

Approval must be sought from the Firebird Technical Hub for any flue system that is not covered by this guide.

Flue Kits for Blue Supreme™ Boilers

A range of flue kits has been designed specifically for use with the Blue Supreme™ range of boilers. The flue kits are available for both low level and high level applications, in stainless steel or a white finish.

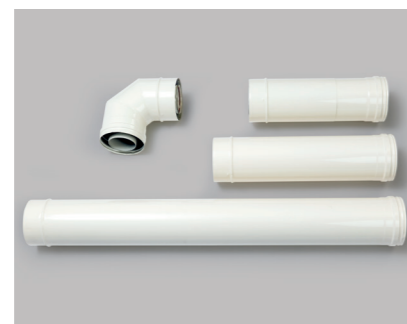
High Level Vertical Flue Kit

20-26kW
Maximum flue length 6 metres



High Level Horizontal Flue Kit

20-26kW
Maximum overall length must not exceed 6 metres



Top Outlet Low Level Flue Kit

20-26kW
Maximum flue length 1.5 metres



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Condensing Flue Kits

A Guide for Installing Plastic & Stainless Steel Condensing Flue Kits

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Condensing Flue Kits

A flue is a critical part of boiler installation and a necessary requirement to remove gases created during the combustion process. A correctly installed flue will also ensure the clean and efficient operation of the boiler, resulting in optimum boiler performance and a longer design life. An incorrect installation will result in the boiler warranty becoming invalid.

A

Low Level Horizontal Flue

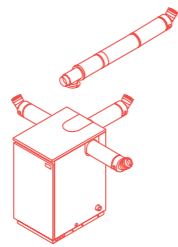
Plas-Fit 20-35kW

Maximum flue length 1.5 metres

Stainless Steel 12-73kW

Maximum flue length 1.5 metres

C100 must not be connected to a low level flue



B

High Level Horizontal Flue

Plas-Fit 12-35kW

Maximum overall length must not exceed 6 metres

Stainless Steel 12-35kW

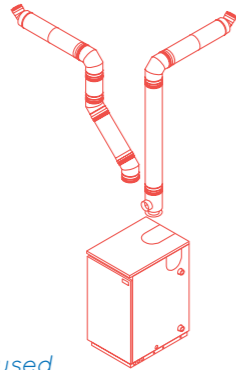
Maximum overall length must not exceed 6 metres

