

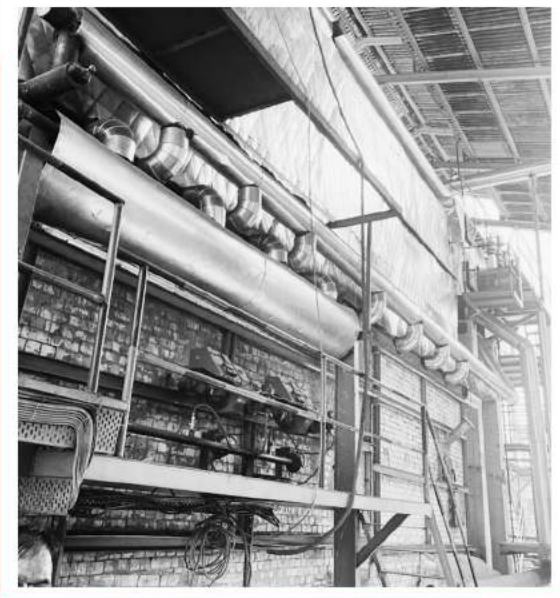
TRIVENI BOILERS

Energizing steam for the future



INNOVATION | ENERGY | SUSTAINABILITY

Our Company



Triveni Boiler has over 20 years of expertise in the manufacturing of high quality steam boilers, thermic fluid heaters, boiler accessories, and all kinds of air pollution control equipment. Our exceptional products cater to various industries in India and around the globe. With a steadfast dedication to innovation, reliability, sustainability, and customer satisfaction, Triveni Boiler is committed to delivering cutting-edge thermal solutions that drive sustainable progress in the engineering field.

Our boilers are designed with efficiency in mind, resulting in remarkably low operational costs. Our innovative designs optimize fuel consumption and minimize energy waste, and have lowest emissions thus allowing you to achieve substantial savings in the long run.



1000 +
Satisfied clients



8+
Countries



150 +
Dedicated & Focus team

Vision

Becoming the Epitome of Admiration through Unwavering Commitment to Quality, Customer Service , Innovation and cost optimization.

Values

Innovation, Reliability, Excellence, Collaboration, Social & Environmental Responsibility - Driving Success with Integrity and Sustainability.

Mission

Leveraging Cutting-Edge Technology, Operational Excellence, and Innovative Service Delivery to Empower Our Customers with Reliable Utilities. Environmental Sustainability Fuels Our Business, Guiding Our Every Thought and Action

Why Choose Triveni Boiler?



We provide unwavering commitment to quality while manufacturing and hence our boilers have low operational cost



Triveni Boiler has a strong commitment to innovation, continuously striving to develop advanced thermal solutions that cater to the evolving needs of diverse industries



Our products are designed to maximize energy efficiency, resulting in reduced fuel consumption and lower carbon footprints



Our dedicated team of professionals ensures prompt and efficient customer service, from initial consultation to after-sales support

Excellence in Manufacturing

At the heart of our operations lies a state-of-the-art infrastructure, spanning over 150,000 square feet. Our facility is equipped with modern, world-class machinery that ensures precision and perfection in every boiler we manufacture. We source all the materials from the globally recognized and trusted suppliers, guaranteeing the highest quality components for our boilers. Our commitment to R&D and superior materials along with cutting-edge technology enables us to deliver unparalleled performance and reliability in our products.



Our Products

SOLID FUEL PACKAGE BOILER

- Three pass Smoke Tube Boiler with high radiation heat transfer area
- Large combustion volume hence enhanced safety and high efficiency
- Large steam space to avoid wet steam and carryover
- Wet Back designed to achieve no heat wastage

Capacity: Upto 10 TPH

Pressure: Upto 17.5 Kg/cm² (g)

Fuel: Coal / Lignite / Wood / Agro Waste / Briquette / Sawdust



OIL / GAS FIRED BOILER



- High efficiency due to no losses
- Low emissions design compliant with stringent environmental regulations.
- Integrated with state-of-the-art control systems for precise operation and fuel optimization.
- Large Combustion volume and heating surface area

Capacity: Upto 25 TPH

Pressure: Upto 17.5 Kg/cm² (g)

