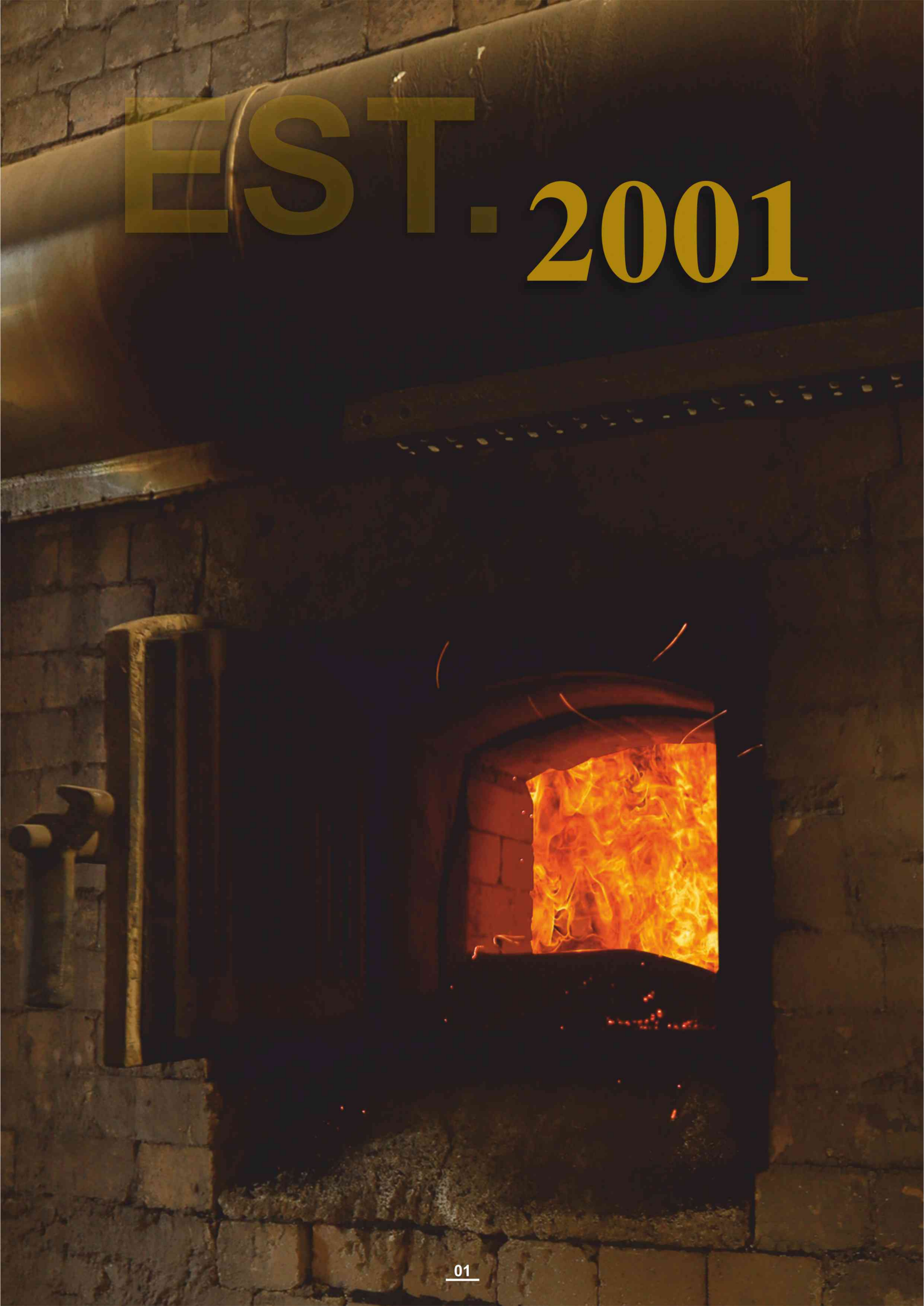
Since 2001

Gujtex
ENGINEERING COMPANY

Manufacturer of Thermic Fluid Heaters

We Design & Manufacture Heat Process Equipment

www.gujtex.co.in


EST. 2001

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Content

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About Us

GUJTEX ENGINEERING COMPANY is the leader in design and manufacturing of Thermic fluid heater, Pollution Equipments, since 2001 with the brand name of "GUJTEX" , we have in house manufacturing facilities with all state of art modern technologies to meet the highest standard of product qualities, we have successfully served to Textiles, Plywood, Chemicals, Rubber, Food and Distillery plants

Our Manufacturing facilities are backed up by highly qualified technocrats provides optimum customer satisfaction, The "GUJTEX " Thermic Fluid Heater manufactured under strict quality control of the every stage of Production & are tested for 100% Performance before leaves our factory.

