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# **Steamtech Industries Pvt. Ltd.**

A Legacy of Innovation & Reliability

**BOILERS || HEATERS || POWER PROJECTS**

**SINCE 1970**

[www.steamtechindia.com](http://www.steamtechindia.com)

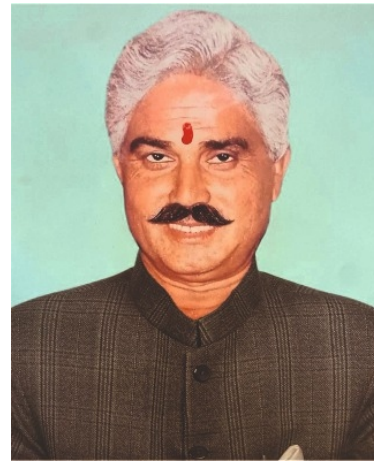
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## Why Choose Us?

Founded over 50 years ago by Sh. Roshan Lal Sharma, Steamtech Industries evolved from a boiler repair unit to a leading manufacturer of boilers, pressure parts and accessories, producing over 6,000 units. The company leverages advanced equipment, automated processes, and cutting-edge technologies. Steamtech integrates modern technology with technical expertise to deliver innovative steam boilers and thermal systems. Its R&D focuses on energy efficiency and reliable operations, offering customized solutions for diverse industry needs.



**Sh. Roshan Lal Sharma**  
Founder

### OUR VALUE:

We adhere to the following core values to guide our operations and foster trust in every transaction:

- **Professionalism:** Ensuring the highest standards of conduct and expertise in our work.
- **Accountability:** Taking responsibility for our actions and outcomes with transparency.
- **Integrity:** Upholding ethical practices and honesty in all our business dealings.
- **Dedication:** Committing to delivering excellence and reliability in every endeavour.
- **24/7 Customer Service:** Providing round-the-clock support to address client needs promptly and efficiently.

**500+**  
Happy Customers

**6000+**  
Manufactured Boilers  
& Parts

**2000+**  
Modification & Erections

**40+**  
Innovative  
Solutions

# POWERPAC SERIES



## Single Drum and Bi-Drum Boilers

### Capacity:

6TPH – 50TPH

### Working Pressure:

up to 87 Kg/cm<sup>2</sup>



- The drum design efficiently prevents internal fouling of the superheater.
- Reduced flue gas velocities minimize erosion, extending the lifespan of heating surfaces.
- High-quality welding ensures structural reliability.
- Multifuel firing offers operational versatility.
- The compact, economical, and environmentally sustainable design supports efficiency.
- A temperature range of up to 510°C is ideal for power generation applications.
- Customizable models cater to specific requirements.
- Single-pass in-line boiler bank tube arrangements reduce erosion and maintain low flue gas velocity.
- A submerged ash handling unit improves operational functionality.

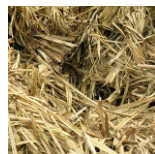
### Fuel Option:



Coal



Briquets



Bagasse



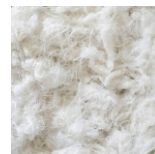
Palm Shell



Groundnut Shell



Coconut Shell



Cotton Waste



Biomass Fuel

# AGROMAX SERIES



## Specially Designed Bagasse and Praali Boilers

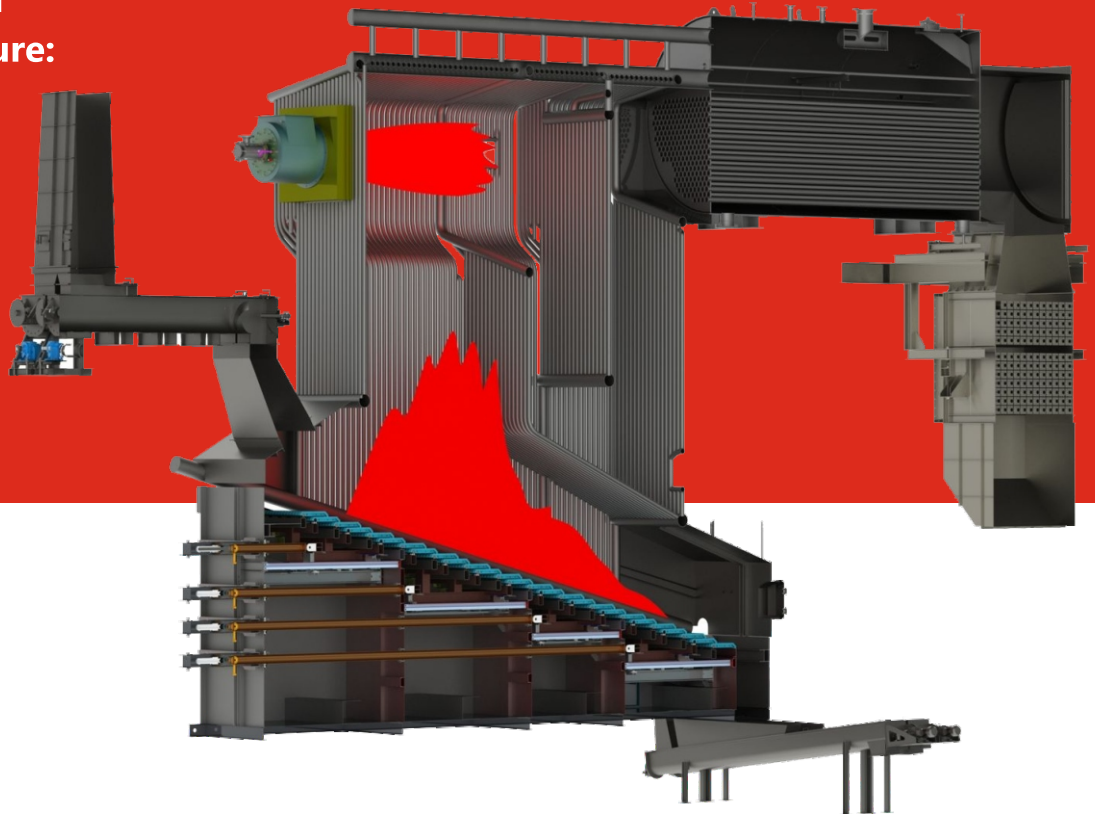
### Capacity:

6 TPH to 30 TPH

### Working Pressure:

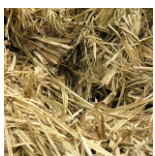
10.54 Kg/cm<sup>2</sup> –

35 Kg/cm<sup>2</sup>



- Ability to operate with multiple fuel types, providing increased adaptability and allowing for economical energy production based on seasonal fuel availability.
- Five-pass boiler engineered specifically to handle challenging biomass combustion and operational requirements.
- Space-saving, cost-efficient, and environmentally conscious design.
- Superior welding craftsmanship ensures lasting strength and dependable performance.
- Suitable for a wide range of applications, particularly medium-to-large-capacity saturated steam systems.
- Incorporates advanced automation features, including sophisticated energy monitoring, DCS/PLC, and SCADA technologies, to optimize operational effectiveness.