Fuel: Natural Gas / Furnace Oil / LDO / HSD / SynGas

Our Products

WATER CUM SMOKE TUBE (COMBI) BOILER

- High Thermal efficiency due to **5 side waterwall** membrane
- Higher combustion Volume & Free Board zone for maximum heat utilisation
- Large Water Holding and Steam space to avoid priming and carryover
- Superheated steam option also available

Capacity: Upto 25 TPH

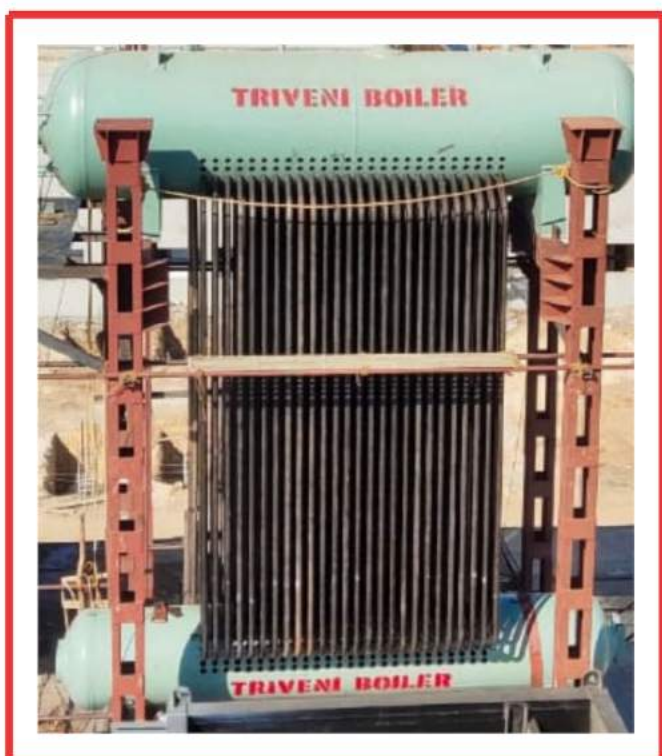
Pressure: Upto 45 Kg/cm² (g)

Fuel: Coal, PetCoke, Wood Chips, AgroWaste(Rice husk, Bagasse,etc)

Furnace: FBC, BBC, Fire Bar, Reciprocating grate, Pulsating grate, Dumping grate,etc



BI-DRUM AFBC/CFBC BOILER



- Superior natural circulation design with dual drums ensures optimal water flow and heat transfer, enhancing thermal efficiency and steam quality.
- Water-cooled membrane walls and high-grade alloy tubes ensure longevity and resistance to high-temperature corrosion and erosion.
- Designed to be used across various industries due to their ability to handle high pressures and large steam capacities efficiently.

Capacity: Upto 50 TPH

Pressure: Upto 75 Kg/cm² (g)

Fuel: Coal, PetCoke, Wood Chips, AgroWaste (any)

Furnace: FBC, BBC, Reciprocating grate, Pulsating grate, Dumping grate,etc

Our Products

SINGLE DRUM AFBC/CFBC BOILER

- Designed with optimised drum internals which ensures superior steam-water separation, resulting in high-quality, dry steam suitable for sensitive industrial processes.
- Quick response to load changes and rapid startup capabilities due to the optimal water volume, enhancing operational flexibility and efficiency.
- Equipped with modern automation and control systems for precise monitoring

Capacity: Upto 50 TPH

Pressure: Upto 75 Kg/cm² (g)

Fuels: Coal, PetCoke, AgroWaste(any)

Furnace: FBC, BBC, Reciprocating grate, Pulsating grate, Dumping grate,etc



SOLID FUEL THERMIC FLUID HEATER



- High-efficiency helical coil design and large heat exchange surface area ensure maximum heat transfer from the solid fuel to the thermic fluid, minimizing energy losses.
- Three pass , Four pass & Five pass models available
- Closed-loop design with high-quality pumps and insulation minimizes heat loss, maintains fluid integrity, and extends the lifespan of the thermic fluid.

