

**THERMEON, a multi solid fuel fired steam boiler-Ideal for a multitude of industry applications**

**Food Processing**

- Steaming process in cashew nut manufacturing
- In jaggery preparation for sugar juice concentration
- Milk pasteurization
- Steam heating for sweet preparation using milk products
- Mango pulp processing
- Steam heating process in noodles and pasta manufacturing
- Steam for syrup heating in confectionery / candy manufacturing
- Fruit juice beverage manufacturing
- Instant quick food – fish processing
- Masala / spice manufacturing



**Textiles**

- Yarn sizing
- Garment washing and drying



**Hotels, Hospitals and Institutions**

- Steam for power laundry, kitchen, hot water



**Packaging**

- Heating in corrugated box manufacturing



**Leather curing**



**Chemicals**

- Steam heating in jacketed vessel
- Drying



**Pharmaceuticals**

- Formulation, ayurvedic drug manufacturing



**Coir and Mattresses**



# THERMEON

A Compact, Reliable & Safe Source of Steam



**Capacity Range**  
0.3 TPH to 1.5 TPH

**Standard Design Pressure**  
7 & 10.54 kg/cm<sup>2</sup> g

**Heating Business**



Sustainable Solutions in  
Energy & Environment

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**Thermax Business Portfolio**

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



## 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, China, Poland Indonesia, Denmark and Germany.

As a part of Thermax heating business, Process Heating solutions, a strategic business unit offers packaged boilers, thermal oil heaters, heat recovery boilers and hot water generators. Innovated by a strong R&D that focuses on customer applications, we offer a range of heating systems designed to burn fuels including biomass and heavy liquid fuels. We have installations in various parts of the world. Oil & gas based systems in Middle East and Europe, biomass and solid fuel fired equipment in South East Asia and Africa. Heating business specializes in bringing life to the most innovative product ranges catering the majority of industries across the Globe.

### THERMEON –

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

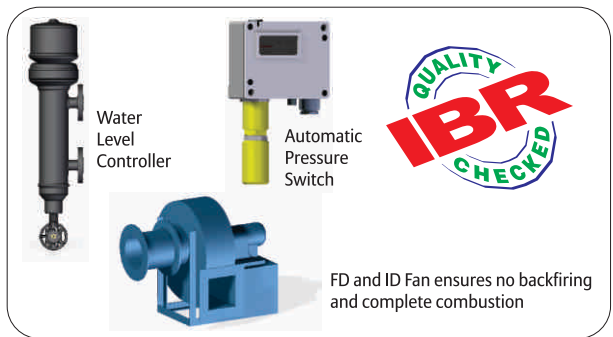
- Sourcing a high reliability, high performance, small capacity (up to 1.5 tph) multi-fuel fired steam boiler at an affordable cost for their process heating use has long been a dream for most micro, small and medium enterprises
- Current choices available in the market are either low cost boilers that 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



#### The Best Of Safety, Reliability, Operational Ease - All At An Affordable Cost

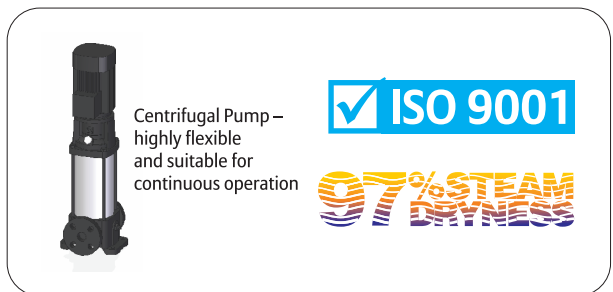
##### Safety

- 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



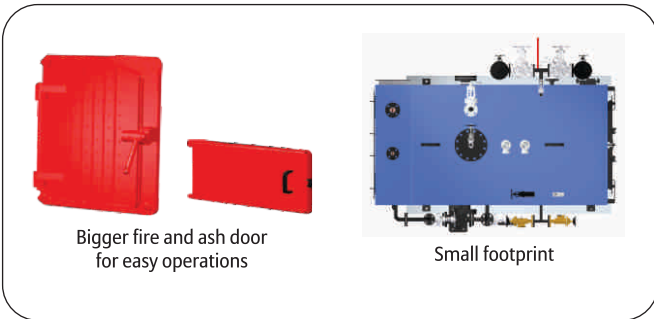
##### Reliability

- Superior components checked against stringent quality norms as per ISO 9001 certification e.g. feed water pump with SS internals
- 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



