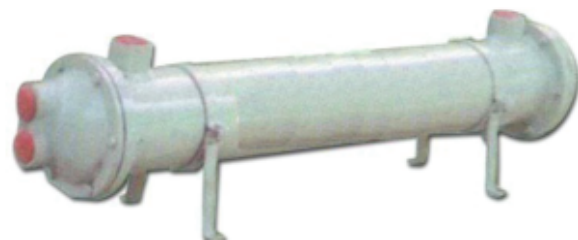
Range : 2" Dia to 10" Dia

Moc : Copper, Brass, C.S., S.S, Cu/Ni



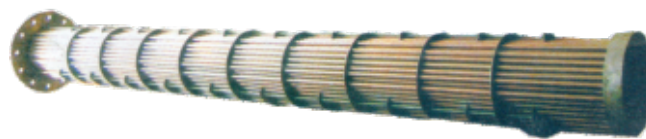
Oil Cooler / Inter Cooler / After Cooler

We offer Shell & Tube type Oil/Inter / After Coolers for use in multistage compressed air systems. These are designed for direct / floor mounting arrangement. These are available in standard horizontal / vertical models, with or without built in Moisture Separators .



Tube Bundles

SCH has been manufacturing direct replacement and new application tube bundles for Shell & Tube Heat exchangers. We specialize in cross referencing other manufacturer's makes and model numbers, thus providing our customers with tube bundles that are of the same or greater quality than the original, while simultaneously matching the dimensional data of the old unit.



Finned Tube Heat Exchangers

The finned tube heat exchangers are manufactured using flat fins, strip wound fins and wire wound fins. The high fin area helps in maximum heat transfer.



"U" Tube Heat Exchangers

"U" Tube Heat Exchangers provide multi-tube pass arrangements. They allow differential thermal expansion between the shell and the tubes, as well as between individual tubes



Round Bottle Type FRP Cooling Tower

The Round Shape FRP Cooling Towers Also Called As Bottle Shape Cooling Towers.

The Casing And Basins Are Designed To Withstand Severe Vibrations, High Wind Load And To Resist Corrosion. The Cooling Towers Consists Of Honey Comb PVC Fills In Design That Maximum Economy And Efficiency And Directly Driven Fan And Motor "minimum Drift Losses" Uniform Distribution Of Hot Water By Rotating Arm Sprinkler.

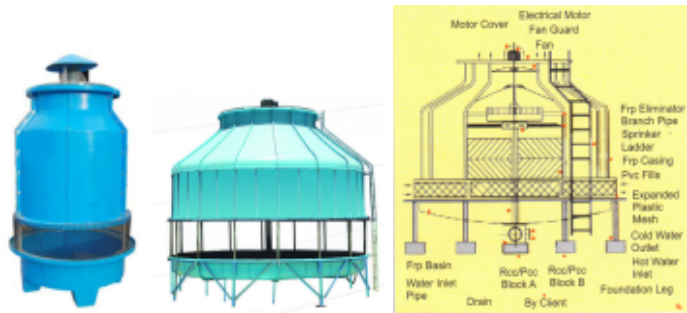
Hot Dipped Galvanised Hardware To Withstand Wind Forces.

The Bottle Shape Makes Possible To Provide Maximum Cooling Efficiency In Minimum Plan Area With Lower Energy Consumption.

Round Shape Cooling Tower That Performs Under Induced Draft Counter Flow Principle For The Operation. The Hot Water Enters Through Hot Water Inlet That Passes Through Sprinkler By Perforated Branch Pipe Which Distributes The Water Evenly.

This Water Is Spread Over The Heat Exchange Fills. Then, The Water Flows Downward As A Thin Film Through The Fill In Direct Contact With Ambient Air Moving Upwards In A Counter Flow Direction.

We Offer Cooling Tower In Rang Of 5 Tr To 300 Tr Capacities To Cool Water From 3 rrf / Hr To 200 rrf / Hr In Range Of 5°C To 10°C Temperature Difference. We Have 15 Models In 5 Tr To 300 Tr Cooling Tower Capacities.



Square Bottle Type FRP Cooling Tower

The Square Shape Cooling Towers Designed Specially For An Alternative To Round Model For Selection To Our Buyers. The Cooling Towers Consists Of Honey Comb PVC Fills And Eliminators In A Design That Maximizes Economy And Efficiency And Directly Driven Fan And Motor With Spray Nozzles Minimum Drift Loss.

Hot Dipped Galvanized Hardware With Rectangular Casing Body In Elegant Design.

Square Shape Cooling Tower That Performs Under Induced Draft Counter Flow Principle For The Operation. The Hot Water Enters Through Hot Water Inlet That Passes Through Nozzles Which Distributes The Water Evenly. This Water Is Spread Over The Heat Exchange Fills. Then The Water Flows Downward As A Thin Film Through The Fill In Direct

Contact With Ambient Air Moving Upwards In A Counter Flow Direction.

We Offer Cooling Tower In Rang Of 5 Tr To 750 Tr Capacities To Cool Water From 3 m³ / hr To 450 m³ hr In Range Of 8°C To 10°C Temperature Difference & For More Than We Can Give In Multi Cell Cooling Tower In Any Range.

We Have 18 Models In 5Tr To 750 Tr Cooling Tower Capacities.



Other Products

- > All type of inter & After coolers
- > Condensers, Chillers, Receivers etc. for air-conditioning & refrigeration both for ammonia & Freon applications.
- > Fan Coil units, Cooling coils, Heating coils, Air Handling units.
- > Re-tubing of condensers | chillers & any type of Heat Exchangers.
- > Oil | Steam Radiator.

Typical Applications

- > PLASTIC INJECTION MOULDING MACHINE
- > POWER PACK
- > CHEMICALS
- > COLD STORAGES
- > FOOD AND DAIRY INDUSTRIES
- > TEXTILE & FERTILIZERS
- > PHARMACEUTICALS
- > PETROCHEMICALS
- > PROCESS INDUSTRIES



AN ISO 9001:2015 CERTIFIED COMPANY



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