



MADE IN INDIA



12⁺

YEARS OF
EXPERIENCE

In The Same Discipline



YOUR TRUSTED BOILER PARTNER

ABOUT OUR COMPANY

The company holds an ISO 9001 : 2015 certification to achieve high quality standards. Zennex, a leading manufacturing company of Boilers & Pollution Control Equipments.

Zennex aims to provide quality product at best competitive rates to the customers. We have gained good reputation amongst our customers by providing high quality product and fast efficient service.

Zennex is a leading provider of innovative manufacturing solutions. With our extensive experience and advanced technology, we consistently deliver high-quality products that meet the needs of our global clients.

MANUFACTURING UNIT



VISION

At Zennex , Our each thought & effort is committed to deliver qualitative products and work in heating industry.

Solutions we provide are efficient and Eco-friendly too, as we believe in sustainable development of environment and customer satisfaction

OUR MISSION

Become a lean power train manufacturing plant focused on cost efficiency and product reliability with performance through:

- Surpassing customers expectations of quality and delivery.
- Innovative and sustainable processes focusing on prevention of natural resources.
- Empowered and enthused work environment promoting core values.

CORE VALUES

12⁺

Industry
Exprience



Timely
Delivery



Cost Effective
Prices



Innovational
Team Management

WHAT IS A THERMIC FLUID HEATER?

A thermic fluid heater is an industrial heating system used to heat thermic oil for indirect heating applications. It provides consistent, controlled heat at high temperatures up to 350°C without pressurization.

ADVANTAGES.

- Low pressure, high-temperature operation
- No water treatment or steam trap losses
- Low maintenance and higher fuel efficiency
- Ideal for continuous processes

WHY CHOOSE ZENNEX ?



After Sales
Support



Certified
Manufacturing

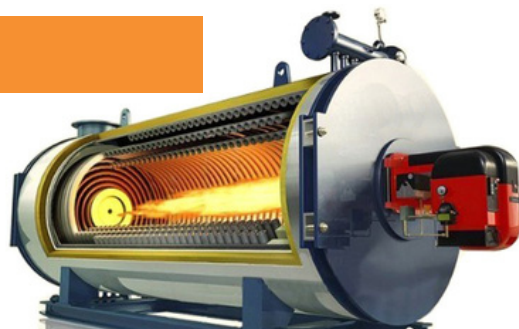


In-house Coil
Rolling & Design
Fabrication



Turnkey Project
Execution

3D LAY OUT OF ZH SERISE



PHOTOS GALLERY



60⁺

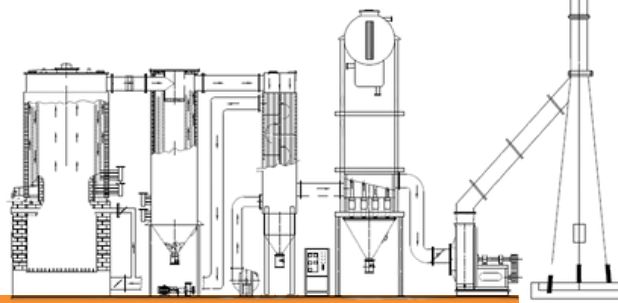
Installation
Every Years

500⁺

Customer
World Wide

80⁺

Industries
Served



2D LAY OUT OF ZS SERIES

PRODUCT RANGE

ZH- SERIES



- Heat Load 0.1 M to 4.0 M Kcal/hr
- Three pass Horizontal optimum heat recovery and best in class efficiency $88 \pm 2\%$ approx.
- This series is suitable for Multi fuel options like HSD, LDO, Furnace oil, PNG, LPG and Wood pallet.
- Imported and high class component using of unit for Reduce breakdown, hence downtime of units and plan major shutdowns.
- Horizontal series is a very convenient and easy to maintain for most efficient heat transfer.

- Heat Load 0.1 M to 0.6 M Kcal/hr
- Use multiple fuels like Wood, Coal, Briquette and other Solid fuel with compatible sizes.
- All component in one frame for easy to use and easy to install in one day
- Minimum space required for installation for Vertex SK thermic fluid heater
- Fully automatic operated system.
- All required safety feature and technical fault alarms in this design.
- Big economical saving and no pollution.
- No technical operator require for operate in this Vertex SK series thermic fluid heater.

