



PRODUCTS

INDUSTRIAL BOILERS

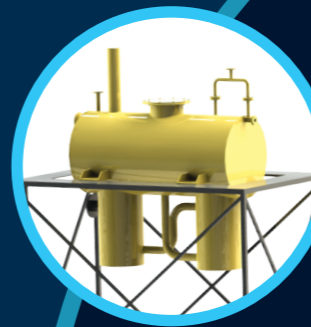
- STEAMPAC
- SMART PAC
- COMPAC
- MULTIPAC

THERMIC FLUID HEATERS

- MULTI FUEL
- AFBC
- OIL / GAS

SPARES

- SPARES FOR BOILERS
- STRUCTURES
- BOILER SERVICE
- ANNUAL SERVICE CONTRACT
- O & M SERVICE
- POLLUTION CONTROL
- EQUIPMENT
- CYCLONES
- WET SCRUBBER
- BAG FILTER






LLB LONG LIFE BOILERS MFG. CO.

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LLB LONG LIFE BOILERS MFG. CO.

LLB THERM

CAPACITY
2 LAKH KCAL/HR TO 20 LAKH KCAL/HR

TEMPERATURE
UPTO 340°C

ABOUT US

"Long Life Boilers Mfg. Co." was established in 1982, and has a market experience of the years together in designing, manufacturing, marketing, supplying after sales services and enhancement of efficiency in existing heating system. Our Product range primarily includes steam boilers, thermic fluid heaters, hot air generators and full range of custom engineered equipments. Currently we have a supplied no. of units which are running to entire satisfaction of our valued customers.

THERMIC FLUID HEATER

Thermic Fluid Heating system can be used in all types of Industries, replacing electricity and steam.

The thermic Fluid Heater is an ideal electricity saver as it consumes only about 5% of electric power as compared to an equivalent electric system. Switching over from an electrical system to thermic fluid system means drastic reduction in operating cost and a quick payback period. The thermic fluid Heater has been specially designed for coal/agro waste / oil-gas.

Thermic fluid heating system is indirect heating system. Certain fluid has heat carrying capacity, which is being heated in and release the heat at required points. It is in closed loop system so, there is no loss of energy. For higher temperature application, thermic fluid heating system is the best solution as compare to steam. It is slow heating system compare to steam boiler.

However, in certain chemical process slow heating is also one of the parameter

SILENT FEATURES

- Thermic fluid can be heated up to about 300°C at near atmospheric pressure in standard units and up to about 340°C in special units.
- Thermic fluid used in the system, remains in the liquid phase in the entire operating range of the system.
- Thermic fluid is circulated in a closed loop circuit, imparting heat to the user's equipment and returns to the unit for heating and circulation again.
- Thermic fluid temperature is kept low to prevent oxidation and degradation.
- Expansion due to elevated temperature is taken care of and vapours and gases are liberated, preventing cavitation's in the pump by the specially designed expansion cum de-aerator tank.
- Thermic fluid consists of nest of helical coils housed in a rugged steel shell.
- Specially designed with large furnace volume & grate area for good combustion of fuel and sufficient
- Residence time for thorough mixing of fuel and combustion air.
- Provided with an Induced draft / forced draft fan for efficient combustion of fuel.
- Provided with sufficient controls, safety interlocks, indicators etc. in a control panel box.
- Optional air pre heater for increasing the efficiency.
- Multi dust collector /bag filter option to meet the requirement of pollution control board

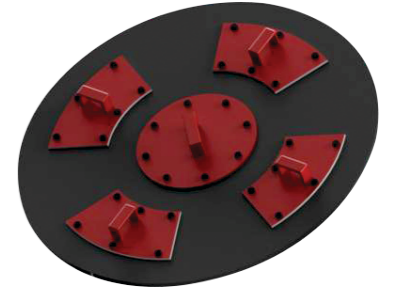
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LLB THERM



NEW TOP DOOR DESIGN

- While using solid fuel fired system, to maintain the efficiency is the most crucial job for entire life of heater. Maintaining Efficiency is only possible when periodic cleaning of heater coils is done.
- Many Brand manufacturers gives soot blowing and nozzles for cleaning from which very less coil surface area could be attended for cleaning.
- While in our system we give Soot blowing and door system which is very much helpful for almost 99% coil surface area cleaning while periodic cleaning.
- As a result of which our systems are getting similar efficiency throughout the life of Thermic Fluid Heater which results in highest customer satisfaction.



CYCLODIAL SECONDARY AIR SYSTEM

- For better performance of TH and to get maximum heat transfer from flue gases generated from solid fuel burning, any manufacturer will work on RTD i.e.
- Residence Time Distribution of both media.
- In order to achieve optimum RTD, Secondary air is been introduced to our
- ID fan flue gas draught. This secondary air enters with pressure and cuts the straight draught of flue gases which results in to turbulent flow of draught resembling cyclonic effect.
- This secondary air system also helps in complete combustion of volatile matter present in fuel which results in to more effective combustion and increased overall efficiency.

