

THERMEON

A Compact, Reliable & Safe Source of Steam



Capacity Range
0.3 TPH to 1.5 TPH

Standard Design Pressure
7 & 10.54 kg/cm² g

Heating Business

Improving your business is our business

Thermax is an engineering major providing sustainable solutions in the areas of energy and environment. Spanning over 86 countries, clients make use of Thermax's business-to-business solutions for heating, cooling, power and cogeneration plants; waste heat recovery units; systems for water & wastewater management and air pollution control; performance improving chemicals.

Thermax's operations are supported by ongoing Research & Development, tie-ups with global technology majors, an international sales & service network spread over 27 countries and state-of-the-art manufacturing facilities in 14 locations including India, Indonesia, China, Poland, Denmark and Germany.

As a part of Thermax, Heating business - a strategic business unit offers packaged boilers, thermal oil heaters, waste heat recovery boilers, hot water and air generators. These are available in modular construction as a standard package configuration or a custom design for specific requirements. Innovated by a strong R&D that focuses on customer applications, we offer a range of heating systems designed to combust wide range of solid, oil & gas fuels including biomass and heavy liquid fuels. Heating SBU helps small and medium firms & fortune 500 companies to reduce energy cost with a worldwide presence of oil & gas based systems in Middle East and Europe, biomass and solid fuel fired equipment in South East Asia and Africa.

THERMEON – The low cost, reliable source of steam for small heating requirements

- Sourcing a high reliability, high performance, small capacity (up to 1.5 tph) multi-fuel fired steam boiler at an affordable cost for their process heating use has long been a dream for most micro, small and medium enterprises
- Current choices available in the market are either low cost boilers that compromise on performance, safety and reliability, or reliable, safe and high performance boilers that require much higher investments
- It is to address this long felt customer need, that Thermax presents THERMEON – the multi-fuel fired steam boiler

Easy to Operate

- Large access doors for fuel charging and ash removal designed to reduce operator fatigue
- Compact design results in very small footprint and saves on installation space
- Low height of boiler allows easy access to all parts and controls

Affordable

- Suitable for coal, wood, biomass briquettes
- Ideal replacement for oil fired boiler – saves on fuel and power costs
- Boiler supplied as package along with assembled components, pre-insulated with a good aesthetics
- Minimal site work for installation
- Backed by large network of sales & Service offices around the world



Wood logs



Coal



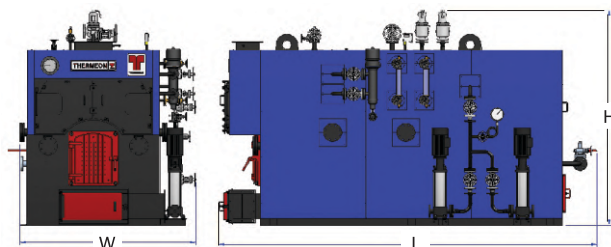
Biomass briquettes



Cashewnut shell



Biomass pellets



Technical Specifications

Model	Max. Steam Output -F&A 100 deg C	L	W With WPH	H	Dry Weight (kg)
TEON 300	300	2.4m	1.7m	2.2m	3000
TEON 500	500	2.4m	1.8m	2.3m	3850



Reliability

- Superior components checked against stringent quality norms as per ISO 9001 certification
- Robust triplex grate bar in combustor for high reliability
- High usable heat to process – 97% steam dryness
- Manufactured with state-of-the-art quality standards to ensure long lasting operation

Safety

- Steam generation and feed water with automatic controls thus reducing dependence on manual operation
- Balance draft system with forced draft and induced draft fan ensures no back firing and complete combustion
- Designed as per Indian Boiler Regulations
- Stringent standards adopted for quality check and testing, as per Indian Boiler Regulations

Applications

- Steaming process in cashew nut mfg.
- Milk dairy, Milk pasteurization, Sweet meats
- Mango pulp, Fruit juice & beverage mfg.
- Noodles and pasta mfg, fish processing
- Syrup heating in confectionery-candy mfg
- Hotels, Hospitals and Institutions
- Textiles, garments & laundries
- Chemicals & pharmaceuticals



Technical Specifications

Model	Max. Steam Output -F&A 100 deg C	L	W W/o WPH	H	Dry Weight (kg)
TEON 750	750	2.9m	2.2m	2.7m	6620
TEON 1000	1000	4.5m	2.7m	2.4m	8500
TEON 1500	1500	4.8m	2.9m	2.5m	10000



Note : Teon 300 & 500 with 7bar safety valve lift off pressure are certified as per SIBR guidelines. For detailed technical specifications, please refer Thermax offer document.



THERMAX

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Thermax Business Portfolio

- Heating
- Cooling
- Power
- Air Pollution Control
- Chemicals
- Water and Wastewater Solutions
- Solar
- Specialised Services