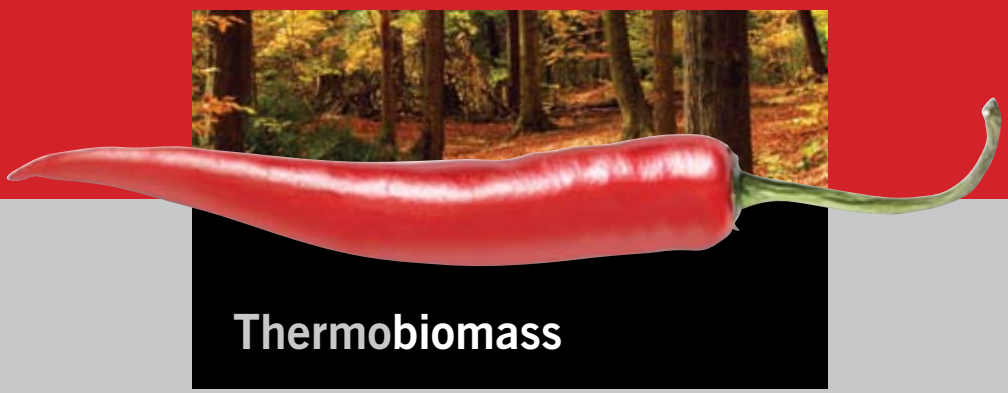
State-of-the-art pellet burning technology. Thermogroup UK work exclusively with Calimax to provide a carbon neutral heating solution.



Thermogroupuk

SUSTAINABLE HEATING SOLUTIONS

Thermobiomass

Thermogroup UK work exclusively with Calimax to provide an environmentally sensitive heating solution.

In times when environmental pollution is an increasing concern, it is particularly important to take responsibility when it comes to your heating system. And to make a decision for a heating system that conserves resources and keeps our environment healthy.

Wood pellet boilers now offer an attractive alternative to fossil fuel appliances. A wood pellet boiler is truly low carbon technology as the CO^2 released by burning the pellets is equivalent to the amount of CO^2 absorbed by the tree during its growth, creating a carbon neutral process.

Heating with a clear conscience
Heating with wood pellets does not contribute to global warming. Because the combustion process of pellets is CO^2 neutral with minimal emissions and a high efficiency of up to 95%. The result is that the warmth of a Calimax pellet stove benefits not just people, but nature as well.

A natural fuel
Pellets are made of the oldest fuel known to man - wood. The small cylindrical, compressed pellets are 100% untreated wood waste, such as wood scraps and sawdust. Since usually only domestic scrap wood is used for pellets, hardly any valuable resources are used to transport it to the customer.

Thermobiomass

STOCK NO	DESCRIPTION	SIZE	UNIT
4000	Calimax Twist 12 Stove with back boiler		EA
4001	Calimax Bellina Stove		EA
4030	Fully Insulated Dual Coil Storage Tank	200 ltr	EA
4031	Fully Insulated Dual Coil Storage Tank	300 ltr	EA
4032	Fully Insulated Dual Coil Storage Tank	400 ltr	EA
4100	15kg Premium quality pellets		EA

Data

	TWIST 12kW	BELLINA
heat output	3.5 - 12 kW	2.5 - 5 kW
height	1100mm	890mm
width	617mm	480mm
depth	596mm	430mm
weight	165kg	115kg
room-heating*	up to 420m³	up to 150m³
flue pipe connection	ø 100 mm	ø 80 mm
fresh air inlet	ø 70 mm	ø 50 mm
fuel capacity	32 kg	12 kg
burn duration**	up to 45 h	up to 20 h
efficiency (overall efficiency)***	>90%	>90%
efficiency (partial load)***	>90%	>92%
power consumption	~ 230 V / 50 Hz	~ 230V / 50 Hz
electrical power consumption	30 - 100 W	30 - 70 W
electrical ignition	built-in	built-in
room thermostat	built-in	built-in
permissable fuels: low dust pellets; ÖNORM M7135, DIN 51731, DIN Plus		
hydraulic connection assembly	installed	N/A
water output***	max 10 kW	N/A
connection of infeed/backflow	³/₄" AG	N/A
circulation pump	RS 15/4	N/A
safety valve	³/₄" AG, 2,5 bar	N/A
backflow increase	55°	N/A

Colours and casings:
Available range of different casing colours: clare-red, white, black, satin stainless steel.