ZV-SK-SERIES



YOUR TRUSTED BOILER PARTNER

- Heat Load 0.8 M to 1.5 M Kcal/hr
- Temperature of thermic fluid at outlet up 300 c
- Use multiple fuels like Wood, Coal, Briquette ,Rice husk and other Solid fuel with compatible sizes.
- Four pass Horizontal optimum heat recovery and best in class efficiency $76 \pm 2 \%$ approx.
- With advance Cyclonic air system in furnace for proper combustion of fuel
- IN Four pass Series Provision of effective all flue gas passes within heat exchanger
- Minimum smoke temperature.

ZV4- SERIES



ZHP- SERIES



- Heat Load 0.1 M to 2.0 M Kcal/hr
- Three pass Horizontal optimum heat recovery and best in class efficiency $87 \pm 2 \%$ approx.
- Zhp series is very compact design which required less space for installation.
- This series is suitable for Wood pallet.
- Imported and high class component using of unit for Reduce breakdown, hence downtime of units and plan major shutdowns.
- Zhp series is a very convenient and easy to maintain for most efficient heat transfer.

YOUR TRUSTED BOILER PARTNER

ZS- SERIES



- Heat Load 1.5 M to 4.0 M Kcal/hr
- Specially Developed Five Pass design for Maximum heat recovery.
- Highest efficiency in this segment almost 82% with multi pass Air pre heater.
- Five Pass thermic fluid heater systems design in furnace for thunderstorm create of flue gas to try maximum heat use.
- Striker series is suitable for Multi fuel options like Wood, Coal, briquette, rice husk, and all type of Argon waste.
- For best performance Striker series model should be installed with appropriate pollution control unit.
- Striker series easy to use and easy to install in couple of the days.

- Heat Load 0.1 M to 2.0 M Kcal/hr
- Foodex series specially designed For Edible oil Heating Direct Edible oil Heating with almost 90% efficiency
- Foodex series is a very closed-packed design and easy for maintenance.
- This series is suitable for Multi fuel options like HSD, LDO, Furnace oil, PNG, LPG and Wood pallet.
- Foodex series is design for particular minimum space allocation and flexible to install.
- We deliver capacities with suitable to Namkeen / Potato chips production capacity to get maximum production in food industries.

ZF- SERIES



YOUR TRUSTED BOILER PARTNER

- Heat Load 0.1 M to 2.0 M Kcal/hr
- Compact Design: Hot air generators are often compact and easy to install, making them suitable for integration into existing systems.
- Agriculture: Used for greenhouse heating and grain drying.
- Temperature of air at outlet up to 280 C (Expandable up to 320 C)
- Hot air generators produce hot air using a fuel or energy source with high efficiency.
- They can reach the required temperature quickly, so they are useful in industrial applications that require fast processing.
- Indirect heating generators help control pollutants because combustion gases are not directly introduced into the process. Many hot air generators can run on different types of fuel, providing flexibility to users.



HOT WATER GENERATOR



- Heat Load 0.1 M to 2.0 M Kcal/hr
- Hot Water Generators are available in both Solid Fuel firing as well as LDO / Gas / Dual Fuel firing variants so that you get the advantage of economically available fuels.
- Fuel options LDO / Natural Gas / LPG / Coal / Wood / Briquettes / Pallets / Electricity
- Auto / Manual operation
- Control on-off / Two Stage (Low-High)
- 90°C maximum hot water outlet temperature
- 120°C maximum hot water outlet temperature through pressurised system

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ZE SERIES



- Can reach temperatures up to 340° C
- Fully automatic operation
- High operating efficiency
- High Thermic fluid volume in shell for adequate thermal storage
- Expansion tank prevents overheating of Thermic oil
- Deaerator releases excess vapors & prolongs life of Thermic oil
- Air-cooled Thermic fluid circulating pump with mechanical seal
- Multiple safety features
- Pressure less and vapor free system
- Thick insulation to prevent heat loss