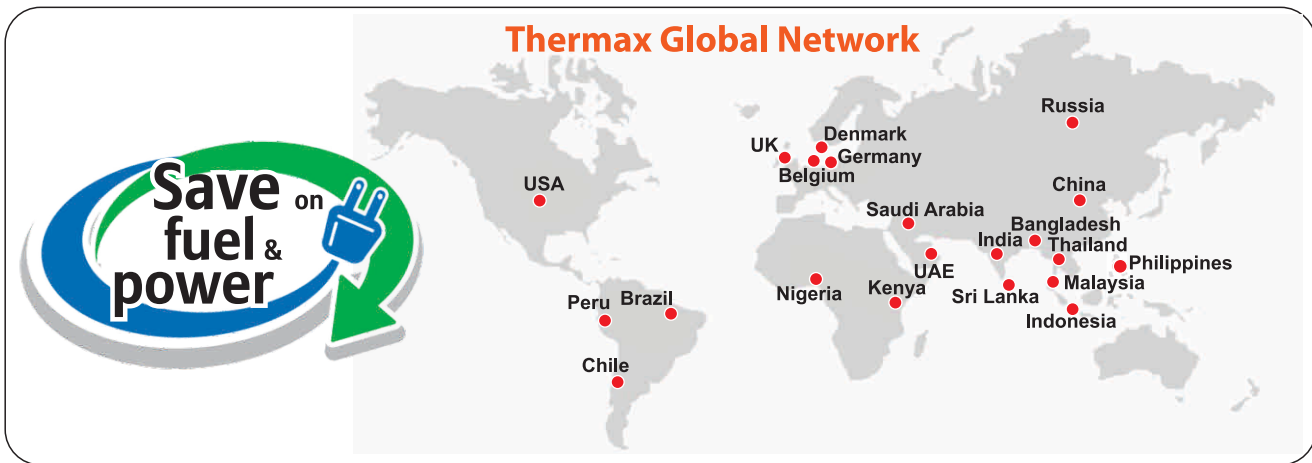
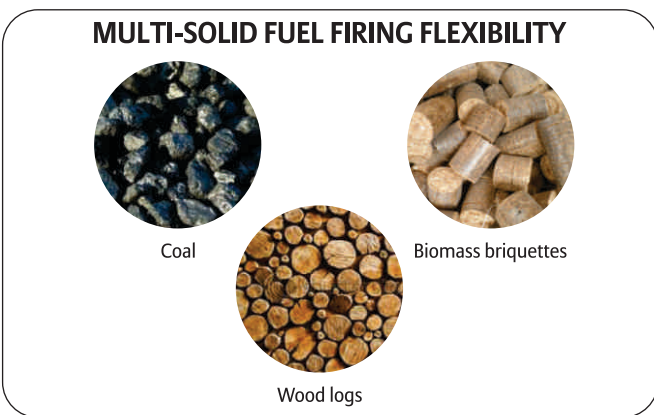
### Easy to Operate

- Large access ports 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

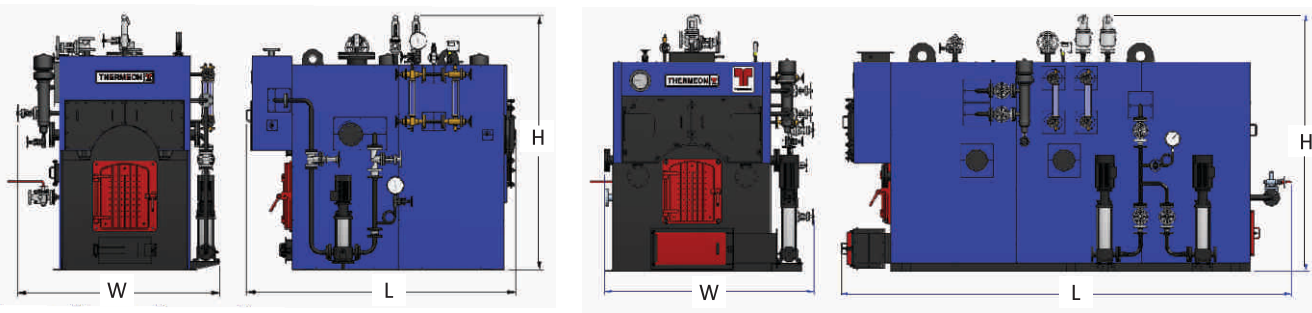


### Affordable

- 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, and with a good sense of aesthetics
- Minimal site work for installation
- Thermax operations are backed by large network of subsidiaries, sales & Service offices around the world



### General Arrangement



#### Technical Specifications

Model	Max. Steam Output -F&A 100 deg C	L	W	H	Dry Weight (kg)
TEON 300	300	2.2m	1.5m	2.0m	2500
TEON 500	500	2.3m	1.6m	2.2m	3000
TEON 750	750	2.9m	2.2m	2.7m	5500

#### Technical Specifications

Model	Max. Steam Output -F&A 100 deg C	L	W	H	Dry Weight (kg)
TEON 1000	1000	4.2m	1.9m	2.4m	8500
TEON 1500	1500	4.6m	2.2m	2.5m	10000

Note: For detailed technical specifications, please refer to Thermax offer document