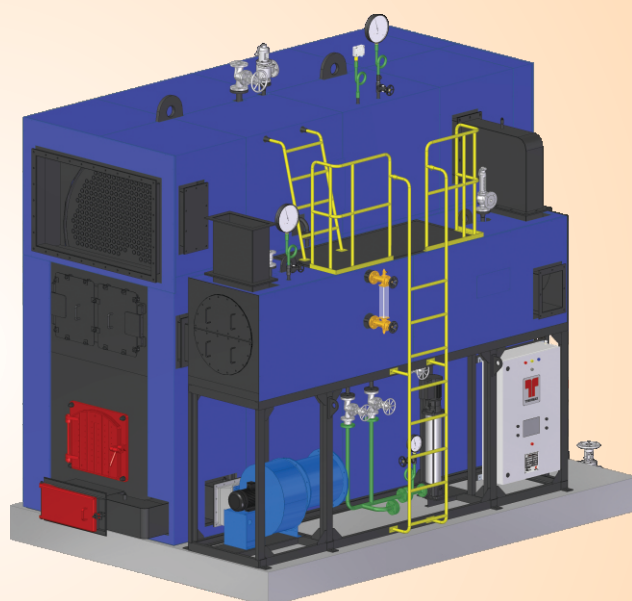
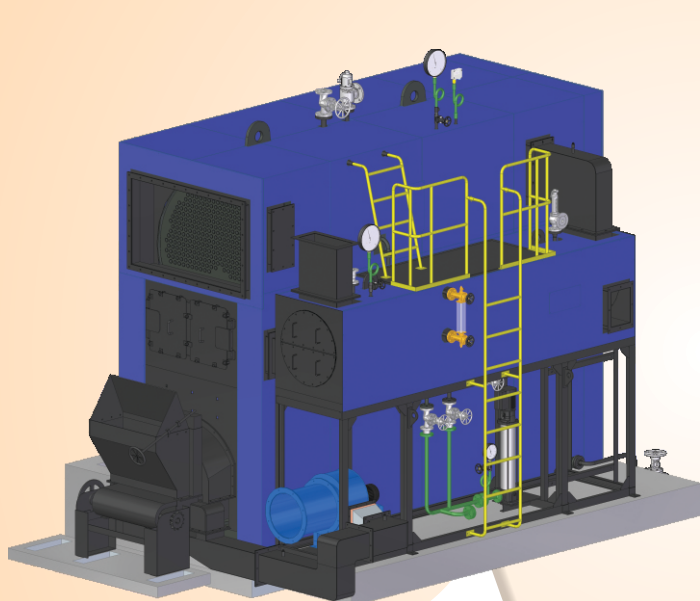


AquaeroTherM XT

A Revolutionary Heating Solution For Tea Drying



Fuel to Made Tea Ratio
Savings up to 25%*

*Depends on fuel type, moisture in fuel and tea

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.

High Performance Features

● High Quality of Tea Drying -

AquaeroTherM provides clean, smoke-free, hot air at constant temperatures to the tea dryer. This eliminates the possibility of smoke taints in tea, fluctuations in process hot air temperature to tea dryer, and over and under firing of tea - which normally result from the use of direct flue gas to air heater.

● High System Efficiency -

AquaeroTherM offers the highest thermal efficiency (82%), when compared to direct flue gas to air heater. It has an inbuilt Secondary air heater, which heats process air through flue gas heat via an intermediate medium - water.