Gujtex Engineering Company has earned recognition over the years as a leading Thermic fluid heater manufacturer in India. Gujtex Engineering company's successful track record of project management, in house manufacturing and commissioning expertise. Gujtex engineering company is supported by its own manufacturing facilities in Sachin (Surat) has over 1, 20,000 Square feet area installed with world class machineries.

QM 004, EM 016

www.iqcglobal.com

Fully Equipped Factory at **Hojiwala Industrial Estate, Surat.**

Over **1,20,000 square feet area** covered with **world class machineries.**

Two coil bending machine

MIG welding machine

Gas cutting machine

Radial drilling machine

Fully equipped m/c lathe m/c | slotting m/c | grinding machine

Inverter based welding machine

2 - 20 tone, 2 - 10 tone, 2 - 5 tone overhead cranes

Solid Fuel Fired Thermic Fluid Heater

Thermic Fluid Heater is designed for maximum efficiency using variety of solid fuel like, imported coal, Lignite, wood, and agro waste fuels.

Gujtex Offers complete solution of thermic fluid heating system along with Pipe Lines, Pollution Control equipment, Fuel handing on Turnkey Basis.

Auto Controls & Safety

Thermic Fluid Temperature control:

Digital temperature indicator-cum-controller cut of ID/FD fan of preset temperature and restart of preset temperature and restart of preset differential temperature to maintain system temperature.

Stack Temperature Control:

A temperature controller cut of ID/FD fan and sound alarm if stack temperature exceeds to preset temperature.

Low / No Flow of Thermic Fluid:

Pressure switch connected across inlet and outlet headers signals low flow alarm in case of low fluid pressure of thermic fluid in coils.

Low Level of Thermic Fluid:

The visual level indicator and float actuated lever switch fitted in expansion tank signals alarm in case of low level thermic fluid in the system.

Thermic Fluid Pump Motor Trip:

In case of thermic fluid pump motor trip, electrical interlocks, cut off ID/FD fan.

Power Failure:

Diesel engine drive keeps thermic fluid moving in the system to prevent its degradation and overflow.

Product Details:

Capacity	3 Pass - 2,00,000 to 30,00,000 Kcal / hr. 4 Pass - 4,00,000 to 1,00,00,000 Kcal / hr.
Fuel	Coal, Lignite, Wood, Briquette and Agro Waste.
Temperature	Up to 280 deg.

Working Fuel:

