



EZHIL ENERGIES

ENERGISING THE FUTURE

BIO-MASS BOILER

Capacity 1 TPH to 8 TPH



No.65,66&67, Developed Plot Estate, Thuvakudi,Trichy -620015. Tamil Nadu. www.ezhilenergy.com

SALIENT FEATURES OF BIO MASS BOILERS



Optimally designed for wood logs / briquette / wood waste / coal.

Construction as per latest IBR or any other standard code of construction like ASME, BS, DIN etc.

Optimum steam space, furnace volume & well designed Grate area & fire bars

Its fully wet back design reduces the heat loss due to Radiation resulting in better efficiency

The inbuilt grate bars are specifically designed for type of fuel: Coal/Briquette/Wood waste also has specially designed grate bars for pulverised & imported coal.

Optimum steam space with unique steam separator resulting in dry steam

The boilers require minimum foundation for quick installation and commissioning

High efficient vertical stainless steel pumps

Radiation Shield on Front & Rear for the first time designed to provide Air Insulation

Efficiency ranging from 82% (+-2%)

All boilers pass through strict quality control tests like stress relieving, radiography, and other NDT tests.



Multi Nozzle for Husk, Wood & Coal



Cluster Fire Bar



CI Fire Door

ABOUT US

Over a decade EZHIL ENERGIES PVT LTD is one of the reputed names in the field of Boilers and we are the leading manufacturer of boilers from the state of TAMILNADU. Our Management systems comprises of technically qualified people both at management levels and at the production level. Our Business mission is to provide maximum efficiency and sustainable solutions in energy through our products.

Based on decades of experience in the process industry we customize integrated solutions for project requirements for a wide range of industries such as Drugs, Pharma, Chemicals, Plywood, Rice Mills, Paper, Dairy, Food Processing and many more areas where process activity is undertaken

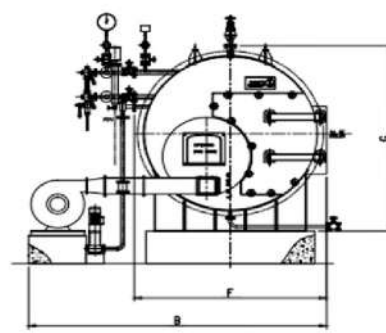
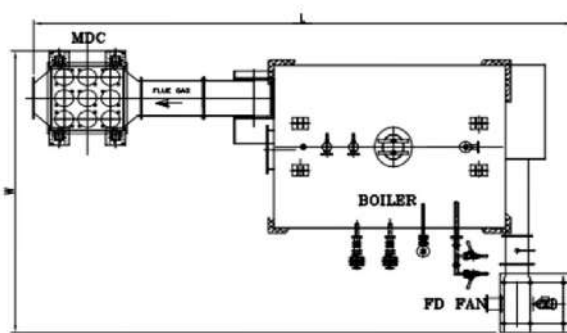
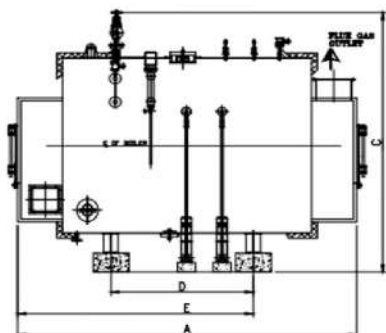
BIO MASS BOILERS

BIO MASS BOILER is specially designed for Solid Fuels like Wood log / Wood chips / Bio Mass Briquette, Coconut shells etc... Realizing the need of high performance, high efficiency boilers, Ezhil Energies, with it's experience of more than 3 decades in design, manufacturer and installation of Boilers, is offering optimally efficient Solid Fuel Fired Boiler that gives the flexibility of using multi fuels like Coal / Wood other larger sized fuels.