Stainless Steel 44-100kW

Maximum overall length must not exceed 4 metres

Deduct 1 metre for every 90° bend used

Deduct 0.5 metres for every 45° bend used

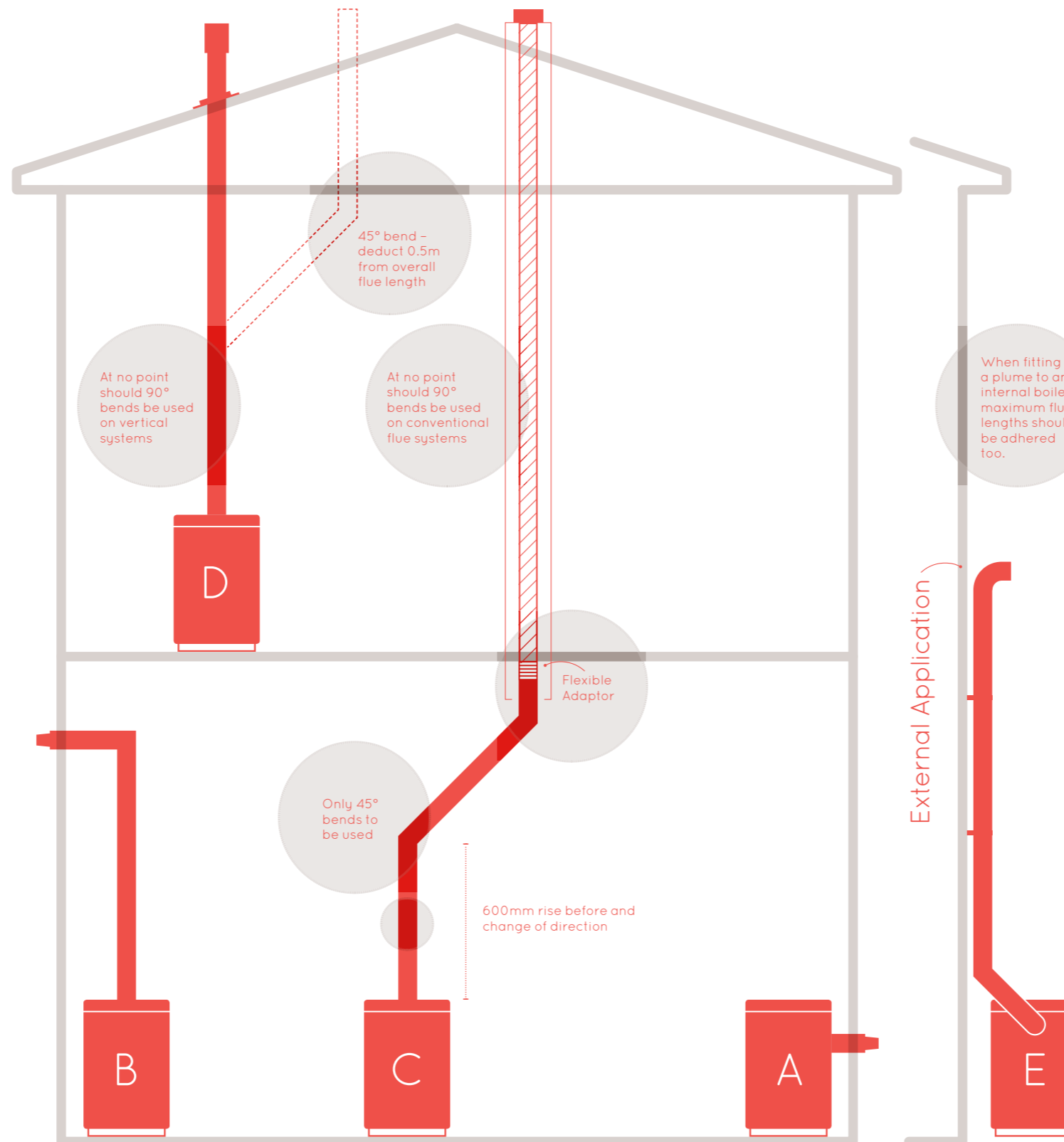
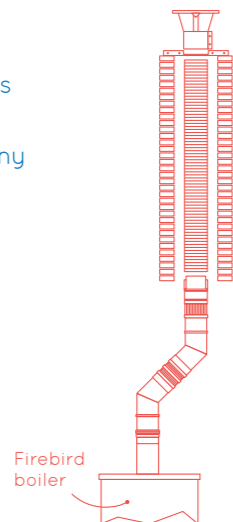


C

Conventional Flue

- Maximum flue length 20 metres
- Only 45° bends to be used
- 600mm rise required before any change in direction
- Maximum of 2 x 45° bends allowed on the system
- Flexible Adaptor must be fitted vertically

At no point should 90° bends be used on a Conventional Flue System



D

Vertical Balanced Flue

Plas-Fit 12-35kW

Maximum flue length 6 metres

Stainless Steel 12-35kW

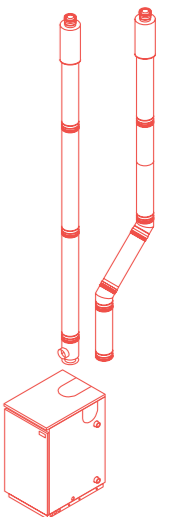
Maximum flue length 6 metres

Stainless Steel 44-100kW

Maximum flue length 4 metres

Deduct 0.5 metres for every 45° bend used

At no point should 90° bends be used on a Vertical Flue System



E

External Plume Dispersal Kits

Horizontal 12-73kW*

Maximum plume length must not exceed 1.5 metres

Vertical 12-35kW

Maximum plume length must not exceed 6 metres

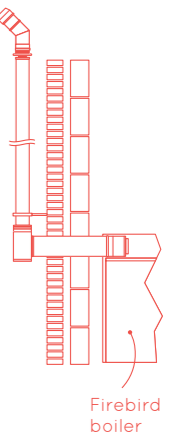
Vertical 44-73kW

Maximum plume length must not exceed 4 metres

- On external applications the appropriate Plume Kit must be fitted
- Plastic Plume Kits can be cut
- Stainless Steel Plume Kits should not be cut

*Deduct 1 metre for every 90° bend used.
Deduct 0.5 metres for every 45° bend used.*

When fitting a Plume Kit to an internal boiler, maximum flue lengths should be adhered to.



*Plas-Fit Flue Kits are suitable for use with Firebird boilers in outputs from 12kW to 35kW.