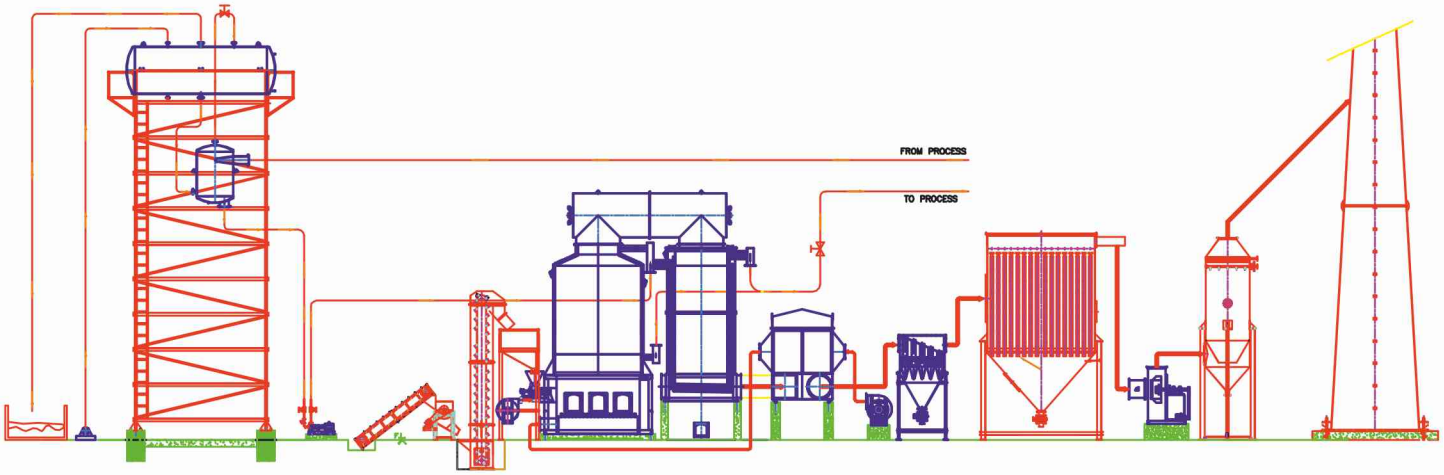
Coal

Lignite

Wood

Briquette

Agro Waste


FROM PROCESS
TO PROCESS

Single Piece Four Pass Solid Fuel Fired Thermic Fluid Heater

Gujtex has developed new Single Piece Four Pass Thermic Fluid Heater with 3 coils inside jacket shell for better fuel efficiency and low maintenance. It has more effective heat transfer area than conventional four pass design Thermic Fluid Heater and high velocity of flue gas for better heat transfer.

Features:

- **100 % effective heat transfer area**
- **High velocity of flue gas**
- **Requires less footprint area**
- **Less refractory work**

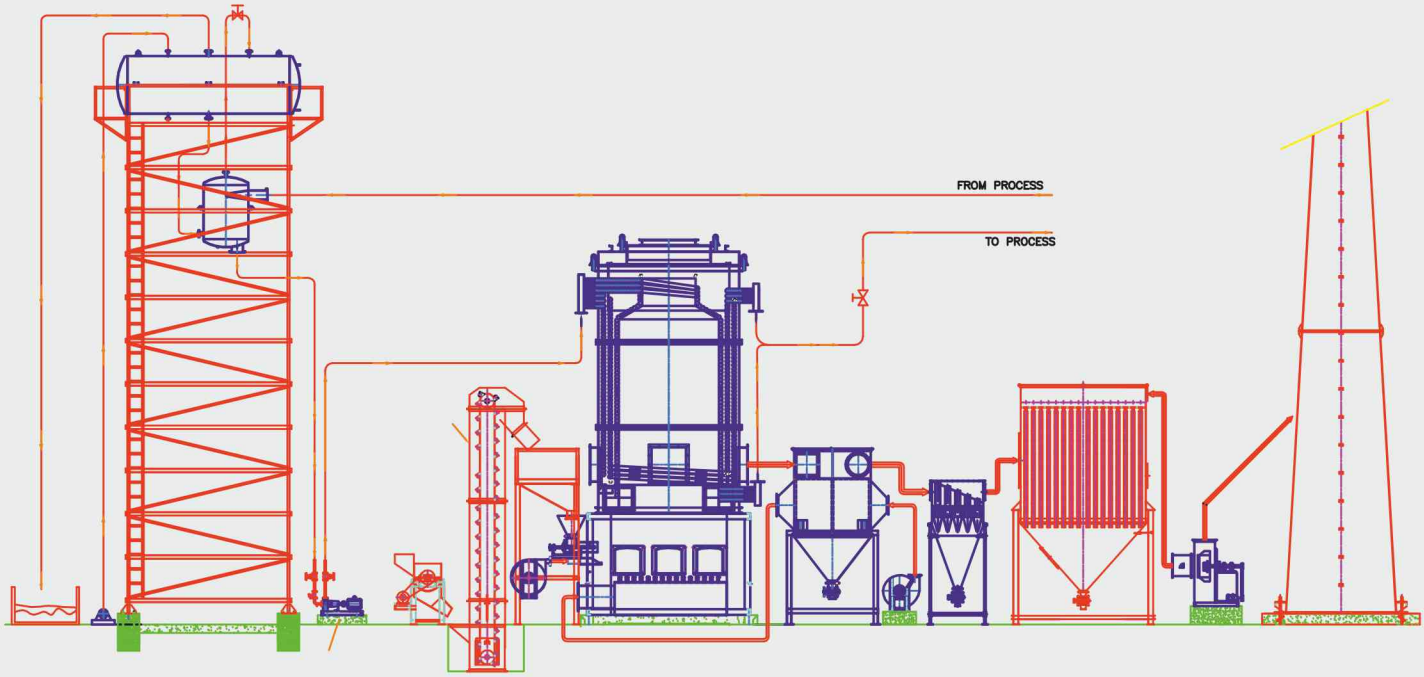
Product Details:

