

Keston

EVERYTHING IS POSSIBLE



Keston System

30kW Output

The Facts

- 7 year warranty†
- Easy to see pressure gauge
- Large backlit display with user friendly controls
- Low lift weight
- Low component count maximising reliability
- Compact dimensions
- Twin flue up to 27m*
- 50mm muPVC (PVC-C) solvent weld flue allowing simple, cost effective installations**
- Weather compensation supplied as standard
- Inbuilt frost protection
- Fully modulating
- LPG conversion kit available



**INSTALL THE KESTON
22MM SYSTEM FILTER**
with a Keston System boiler
to receive a 7 year warranty†



7 Year Warranty†

Providing ultimate reliability, all Keston boilers are offered with a 7 year warranty when fitted with a Keston filter



Twin Flue Design

Providing the perfect solution for problematic and awkward installations



Weather Compensator

All models in the Keston range come complete with weather compensation as standard.



British Built Since 2013

All Keston boilers are built in and designed for the British market

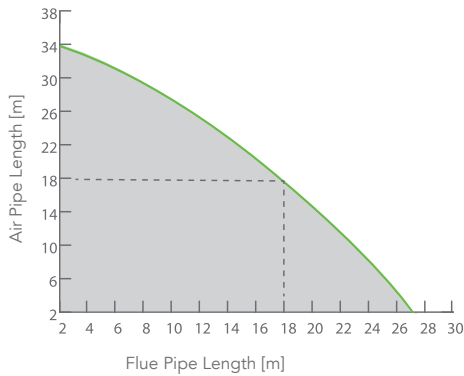
† 7 year warranty when installed with a Keston 22mm System Filter and registered within 30 days of installation. 5 year parts & labour warranty as standard. 7 year warranty available until 31/12/19. Terms and conditions apply. * For the maximum total equivalent flue length, please refer to the installation manual. ** The only systems approved for this application are: Marley muPVC (PVC-C) Solvent Weld Waste System (50mm), Polypipe System 2000 muPVC (PVC-C) Solvent Weld Waste System (50mm), Polypipe Terrain Solvent Weld System (50mm) and Wavin Osma PVC-C Solvent Weld System (50mm). Please use the recommended Solvent Weld Cement for each system.

Specification Data

CENTRAL HEATING			S30
CH Output @ 70°C	Max	kW	30.3
	Min	kW	6.1
CH Output @ 40°C	Max	kW	31.0
	Min	kW	6.4
CH Input	Nett CV Max	kW	30.4
	Nett CV Min	kW	6.1
CH Input	Gross CV Max	kW	33.7
	Gross CV Min	kW	6.7
CH Gas Consumption	Max	m³/h	3.135
	Min	m³/h	0.622
OTHERS			S30
Seasonal Efficiency	SEDBUK 2005	%	91.1
	SEDBUK 2009	%	89.6
Seasonal Space Heating Efficiency Class			A
NOx Classification			Class 5
GENERAL DATA			S30
Max Horizontal Flue Length	m		27 Flue / 2 Air
Max Horizontal Flue Length (Parallel)	m		18 Flue / 18 Air
Flue Terminal Diameter	mm		50
Gas Supply			2H - G20 - 20mbar
Gas Supply Connection			15mm copper compression
Injector Size	mm		4.65
Flow Connection (CH)			22mm copper compression
Return Connection (CH)			22mm copper compression
Average Flue Temp - Mass Flow Rate			69°C - 13g/s
CO ₂ Content (±0.7) (Max CH)	%		9.3
CO ₂ Content (±0.7) (Min CH)	%		8.8
Max Working Pressure (Sealed Systems)	bar (psi)		2.5 (36.3)
Electrical Supply			230V - 50Hz
Power Consumption	W		100
Fuse Rating			External 3A / Internal: T4A HRC L250V
Water Content	l (gal)		1.2 (0.26)
Weight (Packed)	kg		31.6
Maximum Installation Weight	kg		26.2

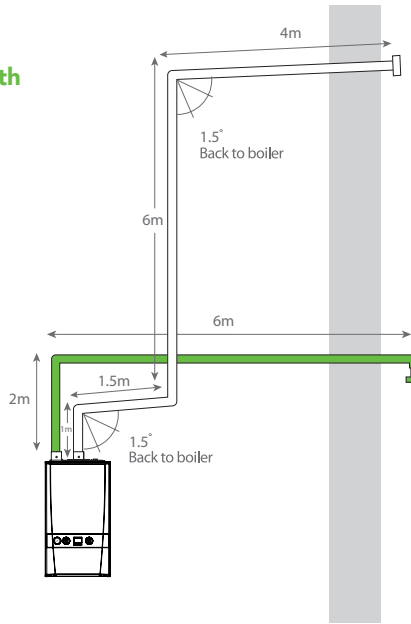
Example Flue Installation

Keston System S30 - Flue & Air Pipe Length



acceptable flue operating area

Graph indicates maximum flue run 27m with 2m air. Also, 18m flue with 18m air pipe for parallel twin flue run.



C53 HORIZONTAL

Calculations

Flue

Elbows 3 x 1m = 3m

Straights 4+6+1.5+1 = 12.5m

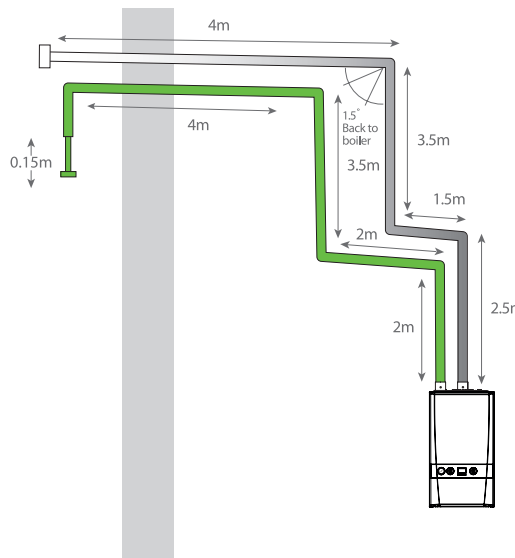
Total = 15.5m

Air

Elbows 2 x 1m = 2m

Straights 6+2+0.1+1 = 8.1m

Total = 10.1m



C13 HORIZONTAL

Calculations

Flue

Elbows 3 x 1m = 3m

Straights 4+3.5+1.5+2.5 = 11.5m

Total = 14.5m

Air

Elbows 4 x 1m = 4m

Straights 2+2+3.5+4+0.15 = 11.65m

Total = 15.65m

Dimensions

KESTON SYSTEM

Height 700mm

Width 395mm

Depth 278mm

The following minimum clearances must be maintained for operation and servicing.

Front of boiler - 450mm[†]

Sides of boiler - 2.5mm

Above boiler - 350mm, with 30mm above the flue

Below boiler - 100mm[†]

* Or equivalent length.

† Can be reduced to 5mm for cupboard fit, 450mm required for servicing.