Capacity: Upto 50,00,000 Kcal/hr

Fuel: Coal / Wood / Agro-Waste (any)

Our Products

OIL/GAS THERMIC FLUID HEATER

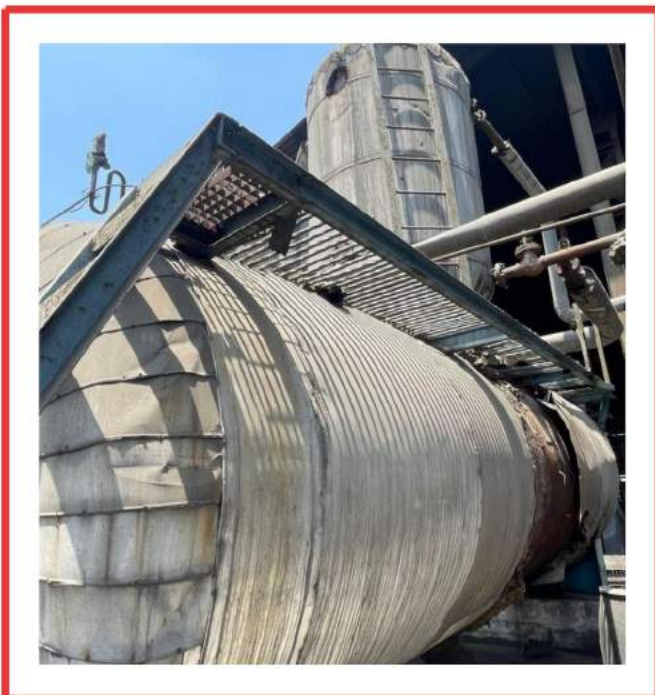
- Utilizes a multi-pass design and high-efficiency burner to achieve optimal heat transfer, ensuring maximum energy utilization and reduced fuel consumption.
- Features low NOx burners with precise air-fuel ratio control and modulation capabilities, providing clean combustion and minimizing emissions.
- Three pass , Four pass & Five pass models available

Capacity: Upto 50,00,000 Kcal/hr

Fuel: HSD / Furnace Oil / Natural Gas / SynGas / PNG / LDO



PRESSURE VESSEL



- Utilizes precision engineering and sophisticated design techniques to ensure structural integrity and optimal performance under constant varying operational conditions.
- Available in various sizes, orientations, and configurations to meet specific operational requirements

- **Deaerator Tank**
- **Steam Accumulator**
- **Blowdown tank**
- **Steam Drum**
- **Blowdown tank & Autoclave**

Waste To Energy

Plastic fired boiler

Through our intensive focus on research and development, we are proud to be **India's first company** to successfully manufacture and install plastic-fired boilers. Harnessing the energy potential of plastic waste, we generate an astounding 1000+ tonnes of steam per day. This breakthrough not only drastically reduces steam costs but also significantly lowers your carbon footprint, showcasing our commitment to sustainable and cost-effective energy solutions



Capacity

Upto 50 TPH

Pressure

Upto 45 kg/cm²

Fuels

Non Recyclable, Agro
PlasticWaste, MSW,RDF

- The length of the grate is large to ensure thorough combustion of the fuel
- Employing a spacious furnace design with an ideal residence time for flue gases, facilitating efficient fuel combustion and large free board zone
- Perfect design for combustion & circulation having clear smoke emission
- Mostly suitable for fuels having Moisture content less than 35%

Air Pollution Control Equipments

At Triveni boiler, sustainability and a vision for a cleaner and healthier environment lie in our core values . Our range of pollution control equipment is designed to effectively capture and remove pollutants from Boiler houses and Power plants depending on your requirements. We strive to make our pollution control equipment user-friendly and low on operating maintenance ensuring a seamless experience for our clients. Our equipment is specifically engineered to minimize dusting, ensuring a cleaner and safer working environment. By efficiently capturing and containing airborne particles, we help you maintain compliance with regulations and promote the well-being of your workforce.

ESP



Bag filter



Wet scrubber



Multi dust collector

Our Projects



30 TPH, Iscon Balaji,
Himmatnagar



8 TPH, PT Sumatra
resources, Indonesia



22 TPH, Tirthak Paper
Mill, Morbi



4 TPH, Surface
wilmar, Zimbabwe



10 TPH, Farmson,
Jhagadia



5 TPH, GGC,
Vadodara

We help our clients reduce their carbon footprints

Our Clientele



TRIVENI BOILERS

An ISO 9001 : 2015 Certified Company

“Your Most Reliable Business Partner to Produce Steam Economically, Efficiently, and Effectively”

Our Director

Mr HPS Chauhan

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TRIVENI BOILER PVT. LTD.

MFG. of : Steam Boilers, Pressure Parts, Boiler Auxiliary and Pollution Control Equipment

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