



Wall hung  
gas boilers

## PLANET DEWY

- **Condensing wall hung upto 97% efficiency.**
- **Full gas/air modulation.**
- **Heating boiler.**
- **Built-in circulator, expansion tank, and air eliminator.**
- **Stainless steel heat-exchanger.**
- **Ideal for radiant and snow melt applications.**
- **Available in natural gas and LP gas**



 **sime**<sup>®</sup>



## PLANET DEWY

### Condensation technology

Why choose a condensation boiler?

It offers a number of obvious advantages.

Combustion in a conventional boiler exploits only a portion of the energy contained in fuel by transforming it into heat; the rest of the energy is dispersed in the flue.

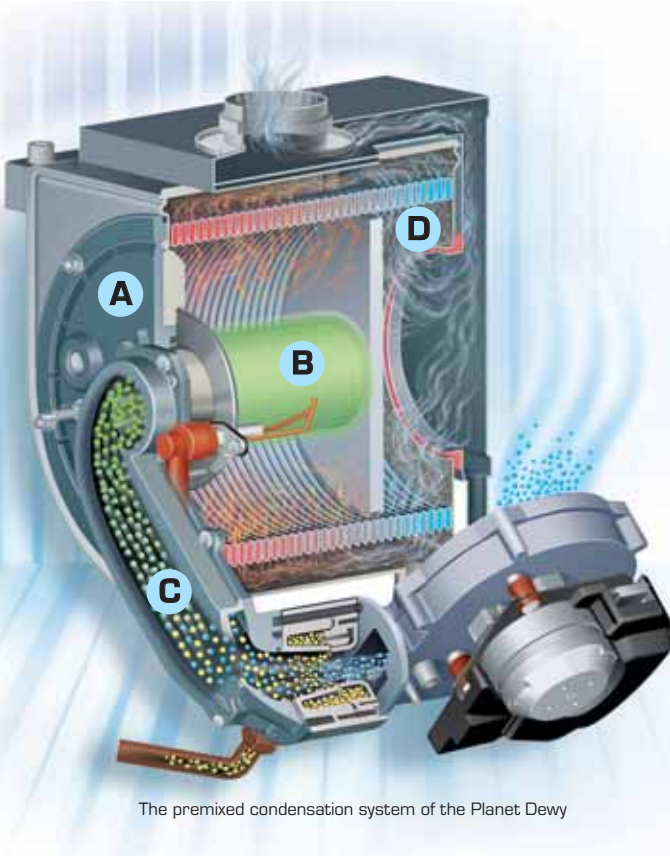
Condensation technology recovers a large percentage of the dispersed energy, achieving more efficient use of all the energy offered by the fuel.

**Planet Dewy** makes use of almost all energy produced by gas combustion to achieve maximum efficiency and minimum consumption.

## A green heart

At the heart of the **Planet Dewy** boiler is a combustion system that ensures the highest efficiency by extracting the most heat possible from the burnt gas.

**Planet Dewy** has an efficiency of up to 97%



The premixed condensation system of the Planet Dewy

efficiency with annual efficiencies well above 90%. The advanced system also means pollution emissions are kept to a minimum for a greener environment. The NOX emissions are well within the limits set by regional standards.

- A** The main heat exchanger is manufactured in high quality stainless steel (AISI 316 LC ) to resist the corrosive action of the condensation that is produced. Its cylindrical shape, as well as efficiently collecting the condensate liquid, ensures the best possible heat exchange takes place.
- B** The pre-mixed burner, also in stainless steel, is cylindrical and positioned radially in the combustion chamber. Its `micro-flame' feature allows for a lower operating surface temperature which reduces significantly the amount of polluting emissions (nitrous-oxide) produced.
- C** Air and gas for combustion are introduced into the burner manifold pre-mixed in an ideal balance.
- D** The recovery of normally wasted energy occurs where the water vapour, present in the hot flue gases, condenses as it contacts the cooler surface created by the return water from the heating system.

## Logica Remote Control - Intelligent control

**Planet Dewy's** output is enhanced by using **Logica Remote Control** heat control with external probe. This is a simple, effective system which optimises the system's control, helping improve performance and reduce consumption.