Capacity	6,00,000 to 50,00,000 Kcal / hr.
Fuel	Coal and Lignite.
Temperature	Up to 280 deg.

Working Fuel:

Coal

Lignite



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FBC Thermic Fluid Heater

Gujtex offerings FBC Solid Fuel Fired Thermic Fluid Heater designed to provide optimum combustion. The incorporation of a technology breakthrough in the form of inbed heat recovery coils makes this thermic fluid heater simply outstanding in its class.

This thermic fluid heater uses inbed coil to extract heat from the furnace and maintain furnace temperature and boost efficiency.

Heat extraction from the furnace by inbed coil reduces excess air requirement leads to lesser handling of air which in turn, provides the advantage of reduced power consumption.

Product Details:

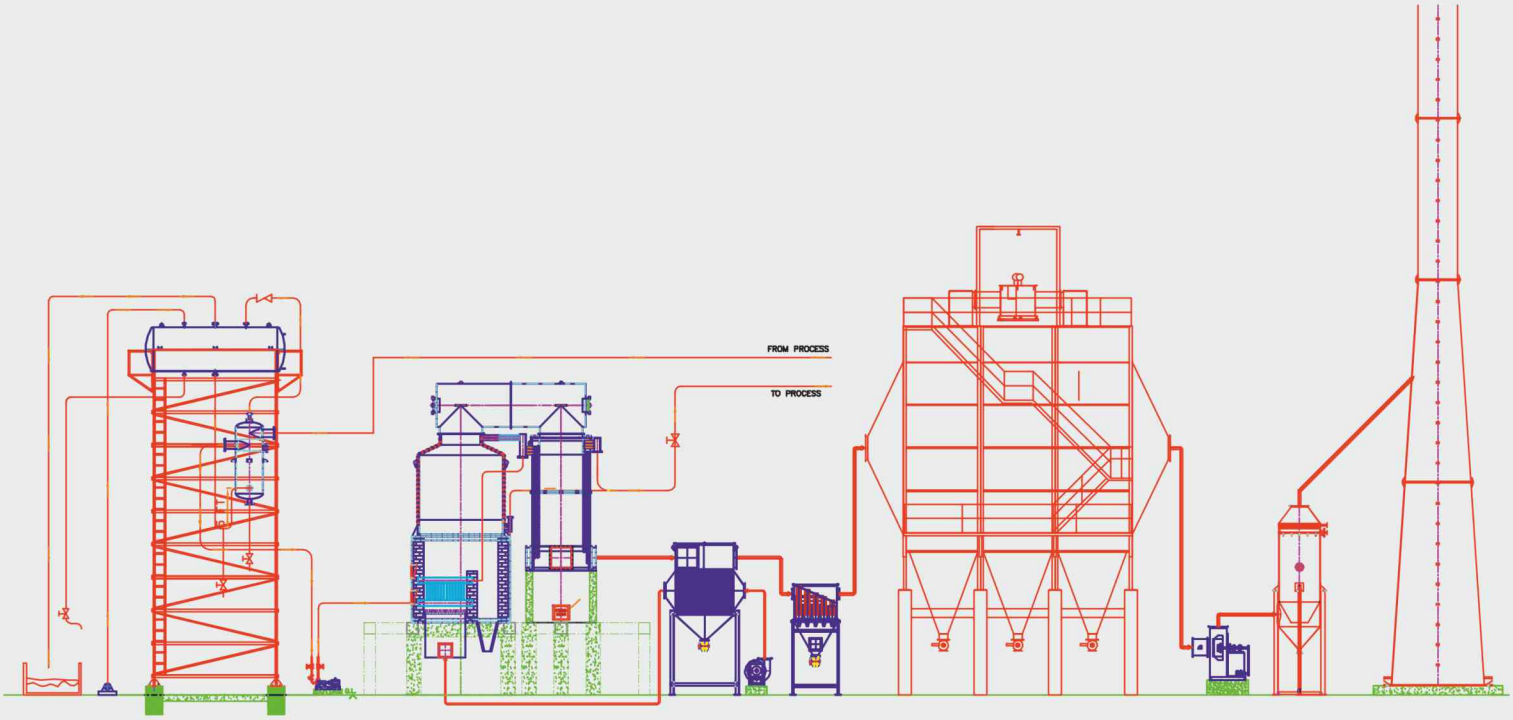
Capacity	10,00,000 to 1,00,00,000 Kcal / hr.
Fuel	Coal, Lignite and Husk.
Temperature	Up to 350 deg.

