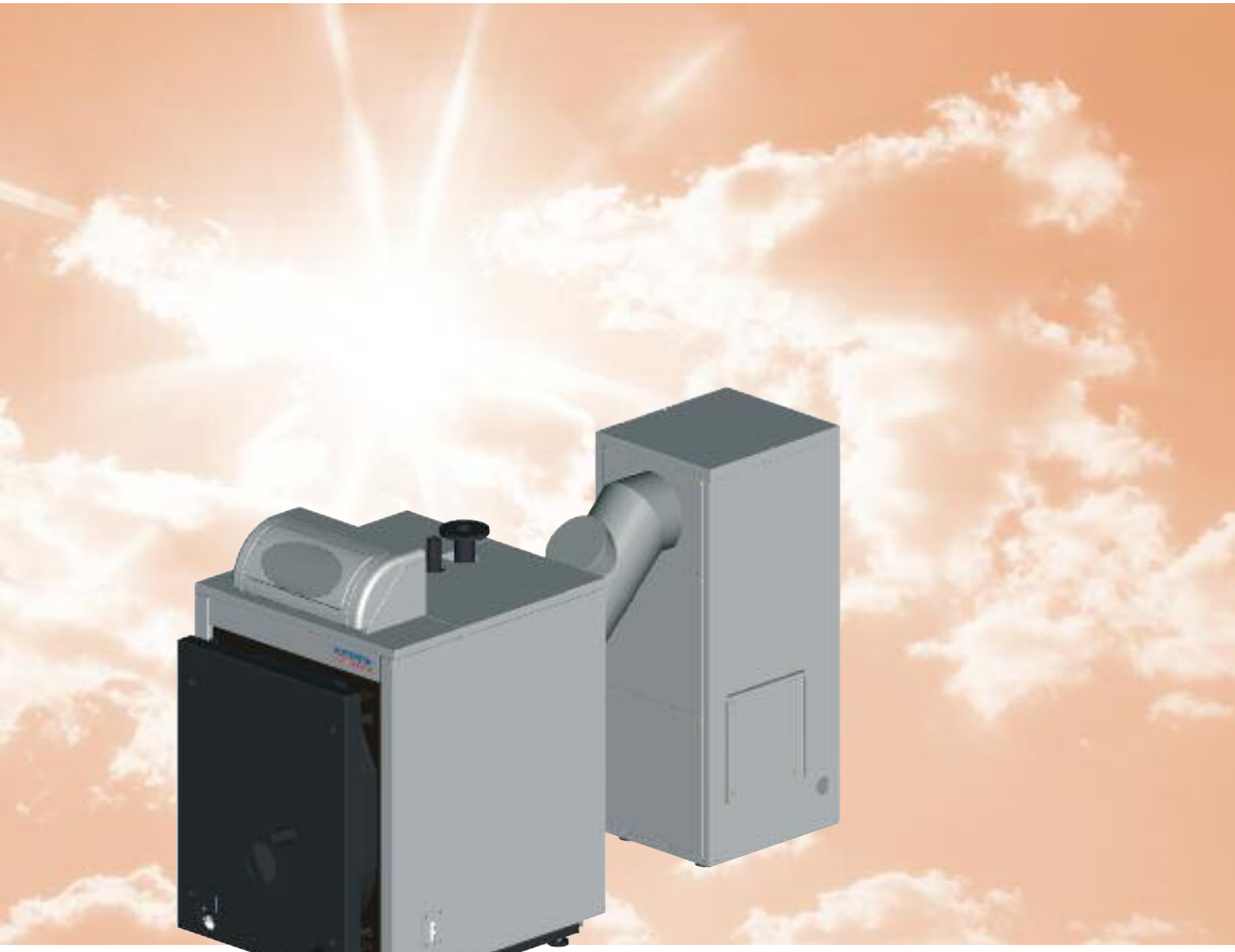
NEW

LogoCondense

featuring

CarboCondense

Oil Fired Condensing Technology • 98 & 131kW



Working towards
a cleaner future

POTTERTON
COMMERCIAL
heating specialists

LogoCondense

Oil Fired Condensing Technology • 98 & 131kW

A high peformance steel shell boiler, the LogoCondense is designed for operation in the arduous conditions of condensing oil. The LogoCondense boilers are a range of one-piece steel shell forced draught high efficiency boilers. Compact dimensions mean that it can be quickly and easily installed. Outstanding performance is achieved using advanced three pass combustion chamber technology, coupled with state of the art flue gas heat recovery heat exchanger.