### Fuel Option:



Bagasse



RDF



Paddy Straw



Biomass Fuel



Palm Shell



Coconut Shell

# MULTIMAX SERIES



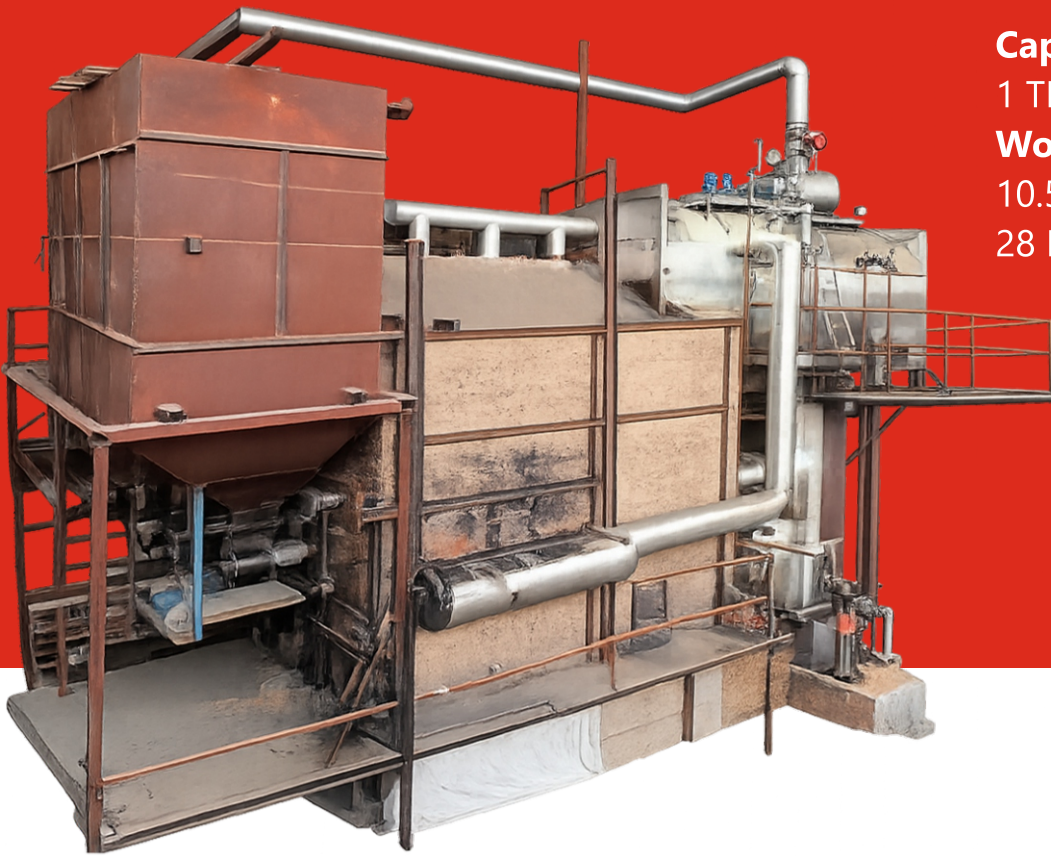
## Capacity:

1 TPH to 20 TPH

## Working Pressure:

10.54 Kg/cm<sup>2</sup> –

28 Kg/cm<sup>2</sup>



- **Hybrid Design:** Integrates the advantages of both smoke tube and water tube systems, resulting in a robust and efficient boiler solution.
- **Membrane-Type Water Wall:** Enhances heat transfer within the radiation zone and reduces flue gas entry temperature into the shell, thereby improving overall system performance.
- **Versatile Combustion Options:** Offers multiple combustor configurations—including Travelling Grate, Reciprocating Grate, Pulsating Grate, Dumping Grate, Bubbling Bed, and Fluidized Bed—providing flexibility for various fuel types.
- **High Efficiency:** Delivers a notable operational efficiency of up to 84 + 2%, ensuring optimal energy utilization.
- **Furnace Partitioning:** Features partitioned design to support diverse fuel feeding arrangements and increase adaptability.
- **Fuel Flexibility:** Accommodates the combustion of a wide range of fuels.
- **Advanced Ash Management:** Incorporates a submerged ash handling unit to facilitate efficient ash disposal and enhance operational reliability.

## Fuel Option:



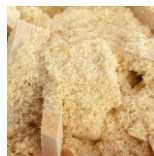
Coal



Wood



Briquets



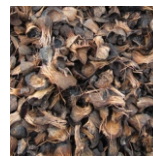
Sawdust



Biomass Pellet



Rice Husk



Palm Shell



Coconut Shell

# COMPAC SERIES



**Capacity:**  
1,000 KG/HR to 8,000 KG/HR

**Working Pressure:**  
10.54 Kg/cm<sup>2</sup> – 28 Kg/cm<sup>2</sup>

- Pre-insulated and factory-assembled design ensures efficient thermal management and structural integrity.
- Substantial reduction in civil and site work, optimizing installation processes.
- Multi-pass combination of fire tube and water tube features high combustion volume for superior performance.
- Compact, skid-mounted, and modular construction facilitates ease of transport and installation.
- Quick startup capabilities and enhanced responsiveness to load fluctuations guarantee operational reliability.
- Designed for compatibility with a wide range of solid fuels, including bubbling bed and reciprocating bed configurations.

**Fuel Option:**



Wood



Coal



Briquets



Sawdust



Wood Chips



Biomass Pellet



Wood Logs



Rice Husk



# WOODPAC SERIES



## Capacity:

300 KG/Hr to 8,000 KG/HR

## Working Pressure:

10.54 Kg/cm<sup>2</sup> – 28 Kg/cm<sup>2</sup>



- Three-pass fully wet-back design for optimal heat utilization
- Inbuilt moisture separator ensuring 98% dry steam
- Bubbling bed combustion for enhanced fuel efficiency
- Automated fuel feeding and handling system, as per customer requirement.
- Equipped with Air Preheater (APH) and Water Preheater (WPH) for efficiency improvement
- Cyclone dust collector for effective dust capture
- Efficiency up to 80% ± 2%
- Stable pressure for part-load operation with reduced electrical consumption
- High grate area for better performance
- Skid-mounted design requiring no special foundation, saving space and costs
- No external furnace or brickwork required, reducing costs and construction time
- Internal furnace design minimizing heat losses and ensuring faster paybacks
- Compact structure with high efficiency and low operational costs
- Rigid design offering low maintenance and extended lifespan