- The range of 1.0 TPH to 15 TPH
- Three-pass smoke tube with fully wet back boiler
- Multi-fuel option - light oils/heavy oils/gases
- High efficiency of about 88% to 95%
- High dryness fraction steam increases usable heat
- Comes with mono-block/ dual block/steam atomized burner with world renowned Technology
- Additional option of oil pre-heater confirming to EN safety standards
- Optional PLC based control panels which can be hooked to SCADA or DCS systems

STEAM BOILER



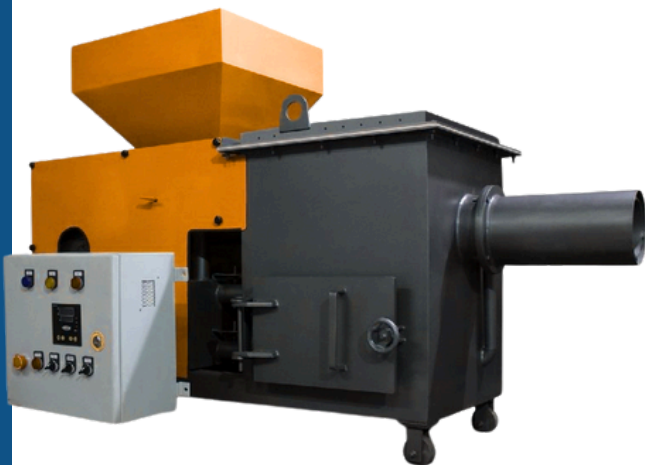
YOUR TRUSTED BOILER PARTNER

- We Are supplied pollution control equipment comes with assurance to achieve pollution control board norms.
- Dealing in pollution control equipment like bag filter, wet scrubber, multi cyclone duct collector etc...
- We supplied systems with following norms of POLLUTION CONTROL BOARD. Supplying future technology with most eco-friendly solutions.
- Our supplied systems achieve SPM, high temperature, SOx and NOx level.