Summary

The LogoCondense range is a combination of low temperature boiler and an external condensing heat exchanger, the CarboCondense. This system can be utilised with both gaseous and liquid fuel burners.

The external condensing heat exchanger increases the efficiency significantly. The efficiency compared to the low temperature boiler without CarboCondense, can increase by 14% with gas firing and 8.5% with oil.

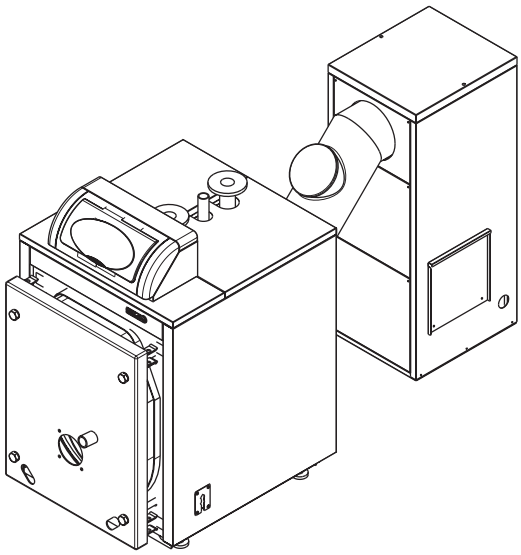
The LogoCondense offers all the benefits of the low temperature boiler with the addition of the latest in innovative heat exchanger technology, the CarboCondense.

The CarboCondense is a single compact heat exchanger with a series of carbon blocks, a feeding pump, safety devices and flue connection.

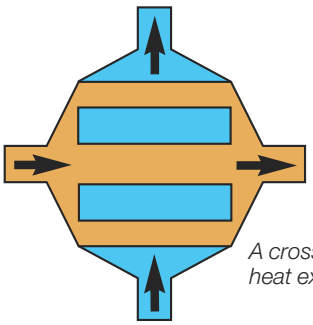
The overall system delivers high operating efficiencies, especially at higher outputs.

Design and function

Flue gases leaving the low temperature boiler are guided through the vertical channels of the condensing heat exchanger. Water channels inside the carbon block transfer heat by the crossflow principle. The end caps on the carbon block divert the the waterflow in either direction.



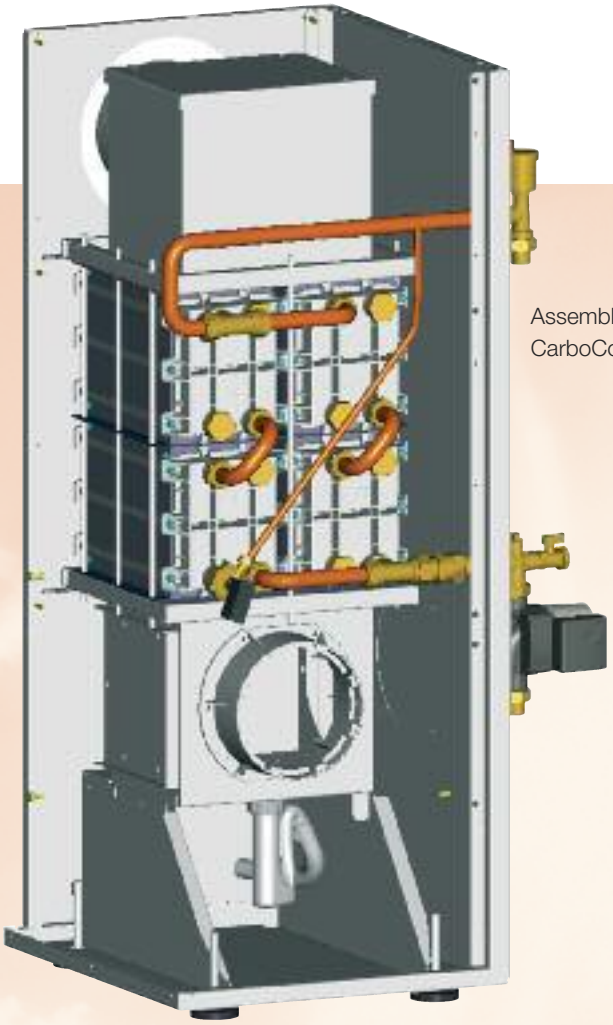
A series of single carbon blocks are hydraulically interconnected. The integral feeding pump feeds a proportion of the heating return circuit through the heat exchanger. The pump is selected on the basis of the flow rate required through the heat exchanger to optimise heat recovery from the flue gases.



