

HEAT 45 & 55 45 & 55kW OUTPUT HEAT ONLY BOILERS

"THE HEAT 45 HAS THE CAPABILITY FOR A TWIN FLUE UP TO 21M* PROVIDING A SOLUTION FOR PROBLEMATIC INSTALLATION SITUATIONS"

TWIN FLUE TECHNOLOGY DESIGNED TO GO THE DISTANCE

THE FACTS

- Condensing output options 45 & 55kW
- Inbuilt weather compensator
- Inbuilt pump (low energy modulating)
- Minimum pressure 0.3 bar
- Minimum head 3m
- Twin flue up to 21m (Heat 45)*
- Twin flue up to 17m (Heat 55)*
- 5:1 turndown ratio
- Small installation footprint
- Low NO_x Class 5
- 50mm MuPVC solvent weld flue allowing simple, cost effective installations**
- Commercial control system compatibility as standard
- Twin thermostat
- 5 year warranty
- British Gas service listed
- Energy Saving Trust Endorsed
- ECA listed

EVERYTHING IS POSSIBLE WITH A KESTON

- Perfect for upgrading existing twin flue systems
- MuPVC flue requires fewer inspection points for flues in voids
- Long flue runs enable basement and central boiler installations
- Save £'s on long twin flue runs compared with a concentric flue equivalent

5
YEAR***



Built in Britain



Weather Compensator



Twin Flue Design



Frame and Header Kits



Modulating Pump



Energy-related Products Prepared

* For maximum total equivalent flue length please refer to the installation instructions for full details.

** Marley muPVC (PVC-C) Solvent Weld Waste System (50mm) and Polypipe System 2000 muPVC (PVC-C) solvent weld waste (50mm) are the only systems approved for this application.

*** 5 year warranty subject to terms and conditions. 5 years parts and labour warranty available subject to being commissioned by Keston.



DIMENSIONS

Keston Heat 45 & 55

Height	850mm
Width	500mm
Depth	360mm

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

- Front of boiler - 450mm*
- Sides of boiler - 25mm
- Above boiler - 350mm, with 30mm above the flue
- Below boiler - 300mm
- Clearance between multiple boiler installations - 25mm

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

FLUE INSTALLATION

EXAMPLE OF KESTON HEAT 45 & 55

Calculations

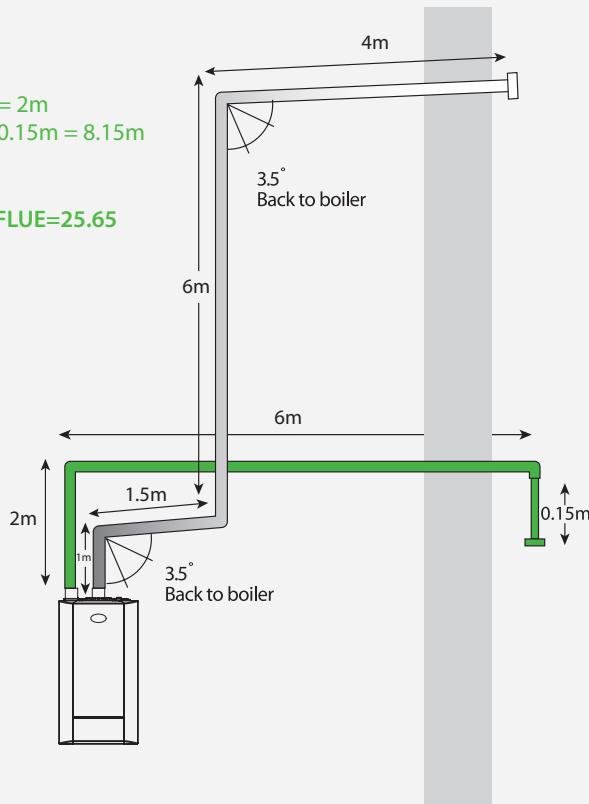
Flue

Elbows $3 \times 1\text{m} = 3\text{m}$
 Straights $4+6+1.5+1 = 12.5\text{m}$
 Total = 15m

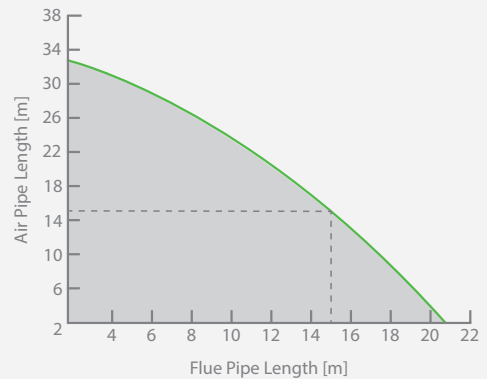
Air

Elbows $2 \times 1\text{m} = 2\text{m}$
 Straights $6+2+0.15\text{m} = 8.15\text{m}$
 Total = 10.15m

OVERALL AIR/FLUE=25.65



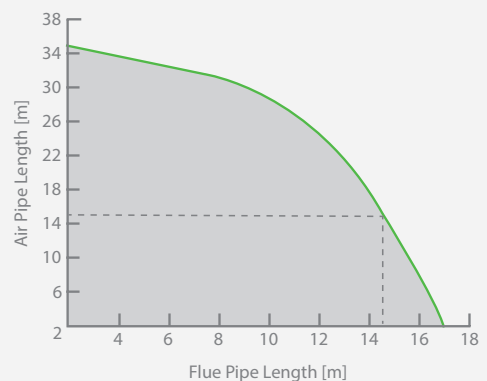
KESTON HEAT 45 - FLUE & AIR PIPE LENGTH



acceptable flue operating area

Graph indicates maximum flue run 21m with 2m air.
 Also, 15m flue with 15m air pipe for parallel twin flue run.

KESTON HEAT 55 - FLUE & AIR PIPE LENGTH



acceptable flue operating area

Graph indicates maximum flue run 17m with 2m air.
 Also, 14.5m flue with 14.5m air pipe for parallel twin flue run.