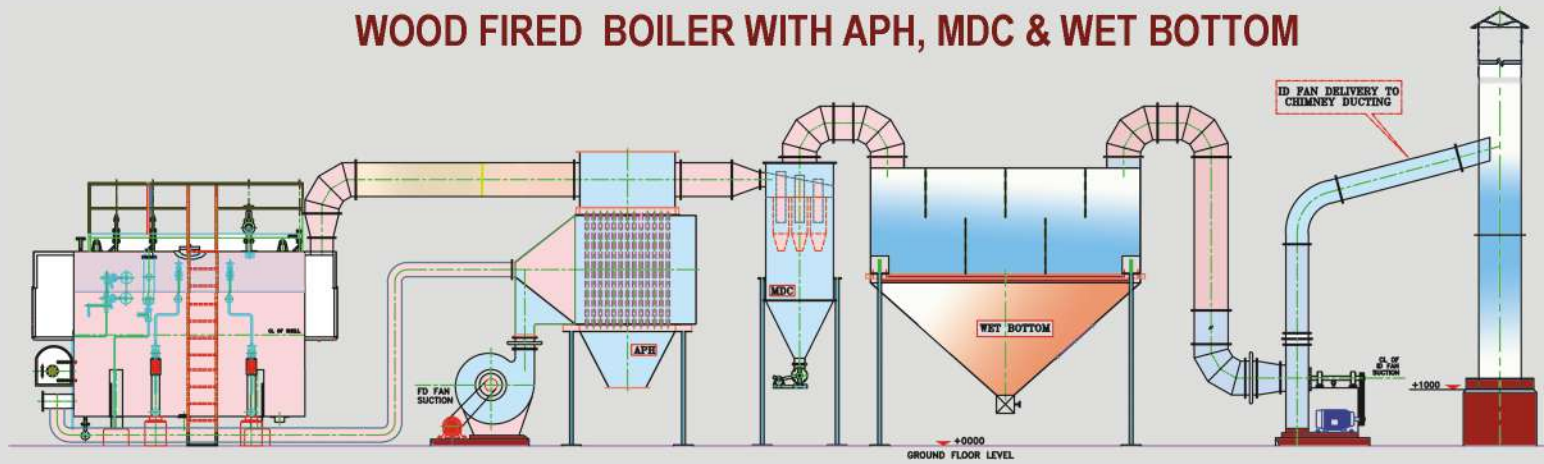
This system designed by EEPL combines the best technologies from the "old school" of Solid Fuel combustion and the latest advanced combustion control technologies. The stationary Grate Manual Fired (Travelling Grate on Request) Steam Boiler provides a very low turn-down ratio making it particularly suitable for heating applications in small Process Steam Requirements of Small & Medium Scale Industries.

The boiler vessel is a three-pass fire tube design incorporating a wet back turnaround for better heat transfer and higher optimal efficiency.

