



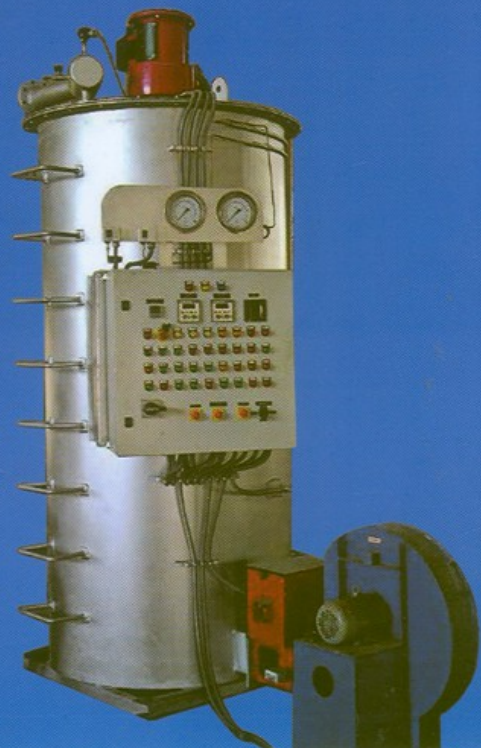
An ISO 9001:2008 Certified Company

## THERMIC FLUID HEATER



- Higher Efficiency  $88 \pm 2\%$  For Liquid & Gas,  
 $75 \pm 2\%$  For Solid Fuel Firing
- Liquid Sealing Arrangement
- Simplex / Duplex Circulating Pump System
- Turnkey System

[www.energypackboilers.com](http://www.energypackboilers.com)





## ABOUT OUR COMPANY

After celebrating 25 years of Excellence in Manufacturing of Boilers & its Accessories now the Third Generation is Expanding the Business in the Trajectory of Higher Growth.

Energypack has In-house team of Engineers to handle all the crucial functions like Design, Supply, Erection & Commissioning of the project on turnkey basis. In the light of the inherent strength of the company, we are confident of achieving the high standard of quality required for any project it executes.



## VISION

"To design and offer across the globe an eco-friendly, energy efficient, maintenance free & technologically superior products with minimum inventory of spares."



## MISSION

"We Strive for enhanced customer satisfaction by fulfilling all the business commitments like timely delivery, prompt after sales service and taking pride in getting repeat orders from our valued clients."



## GOAL

Our goal is to be truly unique in our ability to work with customers to provide indigenous product solutions at prices everybody can afford.

1. To achieve highest possible customer satisfaction, driven by honesty, integrity & commitment to excellence.
2. To provide fast, efficient, customized products that best suited to customer need.
3. To become the most trusted supplier in the industry.



## Certifications



## Third Party Inspection



**BAXCOUNSEL**  
INSPECTION BUREAU PVT. LTD.  
An ISO -9001:2000 Certified Company

## Quality Policy

We at ENERGYPACK BOILERS PVT. LTD. are committed to Quality by :

### Customer Driven

- To Satisfy our customer's needs and expectations on time.

### Performance Focused

- Verify that our products and services meet agreed requirements
- Monitor, benchmark and continuously improve our business products and services, organization and employees performance

And effective implementation of QMS.

## Quality Objectives

To Achieve Quality Policy Following Quality Objectives which are kept in Focus while Carrying out all our Activities.

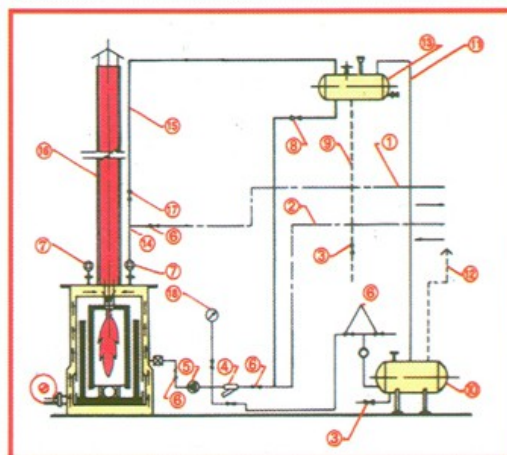
### Customer Centric

- To achieve customer satisfaction through data generated from the Customer Feedback received from consumer.
- Deliver products in time
- To increase customer Knowledge by providing information of our products
- To continuously improve the effectiveness of Quality Management System by relevant findings from Management review Committee Meetings.



## THERMIC FLUID HEATER

- |                         |                        |
|-------------------------|------------------------|
| 1. Outflow              | 10. Drain Tank         |
| 2. Return Flow          | 11. Air Expansion pipe |
| 3. Drain Valve          | 12. Airvent            |
| 4. Strainer             | 13. Expansion Tank     |
| 5. Oil circulation Pump | 14. Separator          |
| 6. Isolating Valve      | 15. Air Vent           |
| 7. Header               | 16. Chimney            |
| 8. Suction Valve        | 17. Airvent Valve      |
| 9. Drain Pipe           | 18. Pressure Gauge     |



## THREE PASS VERTICAL / HORIZONTAL

**Ist Pass :** First pass of the flue gas is downward horizontal inside spirally wound coil through which thermic oil circulates. Exposed to maximum heating area to radiant heat.