Working Fuel:

Coal

Lignite

Husk



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Gas / Oil / Diesel Fired Thermic Fluid Heater

Gujtex Make 3 pass Thermic Fluid Heater equipped with monoblock and dual block burner to deliver High Combustion & Thermal Efficiency. It fires wide range of liquid and gaseous fuels. Large heat transfer area to ensure low flue gas exit temperature.

It has horizontal design with both side doors for easy maintenance.

Product Details:

Capacity	2,00,000 to 1,00,00,000 Kcal / hr.
Fuel	HSD / LDO / Furnace Oil / LPG / PNG.
Temperature	Up to 350 deg.

Working Fuel:

HSD

LDO

Furnace Oil

LPG

PNG

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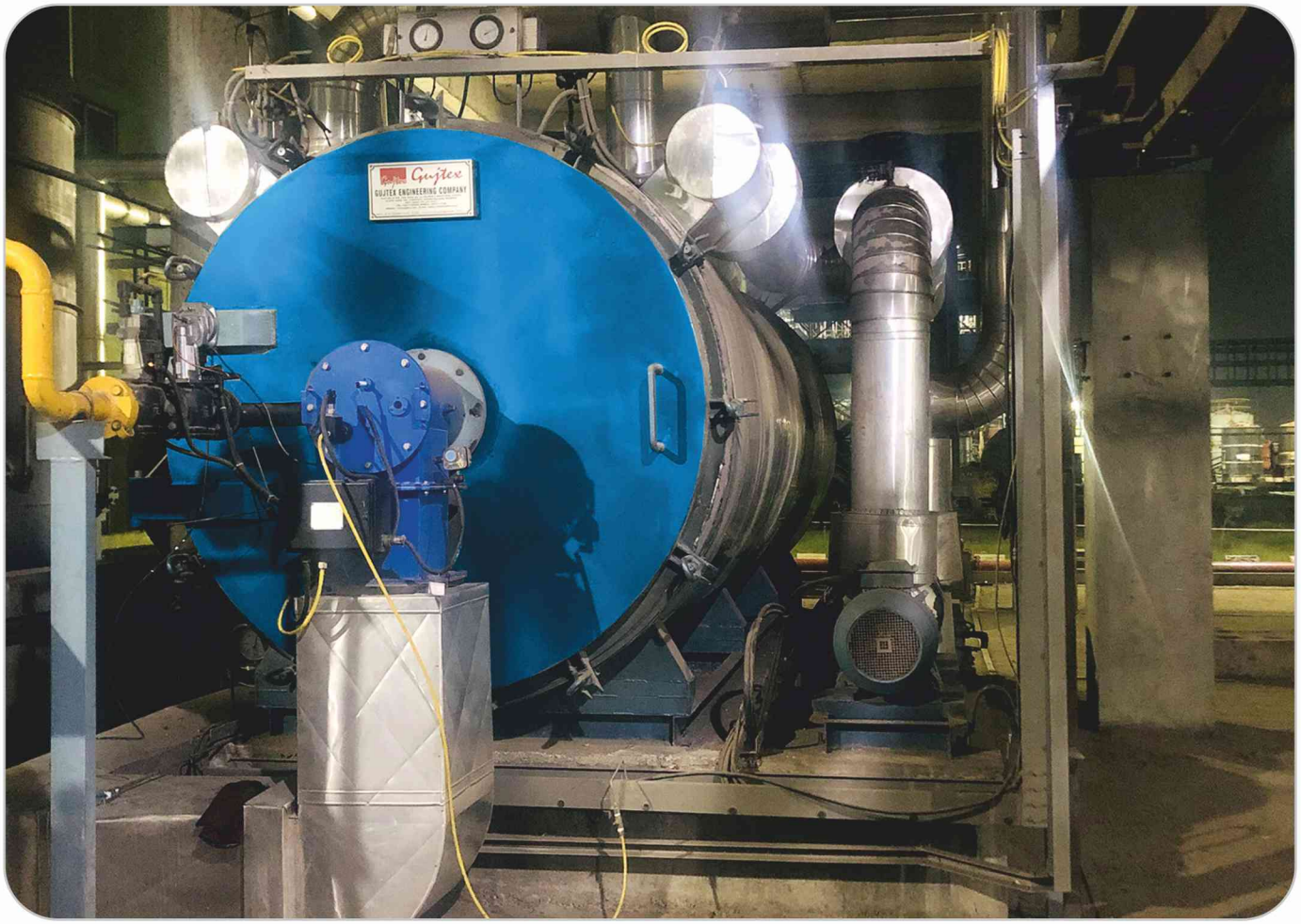


