

8300iW Series Flue Length Information

From	Our Reference	Tel.	Date
TT/SAU-ASA2	8300iW fluing	1300 307 037	August 2024

Information regarding fluing lengths for the 8300iW boilers

There is an increase in the maximum allowable flue length utilising 60/100 fluing for the 8300iW series boiler, compared to the previous 5000W series models.

This allows for longer flue designs using 60/100 sizing before having to upgrade to 80/125.

The installation manual provides comprehensive information on the sizing of the fluing to be installed and should be referred to for full information.

Calculating the length of a flue system

You can find an overview of the maximum permissible pipe lengths in each case alongside the individual flue gas routing types.

- **For every additional 87° elbow, reduce the permissible pipe length by 1.5m.**
- **For every additional elbow between 15° and 45°, reduce the permissible pipe length by 0.5m.**

Horizontal concentric flue systems

Allowed maximum length

GC8300iW 25kW System boiler

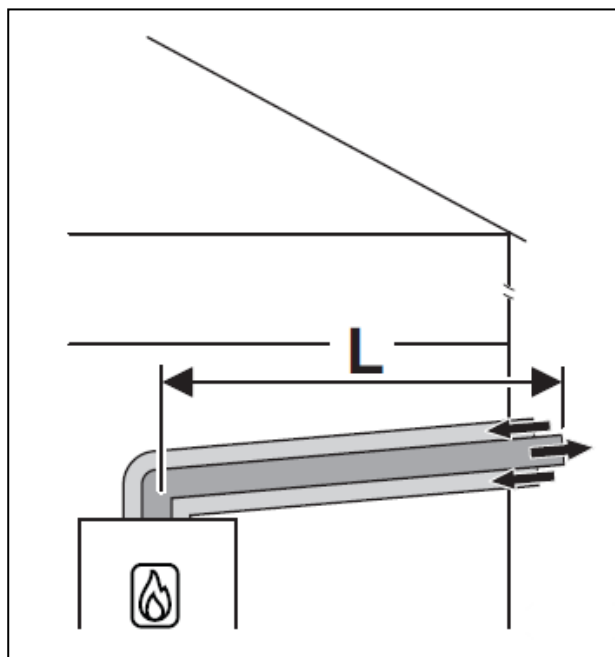
Accessory Ø (mm)	Maximum pipe length L (m)
Ø 60/100	15
Ø 80/125	25

GC8300iW 35kW System boiler

Accessory Ø (mm)	Maximum pipe length L (m)
Ø 60/100	10
Ø 80/125	29

GC8300iW 35/40kW Combi boiler

Accessory Ø (mm)	Maximum pipe length L (m)
Ø 60/100	11
Ø 80/125	35



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Vertical concentric flue systems

Allowed maximum length

GC8300iW 25kW System boiler

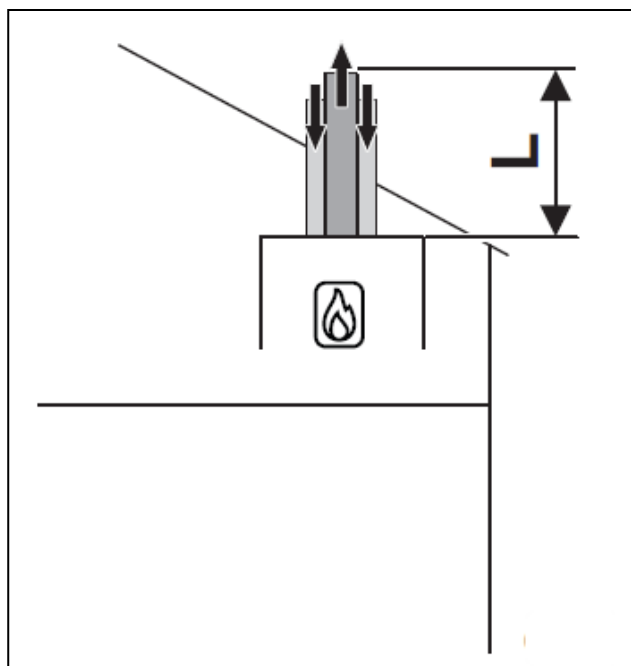
Accessory \varnothing (mm)	Maximum pipe length L (m)
\varnothing 60/100	20
\varnothing 80/125	25

GC8300iW 35kW System boiler

Accessory \varnothing (mm)	Maximum pipe length L (m)
\varnothing 60/100	14
\varnothing 80/125	29

GC8300iW 35/40kW Combi boiler

Accessory \varnothing (mm)	Maximum pipe length L (m)
\varnothing 60/100	15
\varnothing 80/125	35



Installation and user manuals can be downloaded from the Bosch Home Comfort website;

www.bosch-homecomfort.com/nz/en/residential/trade/installation-customer-manuals/