

KOOLFUEL®
energy for a future



The STU
Wood Pellet Boiler
100 - 1000kW

Hoval

Energy from biomass: The most cost effective

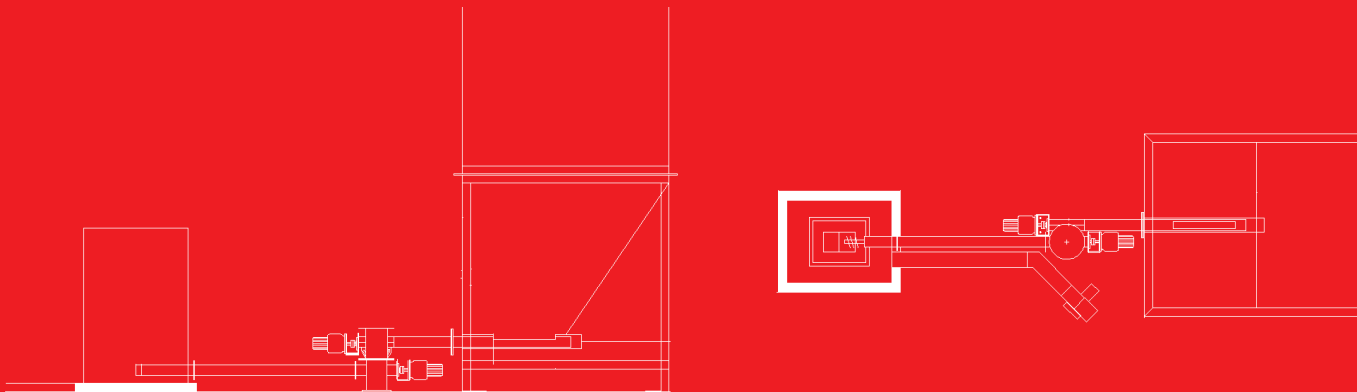


Features:

- Carbon neutral space and water heating
- Fully automatic pellet feed
- Fully modulating controls

Benefits:

- Experienced Technical Support and Backup
- Spare parts available ex-stock
- Local Service Engineers
- Complimentary plant available (including gas/oil fired boilers, buffer vessels, pressurisation etc.)



renewable way to reduce your carbon footprint



Concern over carbon emissions, demands from Development Planners, the decline of fossil fuel resources and volatility of oil and gas prices have all led to a desire for more sustainably fuelled heating solutions. The STU is a UK built wood pellet boiler that provides an answer.

Frequently asked questions

Pellets – made of 100% untreated, natural wood. Traditionally by-products of the wood industry are used as the raw material for pellets. Without any extra binders the raw material is compressed and extruded under high pressure to small cylindrical pellets. The natural lignin present in wood acts as the glue, binding the pellet together. Two kilogrammes of pellets generate the same heat energy as one litre of oil. Pellets are supplied in sacks or in a special 'blower' lorry – similar to heating oil being delivered by tanker.

Storage – accurate sizing relies on accurate heat demand profiles. Allow 600 to 650kg per cubic metre and 4.9 kWh per kilogramme of pellets.

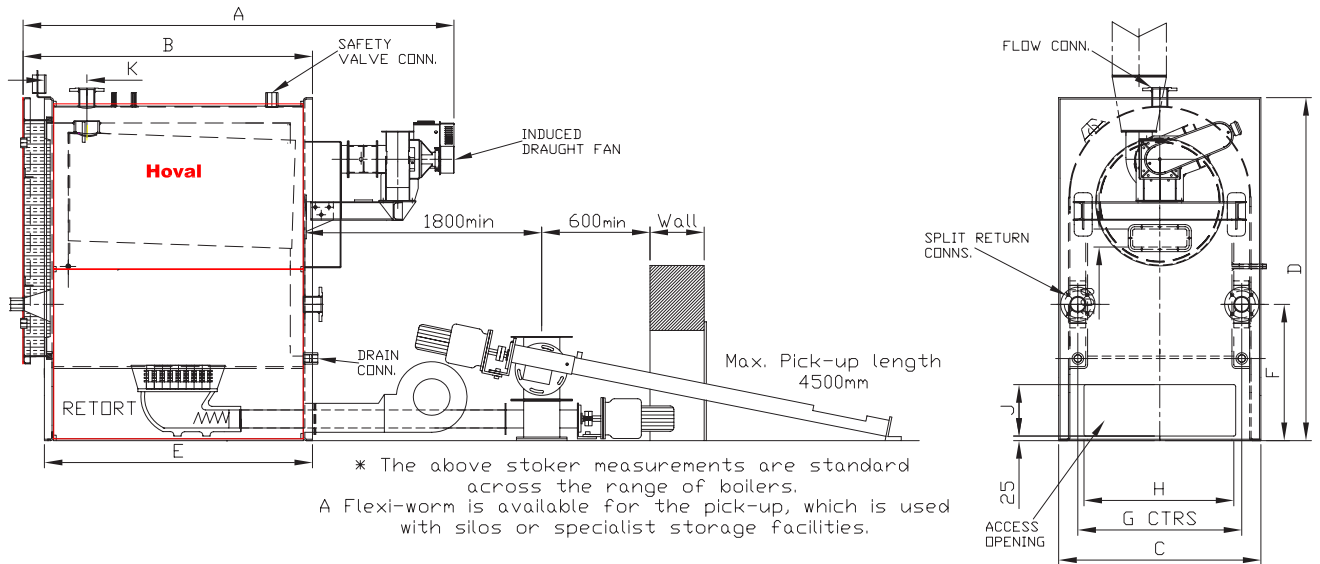
Flues – twin walled stainless, 1 per boiler. Although wood pellets have negligible sulphur content, because it is a solid fuel, chimney sizing must comply with the Clean Air Act chimney Heights Memorandum, your local authority EHO should be able to advise further.

Ash – ash produced from wood pellets is typically less than 1% by weight of highly dense granular material. Ideally it should be used as garden fertiliser and not considered a 'waste'.

The vast majority of issues arising from the practical utilisation of wood pellet boilers are associated with fuel quality. Hoval expect a good pellet specification to be adhered to in order to avoid poor end-user experience. We can supply an impartial list of UK pellet suppliers known to us.



Dimension



STU	A	B	C	D	E	F	G	H	J	K
100	1936	1104	840	1700	1010	572	680	640	285	240
150	2401	1567	840	1700	1475	572	680	640	285	240
200	2387	1553	1120	1900	1485	755	908	840	285	235
250	2387	1553	1120	1900	1485	755	908	840	285	235
300	2387	1553	1120	1900	1485	755	908	840	285	235
350	2902	2068	1120	1900	2000	755	908	840	285	235
450	2902	2068	1120	1900	2000	755	908	840	285	235
500	3322	2533	1120	2170	2420	755	908	840	285	235
600	3322	2533	1120	2170	2420	755	908	840	285	235

Details available on request for larger models

Hoval Ltd
 Northgate
 Newark
 Notts
 NG24 1JN
 Tel: (01636) 672711
 Fax: (01636) 673532
 e-mail: boilersales@hoval.co.uk
 Web Site: www.hoval.co.uk



By Appointment to
 Her Majesty the Queen
 Boiler Manufacturers & Engineers
 Hoval Limited, Newark

Hoval

Conservation of energy - protection of the environment