

TI_2505: Adaptation of gas type natural gas with hydrogen contained



iCombi Pro / iCombi Classic gas unit



06/05/2025

Topic

In order to enable operation of our gas units (iCombi Pro/iCombi Classic) with a hydrogen addition of up to 20%, adjustments have been made to the software.

This new feature is included as of software LM100 17.3.32 & LM200 8.1.9.

When hydrogen is added, it is essential to measure the (oxygen content) O_2 value of the flue gases precisely as part of the specified flue gas analysis and to ensure that it corresponds to the specified guide values. Since the CO_2 values in this context do not apply as a permissible standard, the adjustment and check must be carried out solely on the basis of the O_2 values in order to ensure correct and standard-compliant flue gas adjustment.

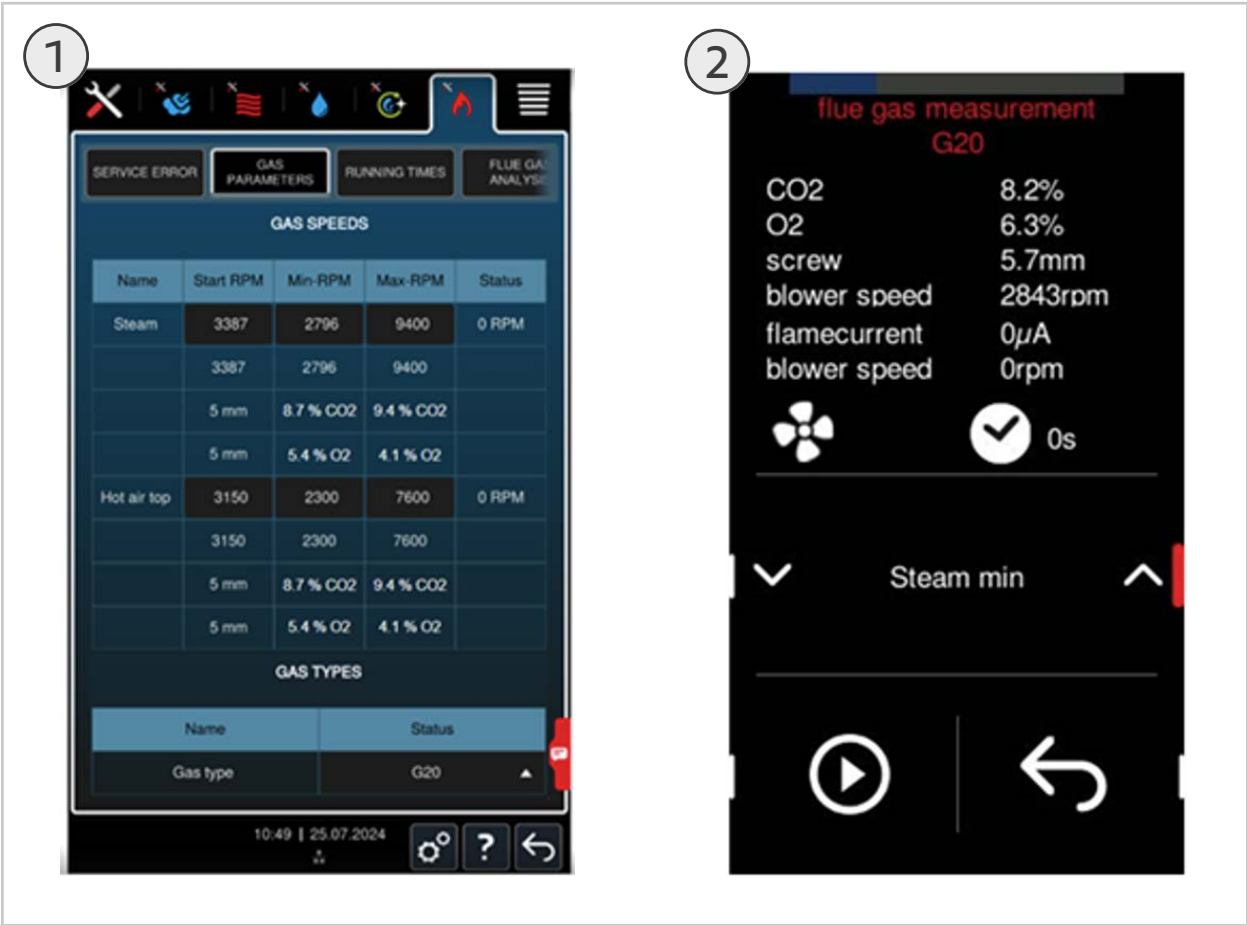
The required O_2 values can be viewed in the service level under "Tap" -> Gas -> Gas parameters and adjusted at the gas valve in the event of deviations.