## Fuel Option:



Coal



Wood



Briquets



Wood Chips



Wood Logs



Biomass Pellet

# STEAM

# OILPAC & GASPAC SERIES

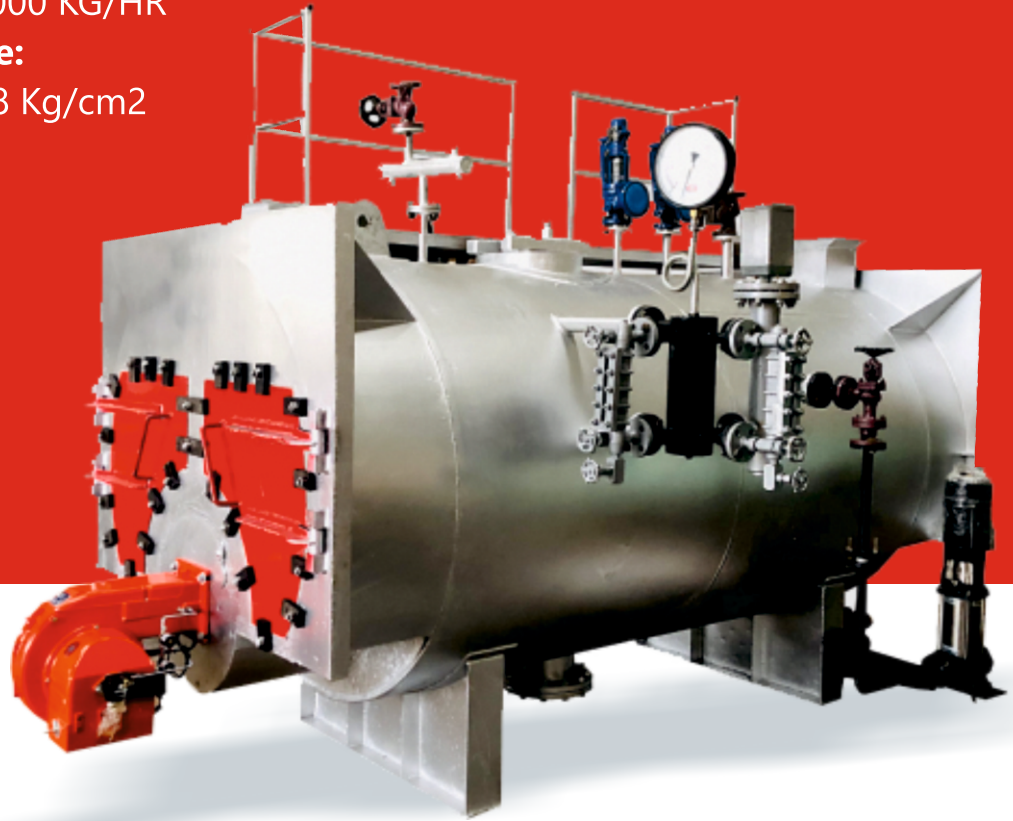


## Capacity:

300 KG/HR to 20,000 KG/HR

## Working Pressure:

10.54 Kg/cm<sup>2</sup> – 28 Kg/cm<sup>2</sup>



- Three-pass smoke tube boiler with fully wet back design.
- Capability to operate with multiple fuel options.
- High operational efficiency ranging from approximately 88% to 95%.
- Produces steam with a high dryness fraction to enhance usable heat output.
- Equipped with mono-block, dual block, or steam atomized burners.
- Additional feature of oil pre-heater complying with EN safety standards.
- Incorporates corrugated furnace design for boilers exceeding 6 TPH capacity.
- Optional PLC-based control panels compatible with SCADA or DCS systems.

