

# Aquamatic

## Hot Water Generator



Hot water on tap - round the clock, round the year

# Aquamatic advantages unlimited



Aquamatic is the close loop, compact hot water generator providing water at a maximum outlet temperature of 90°C.

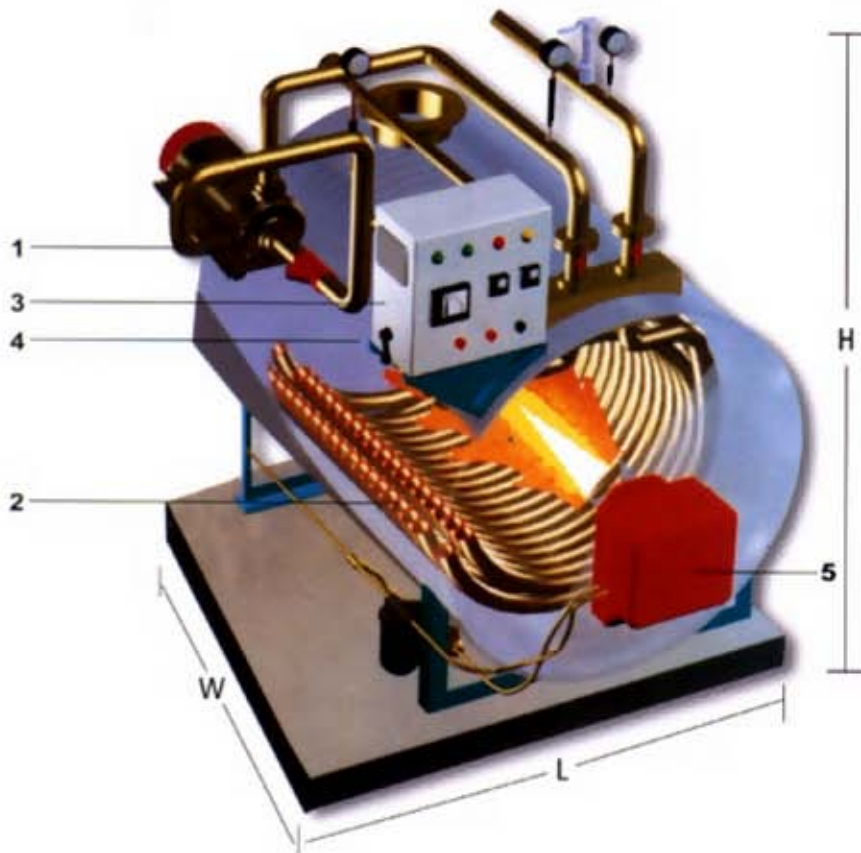
It comes to you with a multitude of benefits including the assurance of Thermax's service.

## Features...

- Horizontal unit with calorifier (optional) - totally skid mounted
- User friendly - single button start
- High efficiency - the 3 pass design gives an efficiency of 93% on NCV of fuel used

## ...and benefits

- No foundation required
- Can be easily accommodated even in basements (with Thermax calorifier)
- Low electrical load
- Easy to operate and maintain
- Non - IBR
- Prompt service due to all India sales & service network



Aquamatic - the inside view

### 1 Circulating pump

Delivers the desired water quantity.

### 3 Control panel

User - friendly, easy to operate, prewired.  
Provides most reliable and precise control of temperatures.

### 5 Burner

Monobloc burner of international repute. Highly efficient and reliable; gives controlled combustion at a very low noise level.

### 2 Coil

Double coil of large diameter tubes, well - designed to cover the desired transfer area.

