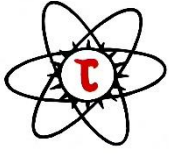


# THERM TECH ENGINEERING CO.



THERM TECH

Fact : Plot no. 48, Sector-57, Phase –IV, HSIIDC, Kundli, Dist.- Sonapat, Haryana

Office : BH-290, East Shalimar Bagh, Delhi-110088

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## Therm Tech Air Heaters

This is a compact, rigid, noiseless, highly efficient, fully automatic 4 Pass reverse flame Air Heater.

TAH model air heater are designed to provide unmatched performance with high efficiency and maintenance free operation. Our air heater are a product of more than 20 years of industrial heating line design experience.

The main constituent of TAH model air heater are the casing which is insulated with the L.R.B mattress for better insulation, indirect fired heat exchanger fabricated out of stainless steel for longer life of unit, a flue gas duct, compact pressure jet burner and ventilation blower.

The ventilation blower fitted at the bottom of the unit blows air upward over the indirect fired heat exchanger, the hot air from the chamber at the top of the unit is ducted away to the required place. The dust proof electrical control panel box is located at the top front portion of the air heater itself for easy operation.



**Therm Tech Air Heaters  
Gas/Diesel Fired**

### Why choose us?

- ❖ Our industrial heaters promise high performances and are built using the latest technology.
- ❖ All our products are designed keeping in mind the customer's needs.
- ❖ Our heating units are built for high durability, less noise, maximum efficiency, and reliability.
- ❖ Our expert team strictly follows the total quality management.

Therm Tech Air Heaters are used for process heating and central heating where there is requirement of hot air for any industrial or comfort heating application. Hot air is indirectly heated through the heat exchanger which is diesel/gas/solid fuel fired. Temperatures up to 150 deg. C can be achieved. The temperature control and burner operation is fully automatic. Air Heaters are manufactured by us from 25,000 kcal/hr to 4,00,000 kcal/hr. The main component of air heaters consists of insulation, the combustion chamber made out of stainless steel, a flue gas outlet, fuel oil burner, blower and smoke tube.



**Therm Tech Air Heaters  
4 Pass Solid Fired**

## Advantages of Therm Tech Air Heaters

- Running cost is much lower than thermic fluid and steam heating.
- Ensures high performance

- They are economical at all levels.
- Low initial cost as compared to thermic fluid heating.

- Low Operational and Maintenance cost.
- 100% depreciation on Therm Tech Air Heater in the 1st Year. (As per Income Tax Rules)

## Salient Features of Therm Tech Air Heaters

- Reverse Flame Technology
- Four Pass Design
- Stainless steel Heat Exchanger
- Clean Hot Air
- Fully Automatic Operation
- Easy to Operate
- Space Saver and easy Installation
- Heavy Duty Construction
- Noiseless Operation to reduce Noise Pollution
- Eco-friendly / Low NOx, CO & Aldehydes Emission

## Applications of Therm Tech Air Heaters

- ❖ Rotogravure Printing
- ❖ Lamination & Adhesive Tapes
- ❖ Pharmaceuticals
- ❖ Space Heating
- ❖ Food Industries
- ❖ Pulse & Cereals
- ❖ Drying Chamber/Tumbler
- ❖ Plastics
- ❖ Corrugation Boxes
- ❖ Tobacco Drying
- ❖ Automotive

## Electric Control Panel

A fully dust proof control panel houses all the relays and controls required for the safe operation of the unit and its auxiliaries. Star Delta switchover wherever necessary is automatic through a timer. Full overloaded protection ensures that motors do not get overheated. All motor winding wiring and other components conform to specification laid down by the Indian Bureau of standards.

## Gas Burner

Therm Tech Thermic Fluid Heater are fitted with a complete gas burning system comprising a pressure jet burner, a F.D fan, gas prob and spark ignition. Also necessary accessories like gas train, filters, low pressure PRV, pressure gage, etc are provided.

## Oil Burner

Therm Tech Thermic Fluid Heater are fitted with a complete fuel oil burning system comprising a gear pump, a pressure jet burner, a F.D fan and spark ignition. Also necessary accessories like filters, non-return valve, etc are provided. The oil burning system is adaptable to a wide range of oil fuels such as LDO, HSD, furnace oil and LSHS with minor changes in the basic system.

## Financial Benifits

- ❖ Running cost much lower than Thermic Fluid Heater or Steam Generator.
- ❖ Therm Tech Air Heater is economical at all levels.
- ❖ Low initial cost as compared to Thermic Fluid Heater
- ❖ Low operation and maintenance cost.
- ❖ 100% depreciation on Therm Tech air Heater in the 1<sup>st</sup> year. (As per Income tax rules)

## After-sales Service

A fully trained and competent team of service engineers is available for quick servicing whenever necessary. Our Office are equipped with essential instruments, tools and spares required for wide variety of maintenance and repair.

Our constant endeavor is to improve the design as a consequence of which the specifications are subject to change without notice. Illustrations are representative only and subject to modifications.

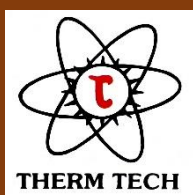
## Therm Tech Air Heater Diesel/Gas- 4Pass

Model	Unit	TAH-25	TAH-50	TAH-100	TAH-150	TAH-200	TAH-300	TAH-400
<b>Heat Performance</b>								
Heat Load	kcal/hr	25,000	50,000	1,00,000	1,50,000	2,00,000	3,00,000	4,00,000
Max. Hot Air Temp.	°C	150	150	150	150	150	150	150
Process Air Flow Rate at STP	m <sup>3</sup> /hr (80°C)	1750	3500	7000	10500	14000	21000	28000
Thermal Efficiency	%	90±2 Based on Fuel GCV						
Diesel Consumption	kg/hr	2.75	5.5	11	16.5	22	33	44
PNG Consumption	m <sup>3</sup> /hr	3.25	6.5	13	19.5	26	39	52
LPG Consumption	kg/hr	2.4	4.8	9.7	14.5	19.3	30	38.6
Electric Supply		415 ± 6%, 50 ± Hz 3%, 3phase, 4 wire						
Blower Motor	kW	0.75	2.2	3.7	5.6	7.5	11.25	15
<b>Overall Dimension</b>								
Length	mm	1400	1500	1600	1700	1800	1900	2000
Width	mm	860	960	1060	1160	1160	1260	1360
Height	mm	1725	1800	2000	2300	2300	2500	2500

## Therm Tech Air Heater Wood Fired- 4Pass

Model	Unit	TAH-100	TAH-150	TAH-200	TAH-300	TAH-400
<b>Heat Performance</b>						
Heat Load	kcal/hr	1,00,000	1,50,000	2,00,000	3,00,000	4,00,000
Max. Hot Air Temp.	°C	150	150	150	150	150
Process Air Flow Rate at STP	m <sup>3</sup> /hr (80°C)	7000	10500	14000	21000	28000
Thermal Efficiency	%	78±2 Based on Fuel GCV				
Wood Consumption	kg	36.5	55	73	109	146
Coal Consumption	kg	28.5	43	57	85.5	114
Electric Supply		415 ± 6%, 50 ± Hz 3%, 3phase, 4 wire				
Blower Motor	kW	3.7	5.6	7.5	11.25	15
ID Fan	kW	0.75	0.75	1.5	1.5	2.2
<b>Overall Dimension</b>						
Length	mm	2500	2650	2850	3000	3150
Width	mm	1700	1900	2000	2100	2200
Height	mm	2150	2150	2150	2350	2550

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Note: We reserve the right to change any specifications without prior notice.