Electrostatic Precipitators

The Electrostatic Precipitators (ESPs) comes with Dry ESP. The former is used on hot process exhaust (50 – 450°C) that operate above the dew point of gas stream and the latter being a special application system, used for filtering wet sticky, tarry and oily particulate matter. It is capable of capturing 100+ types of particulate matters from 1 micron to 1000 microns and can handle coal as well as 50+ types of biomass. A fully automatic advanced Digital Signal Processor (DSP) controller, catering to particulate emission control for coal and biomass fired boiler.

Pulse Jet Type Bag Filter

Offline and online bag filter, bags are cleaned sequentially, even when the dust laden gas is filtered. The cleaning is controlled automatically by a sequence controller. This operates the assembly of solenoid and pulse valves which direct the airflow into manifolds. The holes are jig drilled for perfect alignment with the venturicentre for achieving maximum cleaning efficiency.

Teema Cyclone Dust Collector

Gujtex has been engaged in the design and manufacture of cyclones with different configuration, to suit different applications. They use centrifugal force to remove large and high volume dust from industrial applications. Our flagship products include, trema cyclones and multi cyclones.

Features

- Economical solution to a wide range of dust collection problems.
- Excellent for high dust load, high temperature and high velocity.
- Dust collection efficiency as high as 92%.
- Can be used alone with optional bag filter assembly.
- High duty construction for long life and low maintenance.

Wet Scrubber

Wet scrubbers are effective air pollution control devices for removing particles and/or gases from industrial exhaust streams. A wet scrubber operates by introducing the dirty gas stream with a scrubbing liquid – typically water. Typical wet scrubber systems consist of a scrubbing vessel, ductwork and fan system, mist eliminator, pumping (and possible recycle system), spent scrubbing liquid treatment and an exhaust stack.

Features

- High Efficiency
- Removal of Critical Dust
- Removal Efficiency upto 99.9%
- Fluctuating gas flows
- No Adherence or Plugging

Direct Fired Hot Air Generator

The (FBC) Fluidized bed combustion fired HAG system consist of a FBC Furnace with Radiation First Pass / Second Pass Refractories Chamber / Ash Settler / Cyclone / Fuel Feeding System. With fluidized bed combustion furnace and controlled fans.

