

SINCE
2001



ThermTech Systems™
Specialist in heating equipments



ThermTech Systems

Specialist in Heating Equipments

Certifications



Quality



Standard

ABOUT US



Why Choose Us?

ThermTech Systems was Established in 2001 as the leading Manufacturer, supplier and Trader of a wide range of products. Our products range comprises of Steam boiler, Thermic Fluid Heater, Heating Coil and many more.



Our Vision

To be a global leader in industrial heating and storage solutions, known for quality, innovation, and exceptional customer service.



Our Mission

To provide superior heating and storage solutions that empower industries to operate efficiently while promoting sustainability and reducing their environmental footprint.

STEAM BOILER

We manufacture :

- ✦ Package-Type Boilers
- ✦ Membrane Water Wall-Type Boilers
- ✦ Fluidized Bed Boilers
- ✦ Bi-drum Boilers
- ✦ Oil /Gas-Fired Boilers.

SOLID FUEL FIRED STEAM BOILER SINGLE/TWIN FURNACE

- ✦ Fuel: Wood, Briquettes, Pallets, Biomass, Coal
- ✦ Capacity: 500 kgs to 5000 kgs/ hr
- ✦ Pressure: 10.54 to 32 kgs/cm²
- ✦ Design: IBR/ BS / ASME / LLOYDS

THREE-PASS OIL/GAS-FIRED STEAM BOILER

- ✦ Fuel: FO/ HSD/ LPG/ CNG/ BIOFUEL
- ✦ Capacity: 500 kgs to 5000 kgs/ hr
- ✦ Pressure: 10.54 to 17.50 kgs/cm²
- ✦ Design: IBR/ BS / ASME / LLOYDS



BOILER SPARES:

Bed Coil Assembly, Studded Bed Coil Assembly, Economizer Coil Assembly & Super Heater Coil Assembly.

NON-IBR STEAM BOILERS

SKID MOUNTED PACKAGED STEAM BOILER (Non-IBR) Model: SFT

Fuel: FO/ HSD/ LPG/ CNG/BOI FUEL

Range: 50 to 850 kgs/hr steam

Pressure: 10.54 to 15.45 kgs/cm²

A skid-mounted coil-type steam boiler with fully automatic operation is available in the non-ibr version(water holding capacity in the pressure part is below 5 gallons) it can generate steam in 3 to 5 minutes in a multi-fuel operation in HSD/ NG/LPG. Available in the steam generation range of 50 to 850 kgs/hr models,

NON-IBR STEAM BOILERS

- ✦ Three Pass Design
- ✦ Horizontal /Vertical design
- ✦ Compact design for space-saving installation
- ✦ Easy to operate & maintain Less space
- ✦ Higher efficiency 80% to 90 %
- ✦ Less external exposed heating surface to reduce heat loss

SCOPE OF SUPPLY

- ✦ Coil with shell
- ✦ Burner
- ✦ Feed Water pump
- ✦ Control panel
- ✦ Economizer



THERMIC FLUID HEATERS

THERMIC FLUID HEATERS are heating equipment used in industries where heat transfers are the primary need of the process instead of Steam pressure.

Advantage

The advantages of using a thermic fluid heater include

- ✦ Precise temperature control
- ✦ Uniform heating
- ✦ Versatility in fuel options
- ✦ The ability to operate at high temperatures without the risk of pressurization like steam systems.

THREE-PASS OIL/GAS-FIRED THERMIC FLUID HEATER - MODEL FFT

The thermic fluid heater is a packaged, fully automatic, HSD/CNG/LPG fuel-fired liquid phase heater. It comprises a double-helical heat exchanger coil, which forms the combustion chamber and provides the heating surface in an optimally designed configuration.

- ✦ Range : 50000 to 30,00,000 kcal/hr
- ✦ Fuel: HSD, CNG, LPG, FO, BIODIESEL

Advantage

- ✦ Three-pass Design
- ✦ Horizontal /Vertical design
- ✦ Less fuel consumption
- ✦ Higher efficiency 70% to 80 %



THERMIC FLUID HEATERS

SOLID FUEL-FIRED CONVENTIONAL-TYPE THERMIC FLUID HEATER WITH FURNACE

- ✦ Range : 50000 to 40,00,000 kcal/hr
- ✦ Fuel: Wood, Briquettes, Pallets, Biomass, Coal

Skid-mounted type thermic fluid heaters are designed to be quickly erected and commissioned in less time.

Using a multifuel fire bar, we can use all kinds of fuels, such as wood, solid coal, and husk.

Cyclone-air furnaces are designed like pellet burners, with fuel flexibility to minimise fuel unburnt percentage, less excess air, and increase refractory life.

ELECTRICAL HEATING THERMIC FLUID HEATERS

- ✦ Range: 20000 to 600000 kcal/hr
- ✦ Fully automatic
- ✦ Low maintenance.
- ✦ Easy to install and can be located close to the point of use.
- ✦ Environmentally friendly and pollution-free.
- ✦ Less floor space.
- ✦ Efficiency 70% to 80 %



THERMIC FLUID HEATING STEAM BOILERS:

Thermal Oil-Heated Steam Boilers These are custom-built media-heated steam boilers, ideally suited to utilize the spare heating capacity of existing thermal oil heaters to supply or augment plant steam.

