

Technical Bulletin

Product: Greenstar 1000 Combi NG

REVISED COMBUSTION DATA

The combustion data table in Greenstar 1000 Combi installation and servicing manuals has been updated to reduce the required minimum difference between Max and Min combustion readings.

This revised tolerance can be applied retrospectively to all Greenstar 1000 appliances

To ensure correct combustion throughout the entire modulation range of these appliances, it is important that the minimum CO₂ reading is always less than the maximum CO₂ reading.

The combustion data table has previously stated that CO₂ on minimum output must be at least between 0.5 lower than the maximum CO₂ reading.

This has now been amended to be between 0.2 & 0.8 lower than the maximum CO₂ reading (See fig 1)

LPG combustion data is included in the revised manuals. This will become relevant once LPG conversion kits become available.

Appliance combustion settings		
CO ₂ Reading	O ₂ Reading	CO Reading
Natural Gas - Maximum rated output ¹⁾		
Between 8.6% and 10.5%	5.6 - 2.2	<250ppm
Natural Gas - Minimum rated output ¹⁾		
0.2 - 0.8 lower than the maximum reading taken, but above 8.1%	<6.1	<250ppm

1) Measured 10 minutes after firing the appliance

Appliance combustion settings		
CO ₂ Reading	O ₂ Reading	CO Reading
LPG - Maximum rated output ¹⁾		
Between 9.8% and 10.6%	6.0 - 4.8	<250ppm
LPG - Minimum rated output ¹⁾		
0.2 - 0.8 lower than the maximum reading taken, but above 9.3%	<6.8	<250ppm

1) Measured 10 minutes after firing the appliance

Fig 1

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