

AQUAMATIC™

Compact & Instant Hot Water Generator



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.

Unique Design Features

- Pre insulated, plug and play unit.
- Compact pre-wired unit, with control panel and pump mounted on it.
- Calorifier (Optional) instead of direct mixing tank ensures instant start up and dispenses with the requirement for softener on primary circuit.
- Easy to operate and maintain.
- Quick response to sudden surge in hot water requirement.

Applications



Hotel



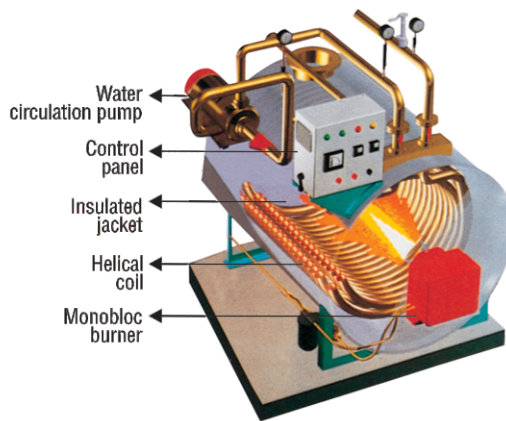
Hospitality



Automobile



Food Processing



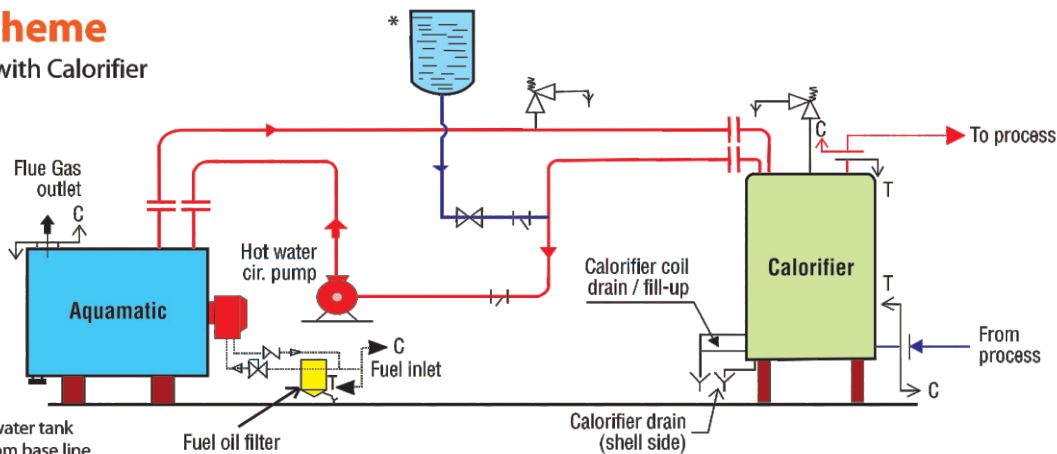
Technical Specifications

Description	Unit	AMW 005	AMW 01	AMW 02	AMW 03	AMW 04	AMW 06
Capacity	kcal / hr	50000	100000	200000	300000	400000	600000
Maximum Outlet Temperature	°C	90					
Water Flow Rate	m ³ / hr	4	9	12	18	20	30
Temperature Difference (Δt)	°C	13	11	17	17	20	20
Efficiency		As Per BS 845 Part 1 NCV Basis					
Diesel (HSD)	%	93					
Gas (NG / LPG)	%	92.5					
Fuel		HSD / LPG / NG					
Fuel Firing System		Pressure Jet, Mono-Bloc					
Fuel Consumption							
HSD	kg / hr	5.12	10.24	20.48	30.72	40.96	61.44
NG	Nm ³ / hr	6.36	12.72	25.44	38.16	50.87	76.31
LPG	Nm ³ / hr	2.17	4.33	8.67	13.00	17.34	26.01
Connected Electrical Load							
HSD / NG / LPG	kW	1.53	2.33	3.08	4.95	5.15	7.30
Dimensions & Weight		Without Calorifier					
L x W x H	m	1.07x0.95x0.91	1.33x1.25x1.92	1.5x1.2x1.87	2.24x1.38x2.23	2.24x1.38x2.23	2.81x1.55x2.51
Dry Weight	kg	500	875	899	1500	1500	2270
Dimensions & Weight		With Calorifier					
L x W x H	m	1.2x2.08x1.7	1.34x2.12x1.9	1.55x2.33x1.95	2.25x2.60x2.25	2.25x2.70x2.41	2.81x3.07x2.67
Dry Weight	kg	1175	1550	1900	3100	3100	3566
Chimney Top Diameter	mm	150	200	200	250	250	250

Note: Efficiency is calculated based on NCV of Diesel as 10500 kcal/kg, LPG as 24940 kcal/Nm³ and Natural Gas as 8500 kcal/Nm³. Above mentioned weight and dimensions connected load may vary with actuals. Please refer to offer document for more details.

P & I Scheme

Aquamatic with Calorifier



Note: * Treated water tank height 3-4 mtr from base line



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Thermax Business Portfolio

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