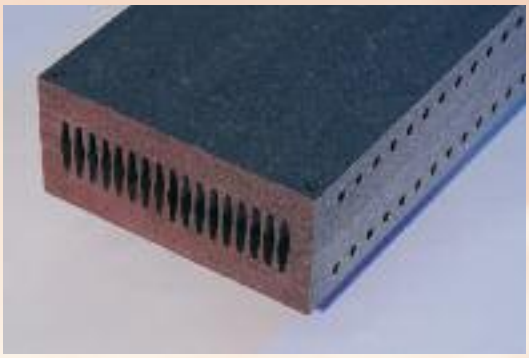
A cross-flow heat exchanger

CarboCondense

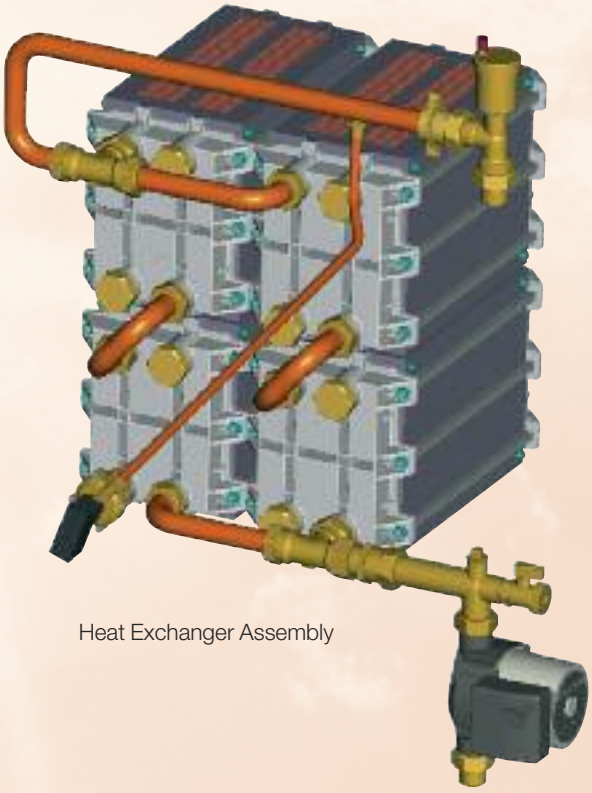
Carbon Heat Exchanger



Assembled
CarboCondense



Carbon Heat Exchanger Block



Heat Exchanger Assembly

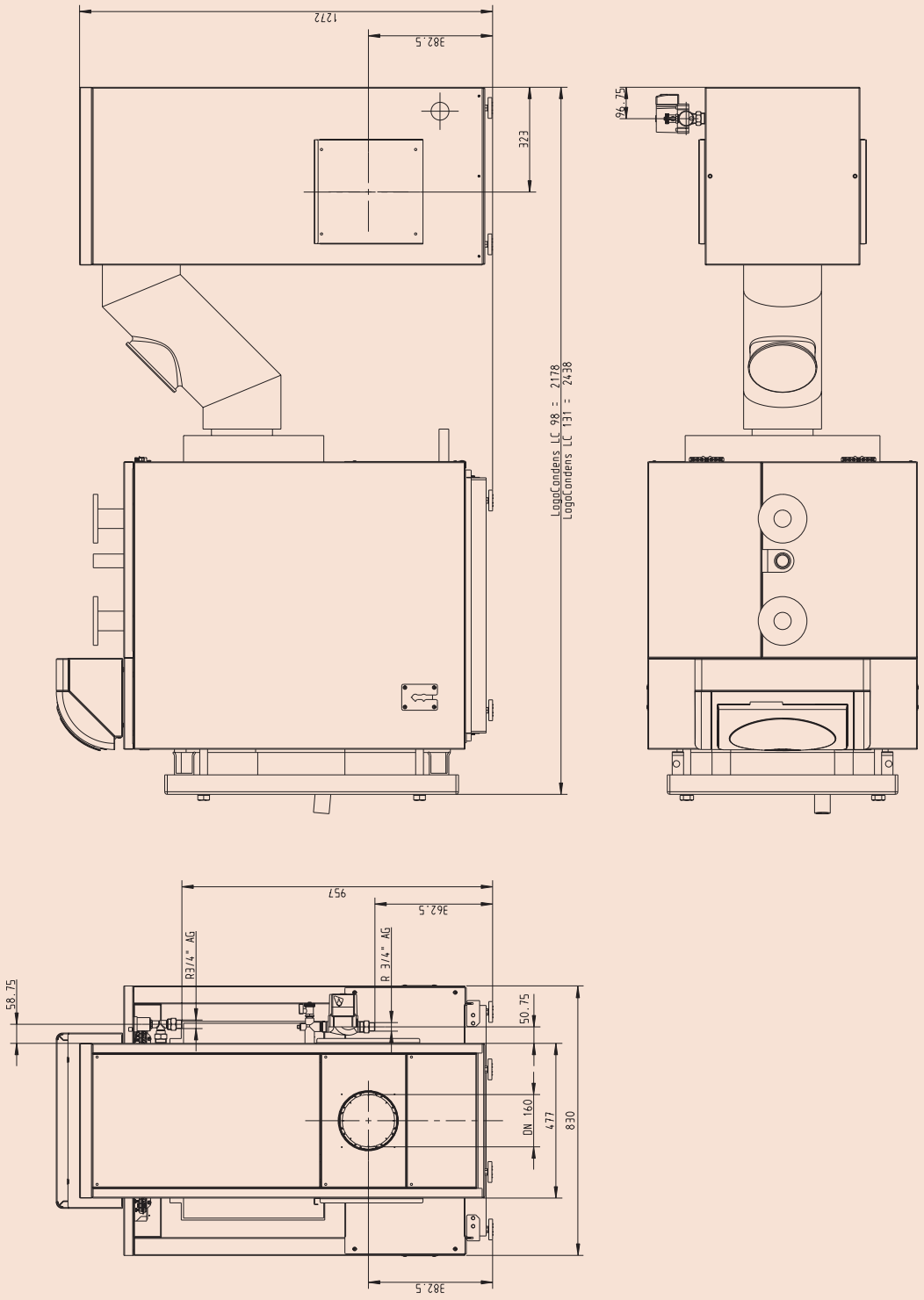
Innovative heat exchanger technology

Carbon has long been used in the chemical industry for highly demanding applications. By intelligent adaptation of this material in an optimised heat exchanger, carbon now enters the heating sector.

Specifications

Model		LC 98C	LC 131C
Output	(kW)	98.0	130.9
Input at 50 / 30 °C	(kW)	99.4	131.9
Input at 80 / 60 °C	(kW)	94.4	125.8
Efficiency at 40 / 30 °C	%	102.5	102.5
Efficiency at 75 / 60 °C	%	101.0	101.0
Final Flue gas temperatures	°C	71	73
Flue gas resistance	(mBar)	0.63	0.83

Dimensions



Publication Date: 0411

PART OF BDR THERMEA

Baxi Commercial Division
Wood Lane, Erdington,
Birmingham B24 9QP

Sales: 0845 070 1056
Technical: 0845 070 1057

Email: potterton.commercial@baxicommercialdivision.com
www.pottertoncommercial.co.uk