



Utech Projects Pvt. Ltd.



SMALL INDUSTRIAL BOILERS



**Solid Fired
Membrane Type SIB Boiler**



Oil / Gas Fired SIB Coil Type Boiler



**Oil / Gas Fired Horizontal
Smoke Tube Boiler**

- ◆ Boilers are fabricated under the inspection of Indian Boiler Regulation (IBR)
- ◆ IBR approved boiler operator not required.
- ◆ Design as per chapter XIV of IBR.
- ◆ Ensures all safety as per regulation.
- ◆ Inspection every two years by IBR ensures safety of all working parts.

Oil/Gas Fired Horizontal Smoke Tube Three Pass Small Industrial Boiler

- ◆ Range 100 Kgs / hr to 600 Kgs / hr at 7 Kgs / cm. sq pressure & 165° C temperature.
- ◆ Efficiency 86 % +/- 2 % on NCV.
- ◆ Complete package unit ready to commission with fuel, power & utility connection.
- ◆ Factory tested for all guaranteed parameters.
- ◆ Standard proven user friendly design in the market for small industries.
- ◆ Both Indigenous & Imported burner option available.
- ◆ Complete skid mounted design.

MODEL	CAPACITY	FUEL CONSUMPTION	
		Oil	Gas
EBPL-HSIB-100	100 Kgs/hr	6.2 Kgs/hr	7.5 Nm ³ /hr
EBPL-HSIB-200	200 Kgs/hr	12.4 Kgs/hr	15 Nm ³ /hr
EBPL-HSIB-300	300 Kgs/hr	18.6 Kgs/hr	22.5 Nm ³ /hr
EBPL-HSIB-400	400 Kgs/hr	24.8 Kgs/hr	30 Nm ³ /hr
EBPL-HSIB-500	500 Kgs/hr	31 Kgs/hr	37.5 Nm ³ /hr
EBPL-HSIB-600	600 Kgs/hr	37.2 Kgs/hr	45 Nm ³ /hr

LDO Calorific Value 10,250 Kcal/Kg

GAS Calorific Value 8500 Kcal/Nm³

Oil / Gas Fired Coil Type Small Industrial Boiler

- ◆ Range 100 Kgs/hr to 1200 Kgs/hr at 10.54 Kgs/cm.sq pressure (maximum upto 12 Kgs/cm. sq pressure) & Steam temperature of 185° C.
- ◆ Efficiency 88 % +/- 2 % on NCV.
- ◆ Complete package unit ready to use with fuel, power & utility connection.
- ◆ Factory tested for all guaranteed parameters.
- ◆ Coil type design very well accepted in the market for NON IBR steam boiler. NOW SIB boiler will have more water holding capacity & Larger coil pipe/tube diameter to avoid scaling problem.
- ◆ Dryness fraction of 96 % can be achieved with steam separator installed at the outlet of boiler.
- ◆ Instant steam generation within 3 minutes at full load.
- ◆ Skid mounted design fully automatic, with indigenous/imported burner option & user friendly.

MODEL	CAPACITY	FUEL CONSUMPTION	
		Oil	Gas
EBPL-CSIB-100	100 Kgs/hr	6 Kgs/hr	7.2 Nm ³ /hr
EBPL-CSIB-200	200 Kgs/hr	12 Kgs/hr	14.4 Nm ³ /hr
EBPL-CSIB-300	300 Kgs/hr	18 Kgs/hr	21.6 Nm ³ /hr
EBPL-CSIB-400	400 Kgs/hr	24 Kgs/hr	28.8 Nm ³ /hr
EBPL-CSIB-500	500 Kgs/hr	30 Kgs/hr	36 Nm ³ /hr
EBPL-CSIB-600	600 Kgs/hr	36 Kgs/hr	43.2 Nm ³ /hr
EBPL-CSIB-800	800 Kgs/hr	48 Kgs/hr	57.6 Nm ³ /hr
EBPL-CSIB-1000	1000 Kgs/hr	60 Kgs/hr	72 Nm ³ /hr
EBPL-CSIB-1200	1200 Kgs/hr	72 Kgs/hr	86.4 Nm ³ /hr

