

## Membrane Wall IBR Steam Boiler



- ▶ Higher Fuel Efficiency
- ▶ Less Steam Generation Cost
- ▶ Turnkey System with HRU, MDC & Ducting
- ▶ Working Pressure From 10.54 Kgs/cm<sup>2</sup> to 17.5 Kgs/cm<sup>2</sup>



## 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 order 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



INSPECTORATE



## 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.





## PERFORMANCE

Efficiency of solid fired boiler on N.C.V. is 75% plus with B.S./DIN tolerance on a very wide working range and higher figures are not un-common. Steam of high purity and dryness fraction is generated as heat transfer surface in the boiler is judiciously accommodated.

## STEAM RAISING TIME

After over night shut-down only twenty minutes are required to raise steam to maximum continuous rating from 5 Kg/cm<sup>2</sup> to 10.54 Kg/cm<sup>2</sup> (150 Psig) in standard package boilers. Standard design pressures are 10.54 Kgs/cm<sup>2</sup> & 17.5 Kgs/cm<sup>2</sup>.

## MEMBRANE WALL AGRO WASTE FIRED IBR BOILERS Technical Specification

MODEL NO.	EBPL M-III	EBPL M-IV	EBPL M-V	EBPL M-VII	EBPL M-IX	EBPL M-X	EBPL M-XI	EBPL M-XII	EBPL M-XIII	EBPL M-XIV	EBPL M-XV
STEAM OUTPUT TONS/HR (FROM & AT 100°C)	1	1.5	2	3	4	5	6	8	10	12	14
FLUE GAS OUTLET MM	400	450	500	600	700	750	800	850	900	950	1000
I. D. FAN MMWG (Without HRU & Cyclones)	75	75	75	100	100	125	150	150	150	160	160
F. D. FAN MMWG	50	50	75	75	75	75	80	80	100	100	100
NUMBER OF PASSES	3	3	3	3	3	3	3	3	3	3	3
STEAM BRANCH NB	50	65	80	100	100	150	200	200	200	200	200
WATER INLET NB	40	40	40	40	40	50	50	50	65	80	80
SAFETY VALVE (10.54 KGS/CM <sup>2</sup> )	25	25	25	40	40	50	50	65	80	80	100
BLOW DOWN VALVE NB	25	25	40	40	50	50	50	50	65	65	65

## UNIQUE WATER WALL DESIGN

Higher heat transfer in radiation zone, reduced refractory work & lower flue gas entry temperature in convective zone ensures longer life & better efficiency.

## FURNACE SUITABLE FOR VARIETY OF FUELS

Specially designed cast iron grate bar for fixed grate ensures compatibility with different fuels like Coal, Wood, Briquette & Lignite.

## TWO PASS CONVECTION DESIGN

Higher heat transfer area & lower temperature gradient due to two separate flue gas passes increases life of tube & avoids tube sagging due to very high temperature drop in single pass design.

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 (TEMA)



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.



COFMOW



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



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Taj Hotels



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