AIR RECEIVER TANK

THERMTECH SYSTEMS is an ISO 9001:2015 certified organization engaged in manufacturing & supplying Air Receiver Tanks and Storage Tanks in Chennai, India.

- ✦ Capacity: 0.5 m³ to 50 m³
- ✦ Pressure: 10.54 to 24 kgs/cm²
- ✦ Design Code: BS / ASME / LLOYDS

Vertical air receiver tanks,
Horizontal air receiver tanks,
Nitrogen storage tanks,
Vacuum tanks.

An air receiver tank is a type of pressure vessel that holds compressed air under a certain amount of pressure for future uses. Air tanks are typically cylindrical to reduce stresses in the “skin” of the tank. As a result, they are often equipped with feet welded to the tank.

These can be welded to the dished end of the tank in the case of vertical compressed air tanks or on the curved side of the air tank in the case of horizontal tanks. These tanks are constructed from materials such as steel, ensuring durability and longevity.

Thermtech Systems offers a wide range of Vertical and Horizontal Air Receiver Tanks designed to provide efficient storage and regulation of compressed air. Built for reliability and durability, our tanks are suitable for various industrial applications, ensuring optimal air pressure management and system performance.



REACTOR VESSEL

THERMTECH SYSTEMS is an ISO 9001:2015 certified organization engaged in manufacturing & supplying high-pressure reactor vessels and Storage Tanks in Chennai, India.

- ✦ Capacity: 500 l to 30 kl
- ✦ Pressure: 10.54 to 24 kgs/cm²
- ✦ Design: BS / ASME / LLOYDS

Thermtech has technical expertise in the process and mechanical design of Reactors. We have design expertise in Reactors for specific customer applications to achieve desired output parameters. Our reactors range from 500 Kg/Batch to 20000 Kg/Batch capacity.

Our reactors can be jacketed or with Limpet and with an agitator.

A high-pressure reactor is a specialized vessel designed to conduct chemical reactions under elevated pressures and, often, high temperatures. These reactors are widely used in various industries, including chemical manufacturing, pharmaceuticals, and petrochemicals, due to their ability to accelerate reaction rates, increase yields, and allow reactions that are not feasible under standard atmospheric conditions. The design and operation of high-pressure reactors are complex, requiring careful consideration of materials, safety protocols, and process control.

A chemical reactor is an enclosed volume in which a chemical reaction occurs. In chemical engineering, it is generally understood to be a process vessel used to carry out a chemical reaction, one of the classic unit operations in chemical process analysis.



STORAGE TANKS

- ✦ CAPACITY RANGE: 50LTRS -100KL
- ✦ MOC: MS/SS 304/SS316/
FRP FIRE TANK/As per Customer Specs

THERMTECH SYSTEMS is a top manufacturer and exporter of strong and durable Mild Steel storage tanks and MS Cylindrical Storage tanks. We offer complete solutions for industrial and chemical storage.

We make a variety of Storage tanks that are commonly used in industries like boilers, pharmaceuticals, food processing, and chemicals to store different corrosive substances such as acids, alkalis, and solvents at high temperatures.

Our Bio Diesel storage tanks and Petrol & Diesel Underground Storage Tanks are made from high-quality, anti-corrosive materials and advanced technology to ensure they last a long time. Our vertical storage tanks, including MS Chemical Storage Tanks, Oil Storage Tanks, and Fuel Storage Tanks, are in high demand for effectively storing chemicals for long periods.

THERMTECH SYSTEMS focuses on meeting the needs of our customers. Our MS Horizontal Storage Tanks come in various sizes and shapes, including top Lid Type, Flat Type, Dish End Type, Conical End Bottom, and Flat End Bottom. As a leading manufacturer of MS Vertical Storage Tanks and Acid Storage Tanks, we are dedicated to making excellent products. We follow international safety standards and perform many quality checks to ensure our products are strong and of high quality.



TURNKEY BASIS ERECTION

Thermtech Systems specializes in Turnkey Basis Erection, offering end-to-end solutions for seamless installation and commissioning of industrial systems. From design and fabrication to on-site setup and testing, we ensure timely and efficient project execution tailored to your requirements.

We are ranked amongst the best in this business and are involved in catering a range of Turnkey Basis Erection service to our clients. Our Turnkey Basis Erection services are rendered by our team of highly experienced professionals who possess vast industrial experience in their respective field. These services are delivered at most affordable prices.

It comprises of

- ✦ Steamline (IBR & NON IBR)
- ✦ Airline
- ✦ Water line
- ✦ Chemical line
- ✦ Fire Fighting Pipeline
- ✦ Structural works
- ✦ Chimney
- ✦ Ducting works



OTHER PRODUCTS

Venturi Type wet Scrubber



Condensate Recovery System (Non Motorized)



Hot Water Generator



Steam Pressure Reducing Station



Fuel Feeding Solutions



Chimney



Contact Us

+91 94444 41130 / +91 87787 98284

www.thermtechsystem.com

thermtechsystem@yahoo.co.in

Unit - 1

No.264/6,7,
Uyyaliamman
KoilStreet,
Thiruneermalai,
Chennai - 600044.
Tamilnadu, India.



Unit - 2

Plot No. 43,44 -79,80,
SIDCO Industrial
Estate, Muthukudi,
Cholapuram1,
Rajapalayam.