POLLUTION CONTROL EQUIPMENTS

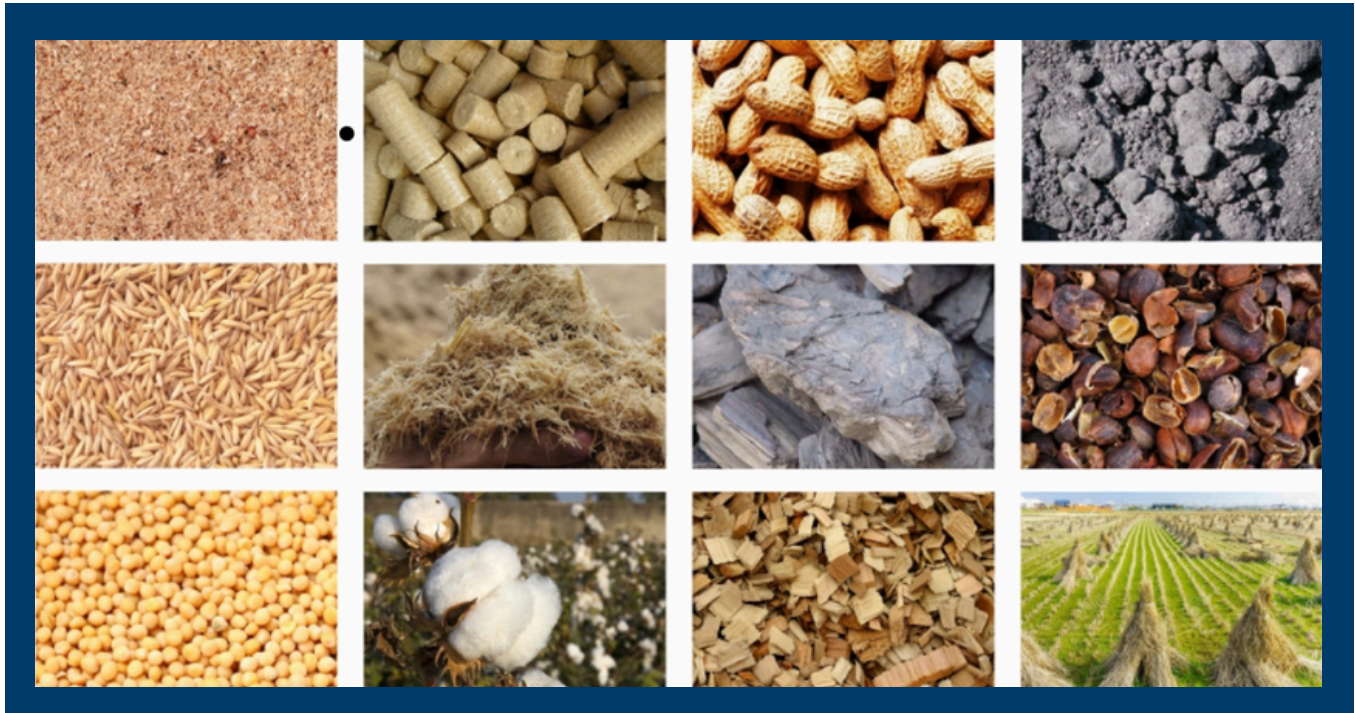


WOOD PELLET BURNER



- Heat Load 0.1 M to 1.2 M Kcal/hr
- Solid Bio Fuel based system
- Clean & Suitable
- Automatic Control Mechanism
- PLC Based Real Time Data/Control
- Self Ignition
- Auto Temperature Control
- Fuel Level Indicator
- Fuel Consumption Monitoring
- PLC Based Control Panel With HMI / Touchscreen

TYPE OF FUEL



- Saw Dust
- Briquettes
- Mustard Straw
- Indonesia coal
- Groundnut Shell
- Bagasse
- Lignite
- Coffee Husk
- Rice Husk
- Cotton Stalk
- Wood Chips
- Rice Straw

ROUTING MAINTENANCE SCHEDULE

TASK	FREQUENCY
Check thermic fluid level	Daily
Clean filter & strainers	Weekly
Apply greece oil pump ,ld fan,Fd fan	Weekly
Burner & coil cleaning	Monthly
Thermic oil sample test	6 months
Full system inspection	6 months

WHERE WE SERVE

- Food & Beverages Industry
- Printing & Packing Industry
- Oil And Refineries Industry
- Textile Industry
- Plywood And Laminates Industry
- Bitumen & Asphalts Industry
- Rubber Industry
- Chemical & Pharmaceutical Industry
- **& Mane More...**

GLOBALLY SUPPLIERS

- Essar
- Ti
- Udian Contolers
- Ksb Pump
- Masdaf Pump
- Denfoss
- Bentone,Unigas,Riello Burners
- Suntec Fuel Pump
- Fida,Siemens and L&T

