

HEATING SBU  
Cooling & Heating Division



# AQUAMATIC™

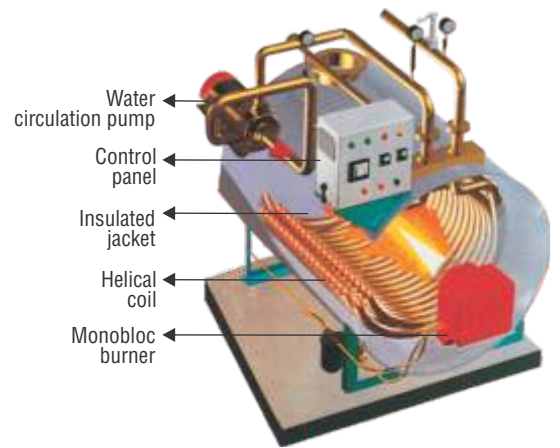
Oil / Gas Fired Hot Water Generator

## Unique design features

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

## Applications

- **Hotel & Hospitality** - Hot water for bathing, swimming pool heating.
- **Automobile & Engineering** - Hot water / degreasing baths.
- **Food Processing** - Sterilisation, sanitation, hot wash, hot air generation.



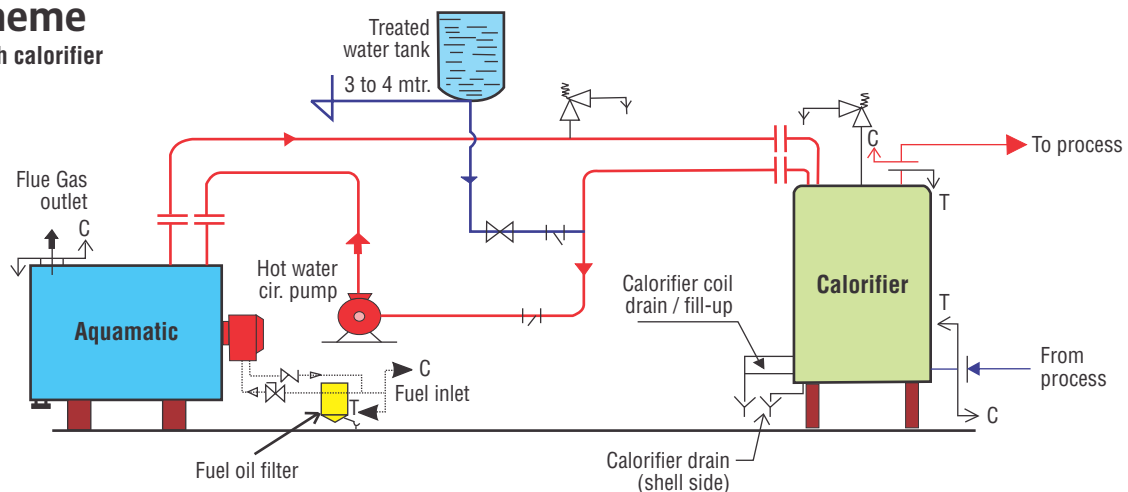
## Technical specifications

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 <sup>3</sup> / hr	4	9	12	18	20	30
Temperature Difference (Δt)	°C	13	11	17	17	20	20
<b>Efficiency</b>		<b>As Per BS 845 Part 1 NCV Basis</b>					
Diesel (HSD)	%	<b>93</b>					
Gas (NG / LPG)	%	<b>92.5</b>					
Fuel		HSD / LPG / NG					
Fuel Firing System		Pressure Jet, Mono-Bloc					
<b>Fuel Consumption</b>							
HSD	kg / hr	5.12	10.24	20.48	30.72	40.96	61.44
NG	Nm <sup>3</sup> / hr	6.36	12.72	25.44	38.16	50.87	76.31
LPG	Nm <sup>3</sup> / hr	2.17	4.33	8.67	13.00	17.34	26.01
<b>Connected Electrical Load</b>							
HSD / NG / LPG	kW	1.53	2.33	3.08	4.95	5.15	7.30
<b>Dimensions &amp; Weight</b>		<b>Without Calorifier</b>					
L x W x H	m	1.07x0.83x0.91	1.13x1.34x1.85	1.22x1.55x1.97	2.24x1.38x2.23	2.45x1.38x2.23	2.81x1.55x2.51
Dry Weight	kg	500	875	899	1500	1500	2270
<b>Dimensions &amp; Weight</b>		<b>With Calorifier</b>					
L x W x H	m	2.08x0.99x1.69	2.12x1.34x1.85	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	150	200	250	300	350

Note: Efficiency is calculated based on NCV of Diesel as 10500 kcal/kg, LPG as 24940 kcal/Nm<sup>3</sup> and Natural Gas as 8500 kcal/Nm<sup>3</sup>. Above mentioned weight and dimensions may vary with actuals. Please refer to offer document for more details.

## P & I scheme

### Aquamatic with calorifier



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