



### Domestic Wood Pellet Boiler

- Environmentally friendly heating for your home
- Highly efficient and reliable domestic boiler using state of the art pellet burning technology
- Compact design for easy installation
- Microprocessor control with indoor and outdoor sensors ensures comfortable heating throughout the year
- Automatic ignition and operation
- Separate connections for heating and domestic hot water circuits
- Generously sized ash bin emptied only once a month
- Designed for easy cleaning and maintenance
- Fully insulated to minimise local heat loss
- Simple and neat connection to pellet supply
- Can be supplied with stand-alone pellet hopper and automatic pellet feed system
- 2 years warranty

Designed in Scandinavia based on many years experience of wood combustion, the EcoFlex boiler is a highly efficient wood pellet boiler. Thoughtfully designed and built to high engineering standards in our modern factory in Sweden the EcoFlex is reliable, simple to install, easy to operate and provides environmentally friendly heating for your home.

An EcoFlex wood pellet boiler provides the same convenience of operation as an oil fired boiler but by burning wood pellets you are not adding to the long term build-up of carbon dioxide in the atmosphere, considered a major factor in global warming.

A burner fitted in the front of the boiler carefully regulates the flow of wood pellets onto a grate where controlled burning takes place. Pellets contain a small amount of ash and this is constantly expelled from the grate and collects in an ash drawer below. The ash draw is easily accessed from the front of the boiler and only requires emptying once a month.

The water shell boiler has a three-pass vertical flue gas system providing excellent transfer of heat to the water and an efficiency of over 90%. A removable panel in the top of the boiler casing provides access to the flues making annual cleaning a simple operation.

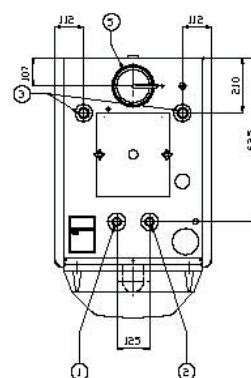
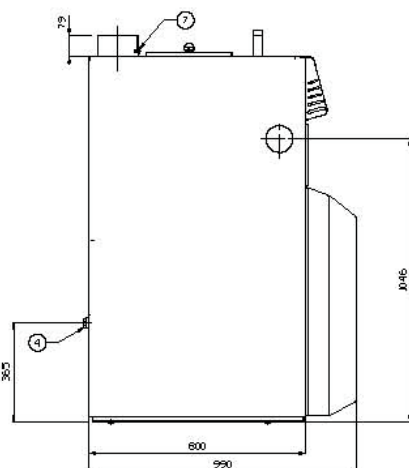
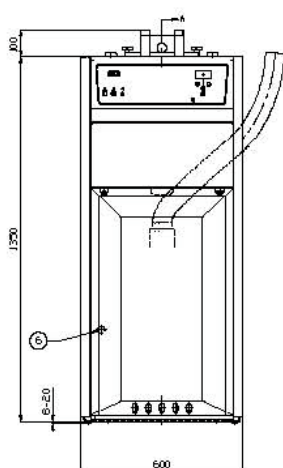
Supplied with built-in microprocessor controller, electric ignition and both indoor and outdoor temperature sensors operation of the EcoFlex boiler and associated pellet feed system is fully automatic. The burner has a three-step function automatically selecting the output most appropriate to the heating need. All the boiler functions and heating set points can be viewed and adjusted from the boiler mounted display panel.

The EcoFlex is supplied as standard with connections for both heating and domestic hot water circuits providing flexibility for installation. A typical diagram is indicated on the reverse of this sheet.

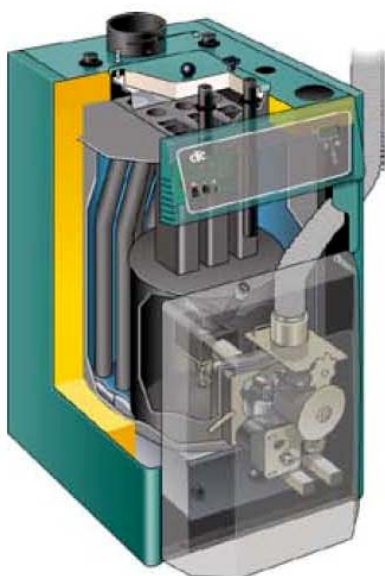
The EcoFlex – domestic heating the natural way!

<b>EcoFlex</b>		<b>20</b>
Rated output Pellet	kW	18.6
Rated input Pellet	kW	20.9
Boiler efficiency	%	89
Flue gas temperature	°C	140
Output range Pellet	kW	5-18.6
Output steps from factory Pellet Full/Part/Min	kW	20/9/0
Water content boiler	l	150
Max operation pressure boiler	bar	2.5
Max operation temperature	°C	110
Weight empty (excl. packing)	kg	265
Weight operating	kg	415
Electrical data		230V 1ph

## Measurements



1. Primary flow R 1"
2. Return flow R 1"
3. Expansion connection/Primary flow water heater R 1"
4. Return flow water heater R 1"
5. Flue gas outlet  $\varnothing$  150 mm
6. Drainage R 1/2"
7. Flue gas analysis M10



## EcoFlex typical installation diagram