### 4 Pre-insulated

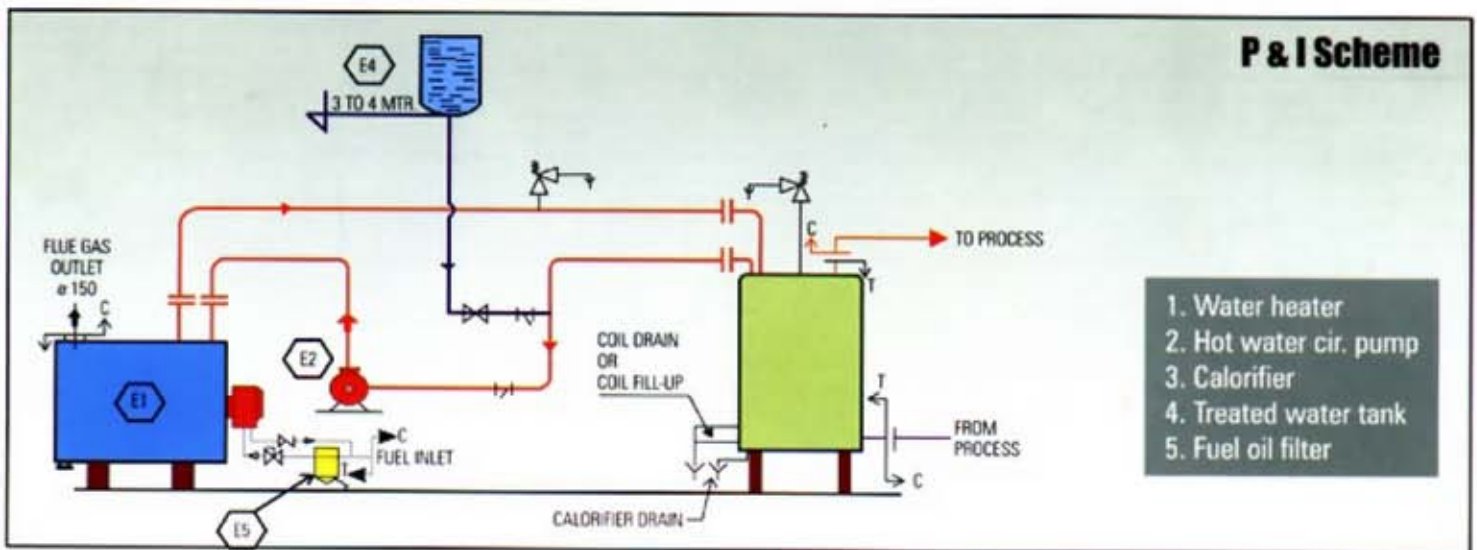
No insulation required at site.

### 6 Calorifier (Optional)

Most optimum and efficient design.  
No treatment required for water to be heated. See adjacent fig.

*(Unit comes with a four year guarantee when taken along with our calorifier)*

## P & I Scheme



1. Water heater
2. Hot water cir. pump
3. Calorifier
4. Treated water tank
5. Fuel oil filter



Aquamatic unit with calorifier

## Technical specifications

PARAMETERS	UNIT	AMW-005	AMW-01	AMW-02	AMW-03	AMW-04	AMW-06
Output	kCal/h	50,000	1,00,000	2,00,000	3,00,000	4,00,000	6,00,000
Outlet temperature	°C	90	90	90	90	90	90
Delta T	°C	12	11	17	17	20	20
Water pump flow rate	m <sup>3</sup> /h	4	9	12	18	20	30
Max. calorifier working pressure	kg/cm <sup>2</sup>	-	4	4	4	4	4
Fuel consumption**							
HSD (NCV = 10,200 kCal/kg)	kg/h	5.3	10.5	20.5	31	41	62
Natural Gas (NCV = 8,500 kCal/Nm <sup>3</sup> )	Nm <sup>3</sup> /h	6.5	13	26.1	39.1	52.2	78.3
LPG (NCV = 22,390 kCal/Nm <sup>3</sup> )	Nm <sup>3</sup> /h	2.5	5	9.9	14.9	19.8	29.7
Power supply		415V ± 6%, 50Hz ± 3%, 3 Phase, 4 Wire					
Total connected load	kW	0.9	2.6	2.67	4.24	4.43	6.9
Dimensions							
With Calorifier (LxWxH)	m	--	1.1x1.9x1.2	1.5x2.2x1.4	2.1x2.6x1.5	1.9x2.4x1.7	2.3x2.85x1.6
With Calorifier Thermax (LxWxH)	m	1.2x0.8x1.2	1.1x1.1x1.2	1.5x1.2x1.2	2.1x1.4x1.4	1.9x1.25x1.3	2.3x1.5x1.6

Note : \* As per standard BS : 845 Part I Indirect Method. \*\* Fuel is HSD/NG/LPG only.

Data applicable for altitude of 1000 mts. above mean sea level. For operating altitude beyond 1000 mts. above MSN check with Thermax HO



- ◆ Thermax Offices
- ▲ Thermax Service Franchise
- Thermax Sales Representative
- ★ Spare Stocking Centre

# The Thermax advantage

Aquamatic comes to you with the Thermax stamps of quality assured manufacturing and leadership in thermal engineering. All this is backed by the all India Service network of Thermax which provides prompt and timely service whenever you need it.



A view of the assembly shop



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