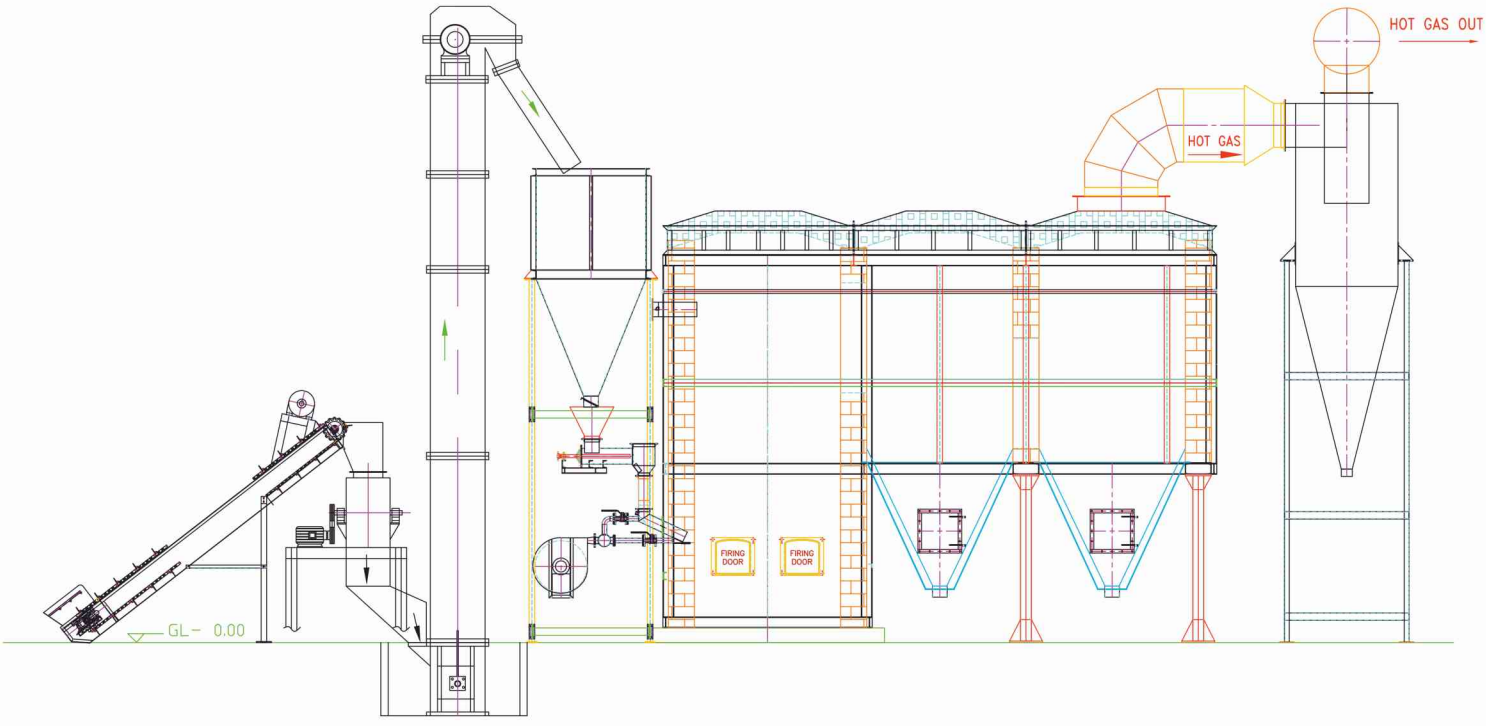
Where the cold air fed in to the top of the Radiation First Pass Zone, that cold air suction by I.D. Fan fitted at process point to maintain desired temperature of final process hot air.

As we consider the flue gas (Hot Air) path, Hot Air passes from furnace to mix cold air at top of radiation zone than final temperature say 300 to 650° passes in second zone than goes to Ash Settler for settled heavy ash particle, than goes to cyclone to separate fine ash particle collect at bottom RAV than final hot air fed to process dryer or heat sink. Complete system run in vacuum where I.D. Fan suction of hot air from HAG

FBC Furnace with Radiation First Pass / Second Pass Refractories Chamber / Ash Settler / Cyclone / Fuel Feeding System.

Induced Draft Fan Is Used

Complete system run in vacuum where I.D. Fan suction of hot air from HAG



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Indirect Fired Hot Air Generator

The (FBC) Fluidized Bed Combustion fired HAG system consist of a Radiative Heat Exchanger / Convective Heat Exchanger / HRU unit / Air Pollution Equipment. With fluidized bed combustion furnace and controlled Fans.