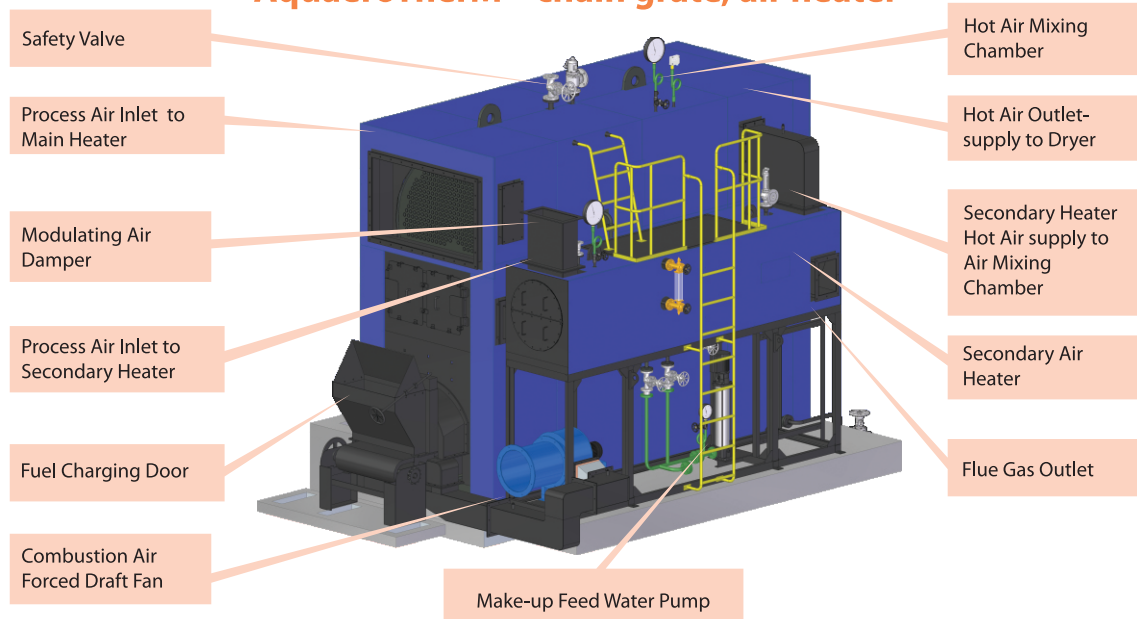
● **Controls and Safeties** - Adequately equipped with safeties, interlocks & controls for easy, safe operations and can handle abnormal operating conditions. Water level controller protects from no-water condition inside the heater. High steam pressure switch maintains steady process air temperature & prevent excess pressure build up in the heater. Control on high outlet process air temperature ensures steady temperature & cuts off fuel firing when not required. High flue gas temperature cut-off ensures safety.

● **Power Savings** - Balance draft system for combustion air control is better method compared to induced draft system. This reduces excess air requirements, leading to power savings.

● Steady Hot Air Temperature to Tea Dryer

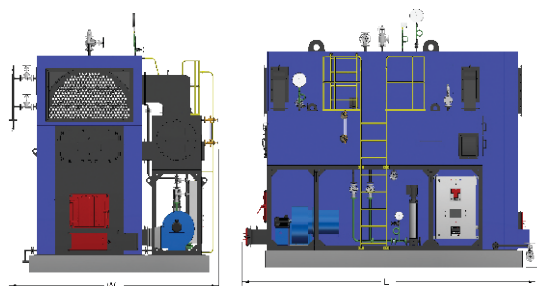
- Steady steam pressure, large water hold up, automatic process air damper control mechanism, and combustion control in AquaeroTherM ensures steady process hot air temperature to tea dryers. Such features may not be available in direct flue gas to air heater. AquaeroTherM with chain grate features an automatic fuel feeding and control mechanism, to ensure only required fuel is fired as per heat load at consistent thermal efficiency & prevents fuel wastage due to excess firing (manual fired heaters), resulting in fuel savings & reduced manual operations.

AquaeroTherM – chain grate, air heater



Technical specifications

Description	Unit	ATM - XT M	ATM - XT L	ATM - XT XL
Heat Output	L Kcal/hr	Up to 7	Up to 10	Up to 13
Outlet Temp.	°C	Up to 140	Up to 140	Up to 140
Fuel suitable	Coal/ Wood/ Biomass briquettes			
Length (L)	mtr	5.0 / 5.8	5.2 / 5.9	5.5 / 6.1
Width (W)	mtr	3.7 / 3.8	4.2 / 4.3	4.5
Height (H)	mtr	4.3	4.6	4.8



Note: For detailed technical specifications, please refer to Thermax offer document; AquaeroTherM with higher capacity/ higher temperature available on request. Product Specifications and appearance may get updated as part of our continued product improvement initiative. ATM 400H (SHELL TYPE) WITH 4 Lkcal AND ATM XT 1500 (HYBRID TYPE) UPTO 15 Lkcal OUTPUT ARE AVAILABLE ON REQUEST. CONTACT HEAD OFFICE FOR DETAILS.



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Thermax Business Portfolio

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- Chemicals
- Water and Wastewater Solutions
- Solar
- Specialised Services