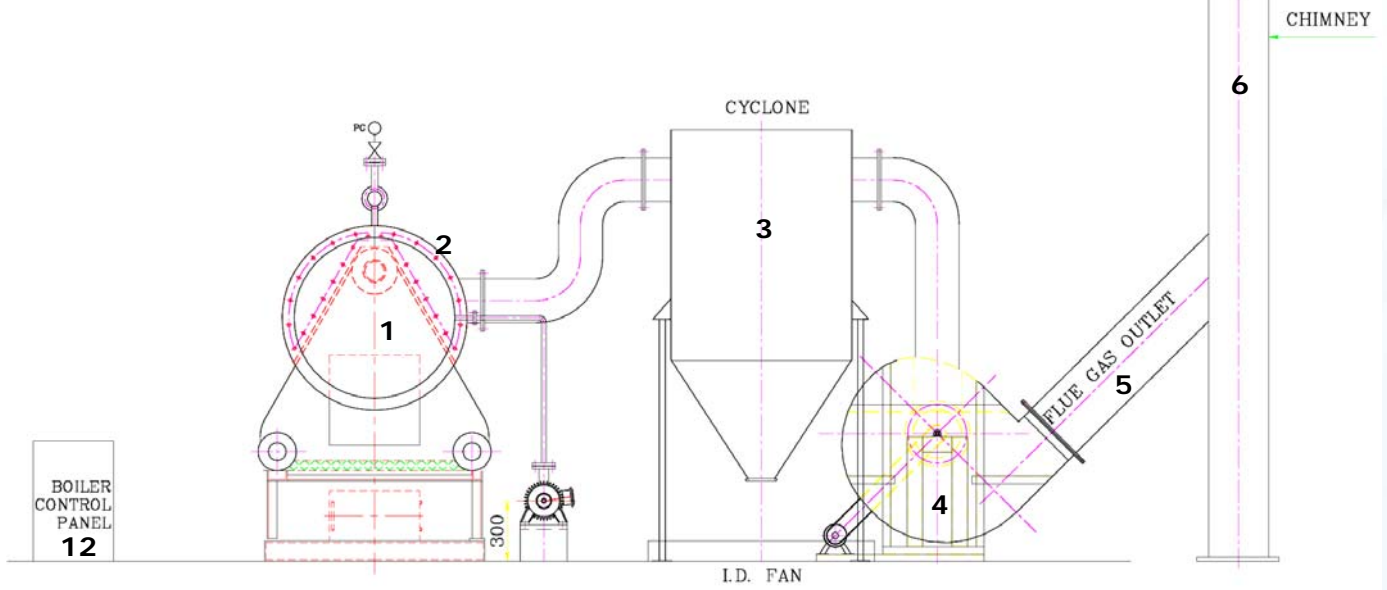
Membrane Wall Design Coal / Wood / Briquette Fired Three Pass Small Industrial Boiler

- ◆ Range 100 Kgs/hr to 800 Kgs/hr at 7 Kgs/cm.sq pressure & 165° C temperature.
- ◆ Efficiency 75 % +/- 2 %
- ◆ Solid fired package boiler suitable for all the solid fuels like wood/coal/lignite/briquette/wood chips etc.
- ◆ SIB boiler supplied with insulation & refractory for the furnace.
- ◆ External membrane wall water cooled furnace design ensures absorption of maximum heat liberated from combustion of fuel.
- ◆ Heat resistant cast iron grate bars provided to ensure longer life with bottom air cooled design.
- ◆ Balanced draft design with ID & FD for better combustion of solid fuel.
- ◆ Very economical in operation cost. Minimum steam generation cost.

MODEL	CAPACITY	FUEL CONSUMPTION		
		Coal Kgs/hr	Wood Kgs/hr	Briquette Kgs/hr
EBPL-MSIB-100	100 Kgs/hr	13.5	22.5	18
EBPL-MSIB-200	200 Kgs/hr	27	45	36
EBPL-MSIB-300	300 Kgs/hr	40.5	67.5	54
EBPL-MSIB-400	400 Kgs/hr	54	90	72
EBPL-MSIB-500	500 Kgs/hr	67.5	112.5	90
EBPL-MSIB-600	600 Kgs/hr	81	135	108
EBPL-MSIB-800	800 Kgs/hr	108	180	144