With Logica Remote Control and external probe it is possible to:

- ▶ Control all boiler functions at a distance
- ▶ Use the thermostat timer system, with three operating temperatures
- ▶ Control the system in relation to the outside temperature (with optional probe)
- ▶ Control boiler temperature through time programming
- ▶ Periodically raise the storage tank temperature to eliminate any pathogens (legionella control function)
- ▶ Signal any malfunctions, identifying the cause
- ▶ Anticipate and compensate for both external climate variations and external heat contributions (self learning function)
- ▶ Limit heating during the day or long periods when the outside temperature is higher than the room temperature (ECO function)
- ▶ Vary room temperature by simple control adjustment, without modifying set programmes
- ▶ Interrupt the set programme for a holiday period, with automatic reset on return.

# Simplicity, design and performance

The elegant and unmistakable aesthetic of **Planet Dewy** is aimed above all else at easy use. The diagnostic is advanced and easy to understand.

The temperature and pressure of the system are indicated through the indicator lights that are always visible on the command panel.



## List of functions / instruments

- ▶ **1** Time clock – plug-in option
- ▶ **2** Rotary switch (off, summer, winter, boiler reset)
- ▶ **3** C.H. temperature control
- ▶ **4** D.H.W. temperature control
- ▶ **5** Temperature display and fault indicators
- ▶ **6** Water pressure display

## Technical features

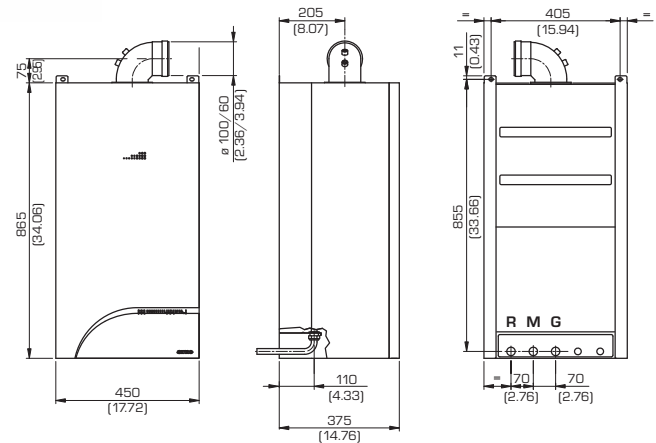
	30 BFT
Maximum input kW (Btu/h)	32,9 (112.000)
Minimum input kW (Btu/h)	10,9 (37.000)
Maximum output (60-80 °C) kW (Btu/h)	29,3 (100.000)
Minimum output (60-80 °C) kW (Btu/h)	10,4 (35.000)
Maximum output (30-50 °C) kW (Btu/h)	32,0 (109.000)
Minimum output (30-50 °C) kW (Btu/h)	11,4 (39.000)
Water content litres (USgal)	6,0 (1,6)
Electric power consumption W	175
Maximum C.H. pressure bar (psi)	3 (44)
Expansion vessel	
Water content litres (USgal)	8 (2,1)
Precharging pressure bar (psi)	1 (15)
C.H. setting range °C (F)	20÷80 (68÷176)
D.H.W. setting range °C (F)	10÷60 <sup>(1)</sup> (50÷140) <sup>(1)</sup>
D.H.W. production	
Cont. D.H.W. flow rate Δt 30°C 1/min (USgal/min)	14,1 <sup>(1)</sup> (3,72) <sup>(1)</sup>
Maximum D.H.W. pressure bar (psi)	7 <sup>(1)</sup> (101) <sup>(1)</sup>
Storage tank capacity litres (psi)	100 <sup>(1)</sup> (26,4) <sup>(1)</sup>
D.H.W. expansion vessel litres	4 <sup>(1)</sup> (1,1) <sup>(1)</sup>
Weight kg (lb)	51 (112,4)

(1) With "BT 100" tank connected.

(2) Test for 10 minutes of water consumption.

We pursue a policy of continuing improvement in design and performance of our products. The right is therefore reserved to vary specifications without notice. This company assumes no responsibility for any possible contents mistakes, and reserves the right to make changes in products at any time without notice.

## Dimensional details - Hydraulic connections



## Hydraulic connections

M	C.H. flow	C	3/4"
R	C.H. return	C	3/4"
G	Gas connection	FNPT	3/4"

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