**IInd Pass :** Upward horizontal in between the two spirally wound coil. Convective heating area.

**IIIRD Pass :** Downward horizontal between outside coil & inner shell. Unique shell design reduces stack loss.

**Insulation :** Combustion air is forced between the two shells & aluminium radiator which acts as insulation for outer shell & preheats the air for better combustion efficiency.

**Burner & it's Controls :** Fully automatic, downward horizontal firing, pressure jet, On-Off-Modulation or High/Low modulation. Burner will have all safeties like flame failure device (Photocell), high temperature cut off, low flow safety, high pressure cut off. In case of abnormal condition unit will go in lockout with audio-visual alarm. The modulation is achieved by providing on-off temperature controller which will start & stop the burner according to heat load & reduces fuel consumption in proportion to heat load in plant giving best fuel efficiency for plant operation.

MODEL	HEAT OUTPUT KCAL/ HR	GAS NM <sup>3</sup> / HR	FUEL CONSUMPTION		MODEL	COAL KGS/ HR	BRIQU- ETTE KGS/ HR	WOOD KGS/ HR
			L.O.D, KGS / HR	F. O, KGS / HR				
EPT/05	50,000	7	5.5	5.9	EPT-EXT-05	13	17	21
EPT/10	1,00,000	14	11	11.8	EPT-EXT-010	26	34	42
EPT/20	2,00,000	28	22	23.6	EPT-EXT-020	52	68	84
EPT/30	3,00,000	42	33	35.4	EPT-EXT-030	78	102	126
EPT/40	4,00,000	56	44	47.2	EPT-EXT-040	104	136	168
EPT/50	5,00,000	68	55	59	EPT-EXT-050	130	170	210
EPT/60	6,00,000	84	66	72.8	EPT-EXT-060	156	204	252
EPT/100	10,00,000	136	110	118	EPT-EXT-100	260	340	420
EPT/150	15,00,000	204	165	177	EPT-EXT-150	390	510	630
EPT/200	20,00,000	272	220	236	EPT-EXT-200	520	680	840

CALORIFIC VALUE
FURNACE OIL - 9650 KCAL / HR
LDO - 10,250 KCAL / HR
COAL - 5400 KCAL / KGS
WOOD - 3200 KCAL / KGS
BRIQUETTE - 4000 KCAL / KGS
GAS - 8500 NM <sup>3</sup> / HR



## KEY FEATURES OF ENERGYPACK THERMIC FLUID HEATERS

- HEAVY CONSTRUCTION** Energypack Thermic Fluid Heaters are fabricated as per latest engineering practice to ensure safety in operation along with a comparatively high efficiency level.
- THREE PASS FORCED CIRCULATION** Thermic Fluid circulates through Double Coil having Single/Double/Triple start depending on capacity. Three pass circulation guarantees a higher efficiency level which helps to enhance the most of the energy from the fuel.
- ABILITY TO USE WASTE AS A FUEL**
- FULLY AUTOMATIC CONTROL** To enhance the performance and to reduce operator involvement, Energypack thermic fluid heaters are supported with fully automatic control system including efficiency controls, safety controls and alarm notification. Specifically the high flue gas temperature control, controls demand set points such as temperature & pressure to supply energy depending on the plant demand.
- AIR PRE-HEATER TO ENHANCE THE EFFICIENCY** To achieve utmost absorption of heat from the fuel, ENERGYPACK thermic fluid heaters are featured with air pre heater to heat the inlet air for the combustion purpose.
- COST EFFECTIVE DESIGNS** ENERGYPACK provides cost effective design for chimneys, piping for TFH to reduce the cost involved with the TFH accessories. ENERGYPACK is capable to construct guy wire rope & self supported chimneys as per the latest available standards and to the client's specification.

Note : All design and dimensions subject to change without notice.



## OTHER PRODUCTS



Waste Heat Boiler



Hot Water Boiler



Electrode Boiler



Dewaxing Autoclave Boiler



Incinerators



Hot Air Generator



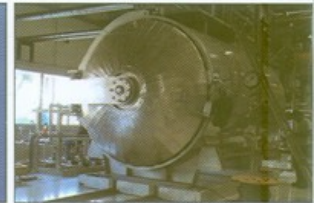
Pressure Vessels



Heat Exchanger



Self Supported Chimney



Hot Air Circulation Autoclave

## OUR CLIENTS

### PSU



Centre For Advanced Technology, Indore



I.P.C.L.



Indian Ordnance Factories



BPCL



Panchmahal Dairy



Hindustan Aeronautics Limited



I.I.T. Mumbai



Patna Dairy Project



Mazgaon Docks Ltd.



COFMOV



Aavin Dairy



Karnataka Milk Federation



N.D.D.B.



G.S.F.C.

### PVT



Apar Industries



Baidyanath



Sun Pharma



Century Rayon



TOTO India



Kohler



Ramani Icecream



Diamond Power



Investment & Precision Castings Ltd.



Taj Hotels



Uni Deritend Ltd.



Voltas International



Sanmar Foundries



GE India



Utech Projects Pvt. Ltd.

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We also have Representatives in :  
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CHENNAI | PONDICHERRY

International Presence  
KENYA | BALNGLADESH | U.K.