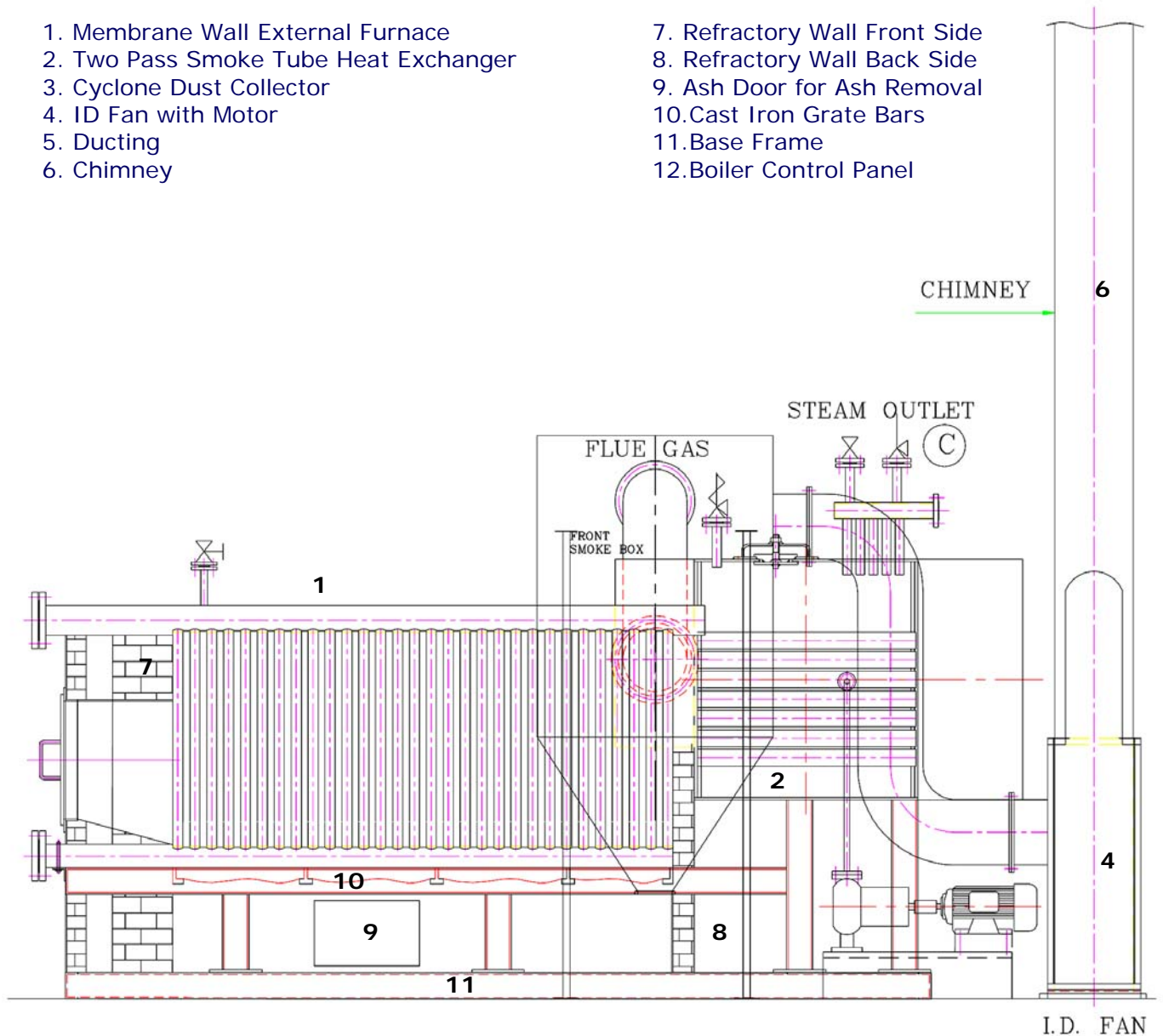
COAL:Calorific Value 5400 Kcal/Kg - WOOD:Calorific Value 3200 Kcal/Kg - BRIQUETTE:Calorific Value 4000 Kcal/Kg

General Arrangement For Energypack Membrane type Small Industrial Boiler



1. Membrane Wall External Furnace
2. Two Pass Smoke Tube Heat Exchanger
3. Cyclone Dust Collector
4. ID Fan with Motor
5. Ducting
6. Chimney

7. Refractory Wall Front Side
8. Refractory Wall Back Side
9. Ash Door for Ash Removal
10. Cast Iron Grate Bars
11. Base Frame
12. Boiler Control Panel



OTHER PRODUCTS

IBR & NON IBR STEAM BOILERS

- ◆ Self Supported Chimneys.
- ◆ Hot water Boilers.
- ◆ Heat Exchangers (TEMA).
- ◆ Pressure Vessels (ASME).
- ◆ Waste Heat Boilers.
- ◆ Electrode Boilers.
- ◆ Dewaxing Autoclave Boilers.
- ◆ Incinerators.



Membrane Wall SIB Boiler



Multi Cyclone Dust Collector with Rotary Airlock Valve.



Pressure Reducing Station.



Utech Projects Pvt. Ltd.

Authorised Exclusive Marketing Agency

of



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