

Greenstar combi boiler range horizontal fluing options

The Greenstar combi boiler range have the choice of 2 differently sized horizontal RSF flue systems, a 100mm diameter telescopic flue kit including a plume management kit and a 125mm diameter kit. Both systems have different maximum lengths. Options 1 to 6 detail the permissible lengths.

Horizontal RS flue

Flue diameter	100mm	125mm
Greenstar i Junior and Greenstar Si series		
Minimum flue length	350mm*	250mm
Maximum flue length	4,500mm	13,000mm
Greenstar CDI series		
Minimum flue length	350mm*	250mm
Maximum flue length	27CDI 10,000mm	23,000mm
	30CDI 7,000mm	16,000mm
	37CDI 6,500mm	16,000mm
	42CDI 6,000mm	12,000mm

*Can be cut to 110mm. Please refer to instructions.

100mm dia. standard telescopic flue kit

Comprises:
1 x flue turret elbow
570mm (100mm dia.) of flue duct
1 x weather sealing ring
1 x internal collar

Part No. 7 716 191 082

125mm dia. standard flue kit

1 x flue turret elbow
1,030mm (125mm dia.) of flue duct including terminal (as measured from centre of flue outlet)
1 x weather sealing plate
1 x internal plate

Part No. 7 719 002 350

Accessories

Components	Part no.	Description
	7 716 191 082	100mm dia. standard telescopic flue kit
	7 716 191 083	100mm dia. extension flue kit (960mm*)
	7 736 191 153	100mm dia. short flue extension (220mm*)
	7 716 191 084	100mm dia. 90° bend
	7 736 191 085	100mm dia. 45° bend
	7 719 002 432	100mm dia. high level horizontal adaptor
	7 716 191 092	100mm dia. support bracket kit
	7 719 002 350	125mm dia. standard flue kit
	7 719 001 892	125mm dia. extension flue kit (960mm*)
	7 719 001 891	125mm dia. 90° bend
	7 719 001 899	125mm dia. 45° bend
	7 719 002 433	125mm dia. high level horizontal adaptor

*Dimensions when fitted

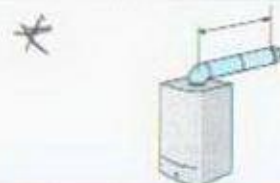
The following criteria should be noted when planning the installation.

• The concentric flue system must be inclined at 3° (50mm per metre) from the appliance, to allow condensate to drain back into the boiler.

• Because the appliance operates at high efficiency a white plume of condensation will be emitted from the terminal. Care must be taken when selecting the flue terminal position.

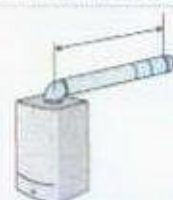
Condensfit II

Option 1 Standard horizontal flue assembly



Maximum length (mm)	Components required
Greenstar i Junior and Greenstar Si series	
100mm 570	1
125mm 1,030	1
Greenstar CDI series	
100mm 570	1
125mm 1,030	1

Option 2 Extension flue horizontal



Maximum length (mm)	Components required
Greenstar i Junior and Greenstar Si series	
100mm 4,500	1 up to 5
125mm 13,000	1 up to 12
Greenstar 27CDi	
100mm 10,000	1 up to 10
125mm 23,000	1 up to 22
Greenstar 30CDi	
100mm 7,000	1 up to 7
125mm 16,000	1 up to 15
Greenstar 37CDi	
100mm 6,500	1 up to 6
125mm 15,000	1 up to 15
Greenstar 42CDi	
100mm 6,000	1 up to 6
125mm 12,000	1 up to 11

Option 3 Extension flue horizontal using a second 90° bend



Maximum length (mm)	Components required
Greenstar i Junior and Greenstar Si series	
100mm 2,800	1 up to 3
125mm 11,000	1 up to 10
Greenstar 27CDi	
100mm 8,500	1 up to 8
125mm 21,000	1 up to 20
Greenstar 30CDi	
100mm 5,800	1 up to 5
125mm 14,000	1 up to 13
Greenstar 37CDi	
100mm 5,000	1 up to 5
125mm 14,000	1 up to 13
Greenstar 42CDi	
100mm 4,500	1 up to 4
125mm 10,000	1 up to 9

Notes: The short flue extension (100mm dia.) may be used as an alternative to the standard extension as required up to the maximum flue lengths stated (7 716 191 133).

Note: The maximum flue length must be reduced by the following amounts for each bend used.

	Greenstar i Junior & Si - all gas flues	Greenstar CDI 60/100mm flue	Greenstar CDI 90/125mm flue
45° bend	1m	0.75m	1m
90° bend	2m	1.5m	2m