Affected product/accessories

iCombi Pro / iCombi Classic Gas unit

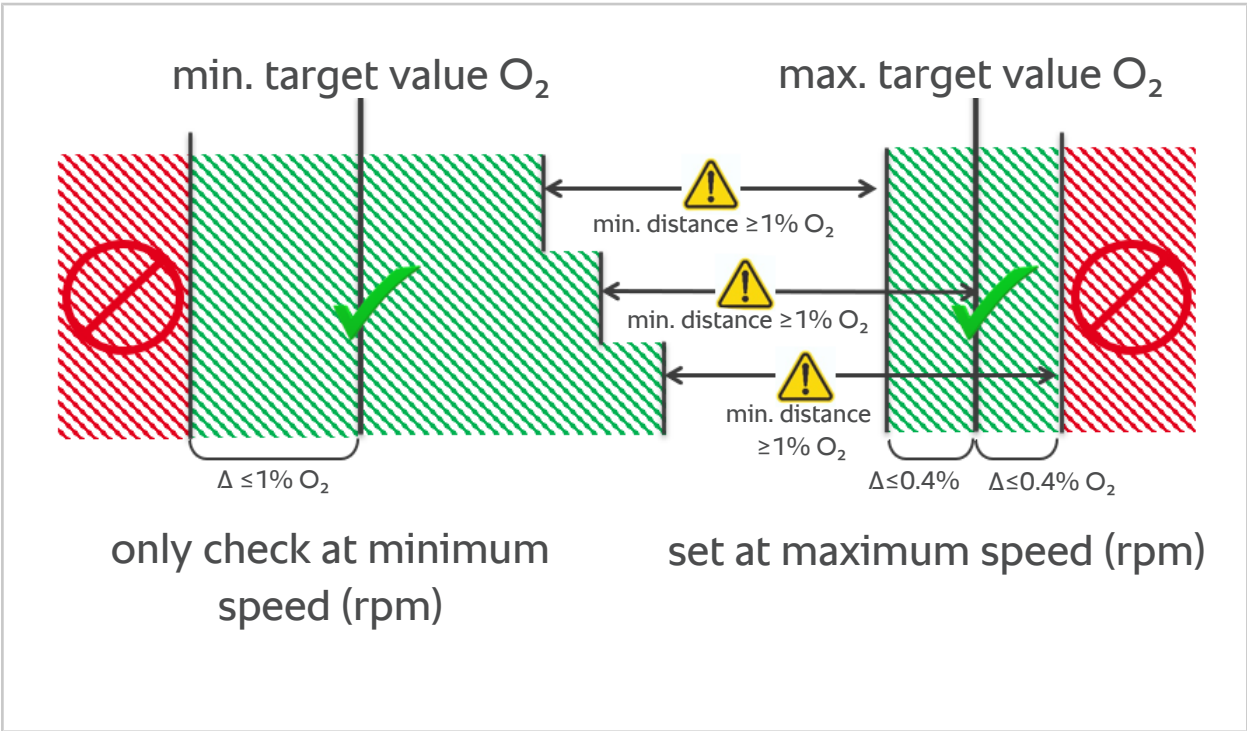
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- 20-2/1

iCombi Pro 1)/iCombi Classic 2) Gas parameters



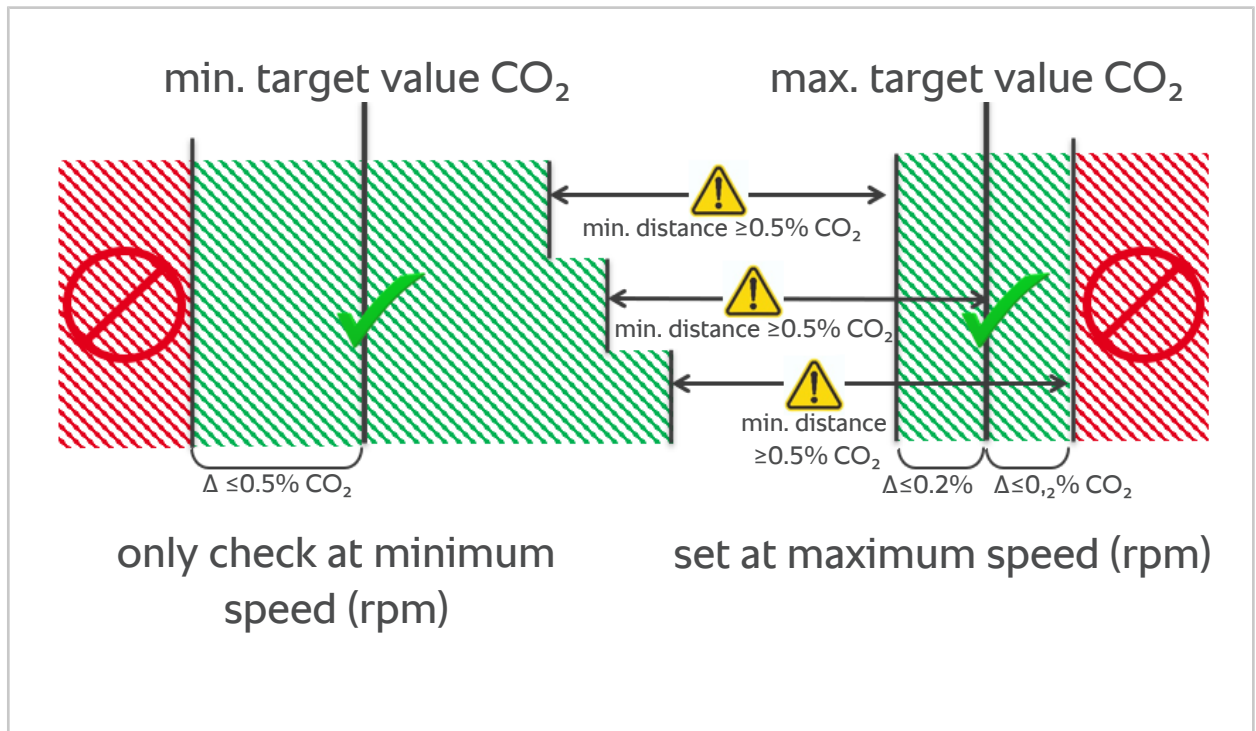
Maximum and minimum O₂ target values

The use of this slide chart with the O₂ specification values is mandatory for gases with hydrogen added. For other gas types, the use of this table is an optional measure.



Maximum and minimum CO₂ target values

The use of this slide chart with the CO₂ default values is only permitted for gases that do not have hydrogen added.



NOTE:

No further action is required.