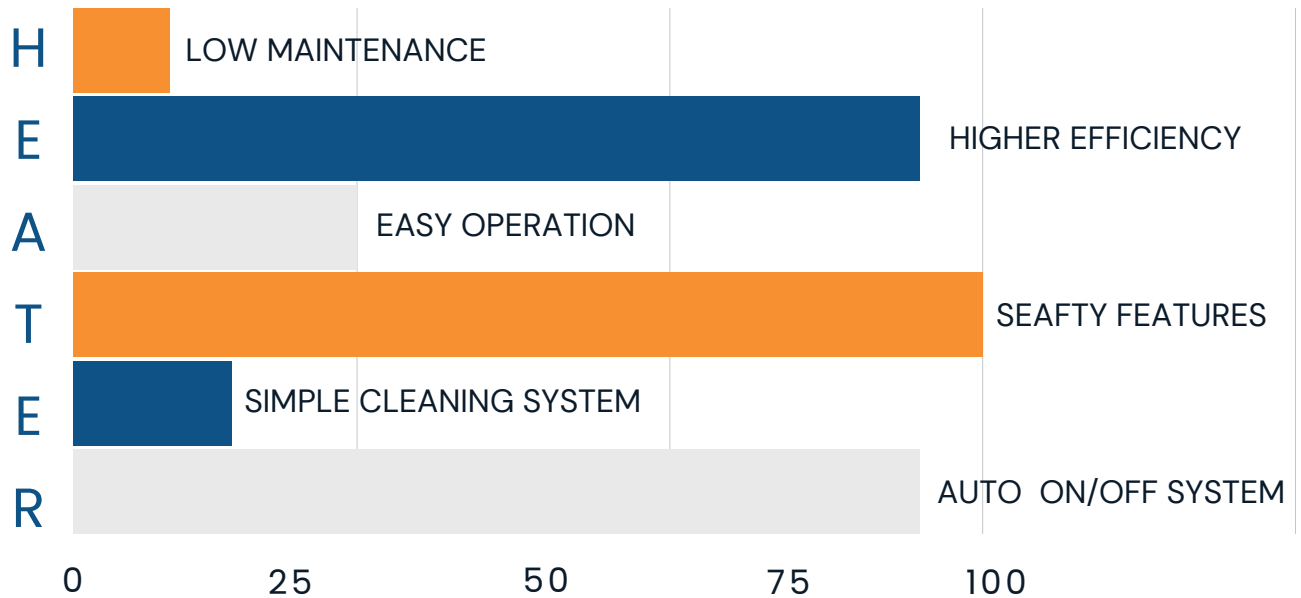
IN HOUSE FACILITIES

- Automated Tig Welding
- Automatic Coil Bending Facility
- Hydraulic Shell Bending Machine
- High Capacity Cranes
- Radial Drill Machine