Regional legislation with respect to flue configuration, fire safety, place of installation, etc, should be observed at times. Annual servicing helps ensure trouble-free operation and a long service life.

Dimensional tolerance +/- 3mm. We reserve the right to make amendments. Our stoves have been subjected to type-approval testing at TÜV SÜD München in accordance with EN 14785 and complies with emission requirements according to 15a B-VG. Please observe regional regulations concerning chimney situation, fire protection and placing of stove.

Smart Cylinders Thermogroup UK offer a range of Smart Cylinders for use with renewable heating sources and conventional systems. Built to the highest standards they meet European regulations and carry a 5 year warranty.

Smart Cylinders - Multi Use

- UPRIGHT STORAGE TANK MADE OF STEEL S235JR WITH 2 LARGE SURFACE BARE-TUBE HEAT EXCHANGERS
- ENAMELLING IN ACCORDANCE WITH DIN 4753 PART 3 ON THE INSIDE, PRIMER APPLIED TO THE OUTSIDE
- MAGNESIUM PROTECTION ANODE 1¼" PROVIDED FOR COMPLETION OF THE CATHODIC CORROSION PROTECTION IN ACCORDANCE WITH DIN 4753 PART 6
- SENSOR TUBE INCLUDED
- THERMOMETER INCLUDED IN THE SCOPE OF SUPPLY (ACCESSORIES KIT)
- AS STANDARD FITTED WITH 1½" SLEEVE FOR FITTING AN IMMERSION HEATER

  INSPECTION OPENING 180MM / 110MM DEPENDING ON MODEL
- ALL EXTERNAL THREADS ARE FLAT SEALING
- CFC FREE HARD PU FOAM INSULATION WITH A THICKNESS OF 50MM AND A CASING OF FOIL-CLAD, COLOURED SYNTHETIC MATERIAL IN ACCORDANCE WITH DIN 4753 PART 8, RAL COLOURS 9006; 9010; 2002; 5015
- COMPRESSIVE STRENGTH TESTED TO 10 BAR

In times when environmental pollution is an increasing concern, it is particularly important to take responsibility when it comes to your heating system. Make a decision for a heating system that conserves resources and keeps our environment healthy. **A wood pellet boiler** is truly low carbon technology as the CO^2 released by burning pellets is equivalent to the amount of CO^2 absorbed by the tree during its growth, **a carbon neutral process.**

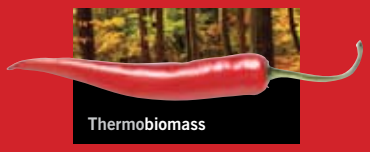
thermogroupuk 3 YEAR warranty

Advantages at a glance

- ATTRACTIVE DESIGN
- PROVIDES ADDITIONAL AMBIENT WARMTH AND COMFORT IN LIVING AREAS
- REDUCE 'GREENHOUSE' EFFECT
- LOW CARBON TECHNOLOGY
- AUTOFEED AND IGNITION
- HIGHER EFFICIENCY WITH MINIMAL WASTE
- PROVIDES HEATING AND HOT WATER
- IDEAL FOR SMOKELESS ZONES

For more information about Thermobiomass please call our sales team on **08700 41 21 41**

contact



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At Thermogroup UK we are constantly striving to package everything in recycled, degradable and recyclable materials to reduce our environmental impact. This brochure has been printed using soya based inks on paper which is elemental chlorine free, and manufactured using pulp from sustainable forests.

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