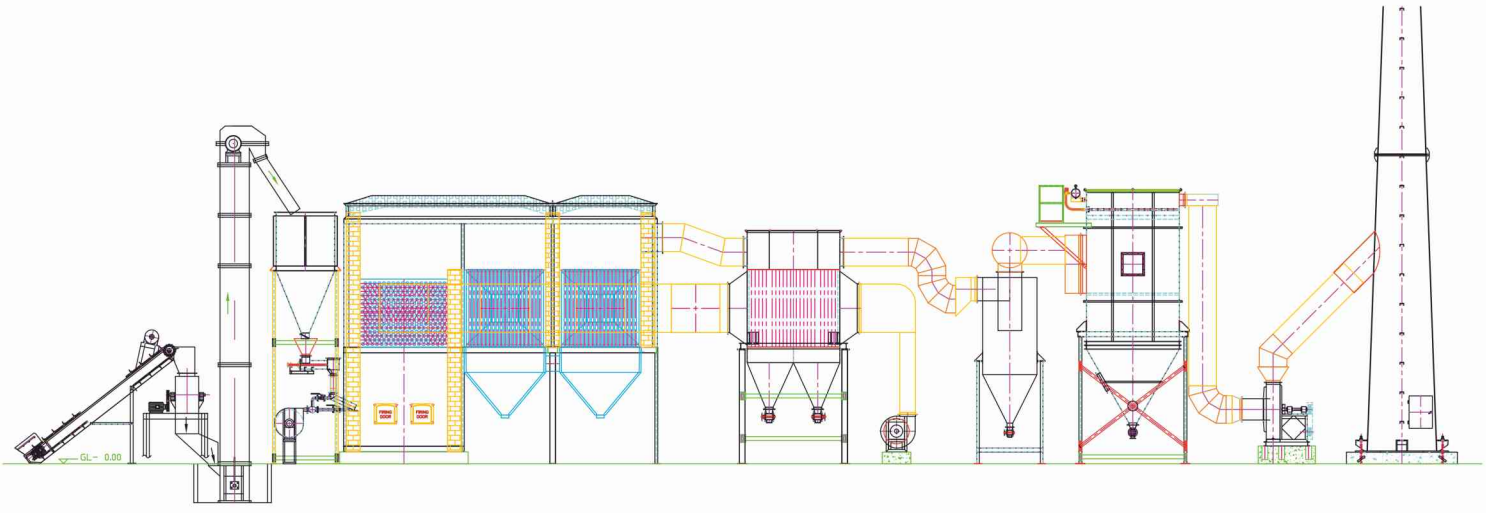
Where the cold air fed in to the Heat Recovery Unit (HRU) through C. A. Fan, gradually is heated and passes to Convective Heat Exchanger and then Radiative Heat Exchanger to final process.

As we consider the flue gas path, flue gas passes from furnace to Radiative Heat Exchanger to Convective Heat Exchanger than HRU unit to Air pollution equipment to I.D. Fan and Chimney.

Radiative Heat Exchanger / Convective Heat Exchanger / HRU unit / Air Pollution Equipment.

Forced Draft Fan Is Used

Radiative Heat Exchanger to Convective Heat Exchanger than HRU unit to Air pollution equipment to I.D. Fan and Chimney.



Our **Work** Shop

PLC BASED CONTROL PANEL

Clients

ADITYA BIRLA GROUP

Pidilite

Greenply

AUSTIN PLYWOOD

USUMGAR

DURGA PROCESSORS

Bindal Silk Mills Pvt. Ltd.

R.M. FOODS

ANUPAM RASAYAN INDIA LIMITED

BKS TEXTILES
Responsibility First
Estd 1985

Kiri Industries Limited
Future Full of Colours.....

'TORAY'
Innovation by Chemistry

Nandan
One world with denim

BANSWARA

GBTL

poppys
KNITWEAR PRIVATE LIMITED

Product Applications

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Textile Industry

Plywood Industry

Chemical Industry

Food Industry

Wafer Industry

Onion Dehydration Plant

Pharma Industry

Packaging Industry

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Scan For More Details