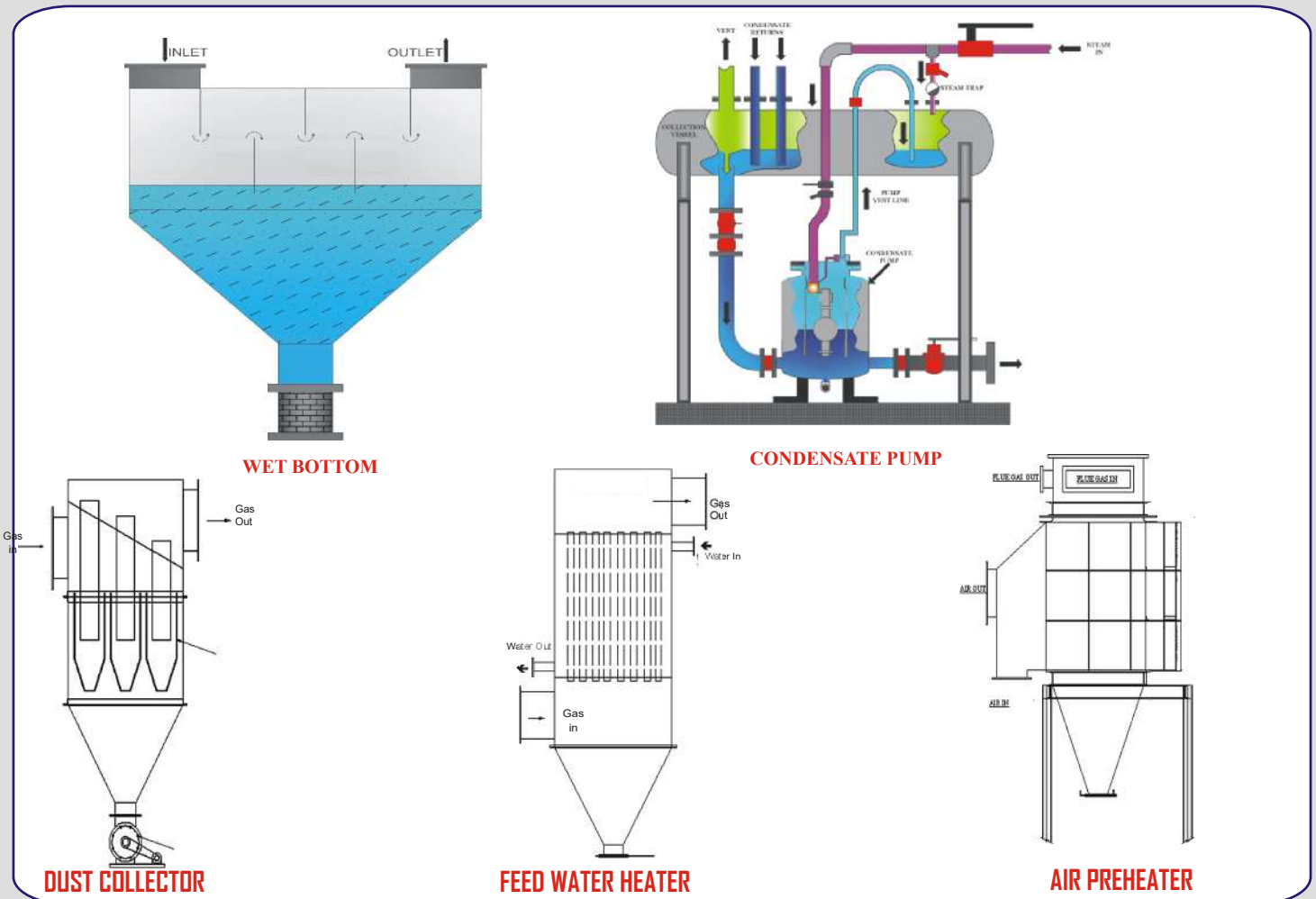
TECHNICAL SPECIFICATIONS OF SOLID FLAME								
Description	Unit	EZL-10	EZL-20	EZL-30	EZL-40	EZL-50	EZL-60	EZL-70
Capacity (F & A 100)	Kg/Hr	1000	2000	3000	4000	5000	6000	7000
Design Pressures Offered	Kg/Cm ²	10.54 / 17.5 / 21						
Efficiency	%	80 (As per BS 845 Part 1 NCV Basis)						
Fuel		Wood Log / Wood Waste / Briquette / Any other on request						
Fuel Firing Systems		Automatic (with manual independent Fuel Feeding System)						
Fuel Consumption @ 4500 NCV	Kg/Hr	185-195	336-375	560-570	735-745	920-930	1100-1120	1300-1400
Connected Electrical Load								
Standard Unit (Without PCE)	HP	7	14	21	31	40	55	65
with MDC / TCDC	HP	8	15	22	32	41	56	66
Unit Assembly (AxBxCxD)	M	4x3x2.7x1.8	4.6x3.97x3.2x2	4.8x4.3x3.6x2.1	4.8x4.5x4x2.1	5.8x5.2x4.6x3	5.8x5.5x5.3	5.8x5.5x5.3
Transport (ExFxG)	M	2.85x2.15x2.35	3.5x2.42x2.62	3.5x2.8x3	4x3x3.2	4.48x3.7x3.9	4.5x4x4	5x4x4
Layout (LxW)	M	6x3.5	6.8x4.5	7.1x4.5	7.2x4.5	8x4.2	8x4.5	8x5
Chimney Top Diameter	Mm	400	500	600	700	850	900	950
Dry Weight (10.54)	Ton	5.5	10.5	14	16	22	25	30
Flooded Weight (10.54)	Ton	7	18	24	28	30	35	38



WOOD FIRED BOILER WITH APH, MDC & WET BOTTOM



OPTIONAL AUXILIARIES



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