## Fuel Option:

### Oil



LDO



HSD



FO



LSHS



IDO

### Gas



NG



LPG



BIOGAS

# AGROPAC SERIES



## Capacity:

1,000 KG/HR TO 6,000 KG/HR

## Working Pressure:

10.54 Kg/cm<sup>2</sup> – 21.00 Kg/cm<sup>2</sup>



- Top fuel feeding mechanism includes an independent fuel feeding fan to prevent fuel carryover, unburnt losses, and bulging of the reversal chamber.
- Bubbling bed nozzle design analysed through CFD ensures proper cooling, extended nozzle life, and provides higher residence time for complete combustion.
- A cyclone dust collector is utilized for effective dust collection.
- Overall efficiency reaches up to 76% ± 2%.

## Fuel Option:



Coffee Husk



Rice Husk

# THERMIC FLUID HEATER



## Capacity:

2 lac kcal/hr to 5 million kcal/hr

## Working Pressure:

Up to 350°C



Thermic fluid heaters are engineered to deliver high thermal efficiency of 85% or above, helping reduce fuel consumption and operating costs. Built with premium-grade materials, they ensure durability and reliable performance even under demanding industrial conditions. The multi-pass design enhances heat transfer efficiency while maintaining uniform temperature distribution. These systems operate safely at high temperatures, often up to 350°C, and feature a compact footprint suitable for space-constrained installations. Advanced PLC and SCADA-based control systems provide precise temperature regulation and real-time monitoring. Designed for ease of maintenance, the heaters support flexible fuel options and include safety mechanisms and thermal expansion provisions for secure, long-term operation.

## Fuel Option:



Coal



Wood



Briquets



Sawdust



Biomass Pellet



Rice Husk



Palm Shell



Coconut Shell

# WOODPAC MINI



## SERIES (VERTICAL)

### Capacity:

50 KG/Hr to 1500 KG/HR

### Working Pressure:

10.54 Kg/cm<sup>2</sup>



- Initial costs are minimized due to fewer components.
- Maintenance costs are significantly lower.
- Operational functionality is straightforward and user-friendly.
- Installation and replacement processes are simple and efficient.
- Requires limited ground space for installation.
- Boilers of this type exhibit tolerance to varying water levels

### Fuel Option:



Coal



Briquets



Wood



Saw Dust



Biomass



Wood Chips



Wood Logs



Briquets

# SERVICE OFFERED



**Steam System Solution**



**Energy Audits**



**Boiler Automation**



**Boiler Conversion & Modification**



**Turnkey Projects**

# INDUSTRIES SERVED



Cement



Chemical



Distilleries



Edible Oil



FMCG



Hotels



Laundries



Milk Dairy



Paint



Paper & Packaging



Plywood



Power Generation



Refineries & Petro Chemicals



Rice Mills



Rubber



Sugar & Jaggery



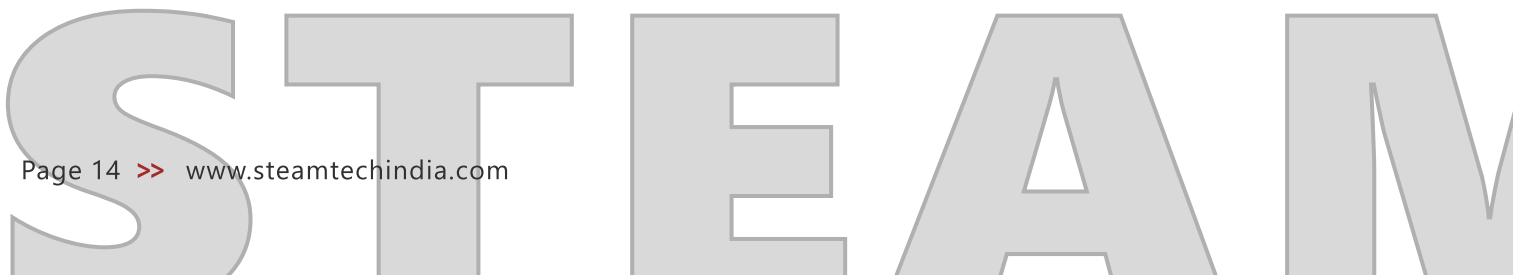
Tea



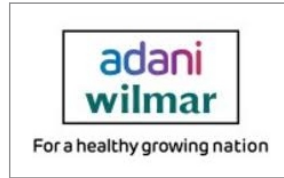
Textile



Thermocol



# ESTEEMED CUSTOMER



and many more...

# TRUSTED STEAM SOLUTIONS FOR EVERY INDUSTRY



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