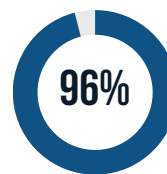


ALWAYS USE TIG WELDING
IN INTERNAL COIL

SALIENT FEATURES

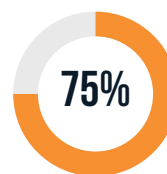


QUALITY CERTIFICATION



CUSTOMER SATISFACTION

High level of satisfaction with the products and services provided by ZENNEX

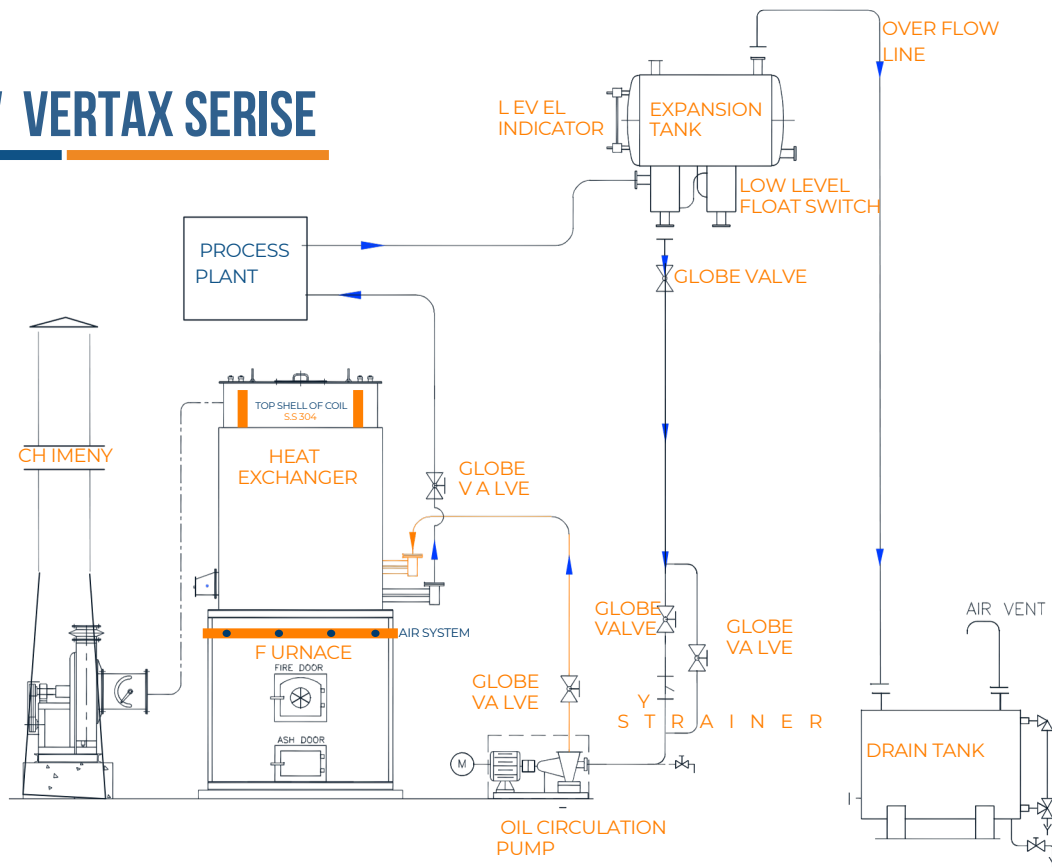


REPEAT CUSTOMER

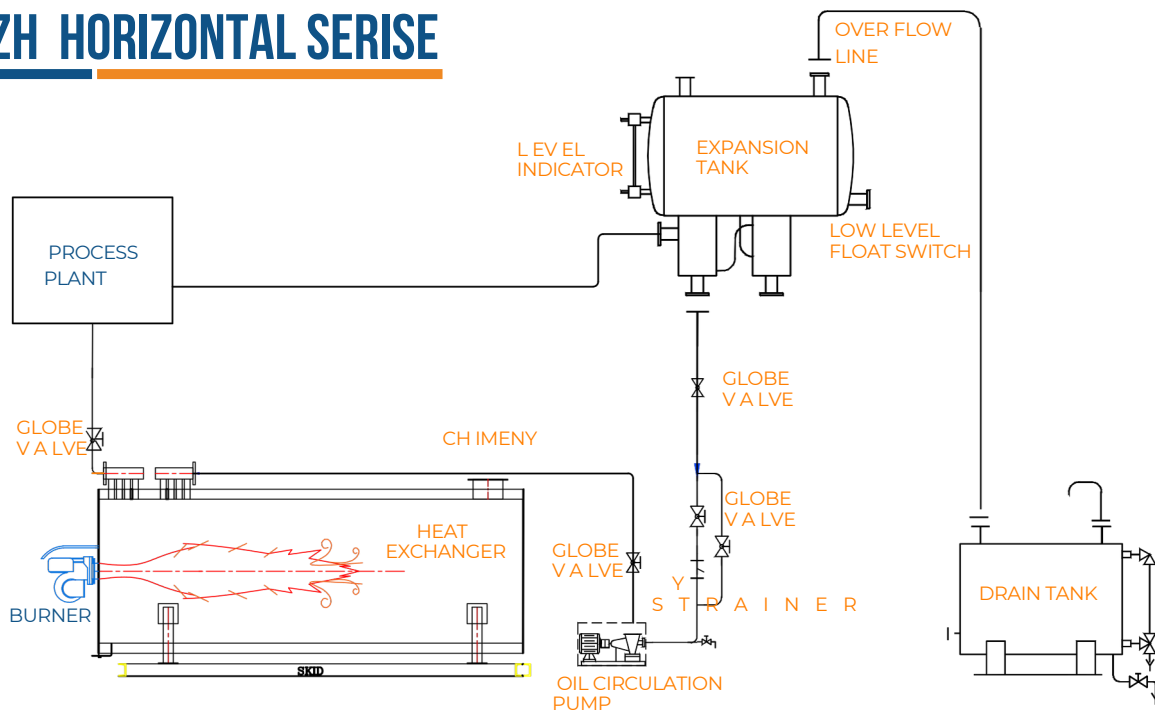
Trusted by customers. Chosen again and again.

PIPELINE & INSTRUMENTATION DIAGRAM

ZV VERTAX SERISE



ZH HORIZONTAL SERISE





THANKS FOR BEING WITH US

Your trust in our vision drives us to set new benchmarks in quality, performance, and customer satisfaction—year after year.

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