



STEAMGEN & CONTROL SYSTEMS

IBR Steam Boilers/Heat Pumps/Steam Generators/Hot-Water Generators/ Thermic-Fluid Heaters.

<https://www.indiamart.com/steamgen-controlsystems/>, www.steamgenglobal.com

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Works: Plot no.5, Kh.15/12/2, Laxmi Park, Phase-II, Ranhola Extension, Nangloi, New Delh-110041.

GST no.07BOAPS9682H1ZD



The THERMOPAC Series I, Horizontal Three Pass Solids fuel Fired Thermic Fluid heater is designed for maximum efficiency, using a variety of solid fuels including agro-waste fuels. It allows high process temperatures at low operating pressures.

The combustion system for solid fuels consists of fuel handling and stoking equipment, refractory lined chamber, air and flue gas handling system (including I.D. fan and F.D. fan) with blowers and pollution control equipment. The furnace construction is done on site (only for bricks works). It includes foundation, fabrication and erection of supporting structure, building up refractory chambers, fixing up firing doors, ash doors, access doors, support bars for fire grates, gratebars, etc.

PRODUCTS FEATURES:

For fuel such as coal, wood, brickets, baggasse, etc.

Option of grate/inclined perforated grate/flat grate, etc.

Easy operation in different type of solid fuel with maximum efficiency.

OPERATING RANGE:

Capacities From 0.1 to 2.0 million kcal/hr

Firing fuels: Solid fuels/agro-fuels

Efficiency: Overall efficiency of 70 % (+/-2%) on NCV with APH

TECHNICAL SPECIFICATION OF SOLID FUEL FIRED IN HORIZONTAL THERMIC FLUID HEATER											
DETAIL	UNIT	HTFH10	HTFH20	HTFH030	HTFH040	HTFH60	HTFH100	HTFH150	HTFH200	HTFH250	
Heat Output	Kcal/Hr	1,00,000	2,00,000	3,00,000	4,00,000	6,00,000	10,00,000	15,00,000	20,00,000	25,00,000	
Outlet Temp.	Degree C	300	300	300	300	300	300	300	300	300	
Thermal Efficiency	η +/-2%	70	70	70	70	70	70	70	70	70	
Fuel Consumption	LIGNITE	Kg. / Hr	48	95	142	190	285	476	719	952	1190
	COAL	Kg. / Hr	32	64	96	128	192	320	476	635	794
	WOOD	Kg. / Hr	45	90	135	180	270	445	670	893	1116
Electric Load Thermic Fluid Pump	HP	5	7.5	7.5	10	15	20	30	40	50	
Overall Dimensions											
Length	mm	3215	3915	4250	5690	6505	7115				
Width	mm	2120	2465	3120	3330	3940	4090				
Height	mm	1230	1575	2115	2365	2365	2795				

- GCV For coal is 4500 Kcal/KG
- GCV For Lignite is 3000 Kcal/KG
- GCV For Wood is 3200 Kcal/KG
- GCV For Husk is 2800 Kcal/KG

