



# HYPAC

Water - Cum - Smoke Tube Boiler

- Multi Fuel Compatible
- Highly Efficient
- Environment Friendly Boiler

CHEEMA **BOILERS** LIMITED



**Cheema Boilers Limited (CBL)** has made a mark for itself in the last three decades by manufacturing premium range Boilers and allied products for clients across the globe and maximizing its reach worldwide.

The Company offers a diverse range of Boilers along with fuel compatibilities attuned to the modern day industrial needs .



## Why To Choose **CBL**..



- CBL track record of path-breaking engineering, efficient project management, commissioning expertise and state - of - the - art manufacturing facilities enable the company to deliver the products of supreme quality.
- CBL operates with a large sales and service network covering entire India as well as many overseas locations.

- CBL has commissioned over 2500 boilers across India and overseas.
- Equipped with world class machinery.



- Manufacturing facilities spread across 1,00,000 m<sup>2</sup>.
- We have on board a team of over 400 Engineers.



# WHAT MAKES OUR HYPAC SMART FROM OTHER BOILERS ?

## MULTIPLE FUEL COMPATIBILITY

### ECONOMIC ADVANTAGES

#### LOW FUEL CONSUMPTION

- Minimum heat loss due to membrane type water-wall design.
- In - bed coils and the leak proof furnace to reduce excess air.
- Swirling air injection for better post-combustion burning of fuel.
- Special designed PA nozzles for fluidization in underbed firing system.
- Specialised design air heater for better heat utilization.
- Highly-efficient combustion system with an optimum residence time of flue gases in the furnace.
- Variable frequency fuel feeder (VFD) for complete combustion of fuel.

#### REDUCES MAINTENANCE COST

- Structured and stream lined low speed fans.
- Minimum refractory work.
- Anti-abrasive filling in the cyclone.
- High quality electrical components.

#### REDUCES POWER CONSUMPTION

- Energy-efficient components of reputed brands.
- Optimum resistance of flue gas path.

### OPERATIONAL ADVANTAGES

- Boiler is designed to increase the operational efficiency for economies of scale and generating higher returns.
- Quick fuel switching with minimum adjustments / changes.
- Centralized control instrumentation and electrical control panel.
- Automatic water level control and safety systems.

### ENVIRONMENTAL ADVANTAGES

- Advanced Air Pollution Control System, makes it a highly environment friendly boiler.
- Most suitable for renewable fuels.
- Extremely useful furnace ensures complete combustion.
- Efficient heat recovery unit.



Coal



Rice Husk



Imported Coal

#### COMBINATION FUEL



Soya Husk



Wood Chips



Briquettes



Bagasse



Mustard Husk





## » SOME OF OUR INSTALLATIONS «



VIVACHEM INTERMEDIATES PVT.LTD  
RAIKOT (PUNJAB)  
8TPH, 10.54KG/CM<sup>2</sup>



ALCHEM INTERNATIONAL, BALLABGARH  
(HARYANA)  
6 TPH, 10.54KG/CM<sup>2</sup>



SHRI DAKSHINA MURTHY AGRO INDUSTRIES  
PVT. LTD., CHILAKAMARRI (TELANGANA)  
10TPH, 17.54KG/CM<sup>2</sup>



SOORYA RICE AND RICE FLOUR  
PROCESSING PVT.LTD.,(SRILANKA)  
12 TPH, 10.54KG/CM<sup>2</sup>



YAKBREWING COMPANY  
LIMITED, (NEPAL)  
5 TPH, 10.54KG/CM



## OTHER OFFERINGS

www.cheemaboilers.com

### CPP / IPP

- Powerpac Boilers
  - Atmospheric Fluidized Bed Combustion Boiler (AFBC)
  - Travelling Grate / Dumping Grate / Pulsating Grate / Reciprocating Grate / Water Cooled Vibrating Grate Boiler
- Waste Heat Recovery Boiler (WHRB)
- Slop / Vinasse Fired Boiler

### Process Industrial Boiler

- Energypac- Grate Fired
- Energypac Plus
- Effypac – Manual / Auto Fired
- Oilpac / Gaspac

### Thermic Fluid Heater

- AFBC / Grate / Oil & Gas

### Retrofit & Spares

- Spares for Boilers
- Structures
- Centrifugal Fans
- Boilers Services
  - Annual Service Contract
  - Engineering and Operation audit of Boilers
  - O&M Services
  - RLA / Health audit of Boiler
- Pollution Control Equipment's
  - Electrostatic Precipitators (ESP)
  - Bag Filter
  - Cyclones
  - Wet Scrubber



### Certifications and Accreditations

- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018
- ISO 3834-2:2005
- EN1090-1:2009 + A1: 2011
- EN1090-2:2018
- ASME 'U', 'S' & 'H' Certificates

CBL quality standards are inspected and certified by prestigious global agencies like:



## CHEEMA BOILERS LIMITED

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