Subject: Addendum to WE Gas units 102G and 202G Hot air Burner blower motor RPM adjustment

Date: February 12th, 2019

TO: ALL Service Technicians active in the repair of RATIONAL Gas Combi’s

On your next visit or service call to ANY SelfCookingCenter® WE type 102G or 202G built since 9/2011 please adjust Hot air burner blower RPM settings "Max" power

Reducing gas blower speeds with hot air heat exchangers 102/202 with gas types G30, G31(LPG types) and Natural Gas US:
In the production line the power was reduced for these gas types to give less power to the hot air heat exchangers starting in November 2018 with also new Co² values on 102/202.

Service technicians have to reduce the load on the heat exchangers 102/202 sent as a service part! (instructions included) And also on next visit to Any customer with a SH/SI/ MH/MI 102G or 202G type.

These below part numbers will have instructions shipped with them:
87.01.339 Hot air heat exchanger kit, complete SCC_WE, CM_P 202G
87.01.340 Hot air heat exchanger kit, complete SCC_WE, CM_P 102G

In case a service technician is on site at a unit like described above for other service reasons besides the heat exchanger, we recommend to change the gas blower speed settings to the reduced values and a flue gas analysis additionally checked for safety.

* Note: Check of manual gas blower settings.

PLEASE NOTE: The manual settings of gas blower rpm's can be overwritten by:
- calibration on gas units
- pressing the gas type button in-advertently.
- software updates (reported but not confirmed or verified)
- Selftest (in this case it is necessary as the unit is adapted to installation conditions)
- Recovery file repair of SD card info, or SD card replacement (Service 17 error repair)

Before one of those processes:
The manual changed data must be noted (e.g. by a photo). (Note not possible for Recovery or SD card repair of Service 17)

After one of those processes:
Confirm at the conclusions of the above mentioned before completion of the call.
Changed speeds of the gas blower must be checked and may need to be adjusted again. Using the below noted method, you can make sure that the correct values will be set.

Note: this is not a proactive measure, thus do not specifically run calls for this change and its adjustments.
This applies for unit sizes 102G or 202G manufactured since 9/2011 you must reduce the gas blower speed.

$\text{CO}_2$ values remain as given in basic settings. (US Natural gas, LPG 3P) Proceed as follows:

› SCC: In service menu > Basic settings > Gas system > gas blower settings (see pictures below for

Quick reference.

Enter Password

"TECLEVEL"

Select Basic Settings

Select Gassystem

Once in Gas Settings “Adjust” values as shown below highlighted in yellow (102G only one blower to adjust) down to the minimum values for that Gas type...

Once adjusted down to lowest Rpm setting or as low as it allows for Hot Air “Max” power.

Use Return button and exit this screen, save data by turning unit off for 3 seconds and back on...

Note: Ensure to “check” values after on-off-on sequence to ensure RPM values saved.

Once this is completed, do a Flue gas analysis to verify “Max” values are still in their range and also that $\text{CO}$ values are under 150 ppm and safe for operation. Document values on your service report.

Once RPM’s Set and confirmed do NOT touch Gas Type button! as reset of RPM values is possible.

Online web Video of Gas Adjustment procedure

› CombiMaster® Plus MH or MI type
102G & 202G, DIP switch 1: set to “on”

- Reduce gas blower speed for Hot Air (top and bottom) for MAX RPM to the lowest possible value, which is approximately 500-800 rpm below the factory settings. See pictures below.

- Switch unit off and then on, to store the new value(s).

- Perform a mandatory flue gas analysis after on off cycle of unit.

  Verify Co² values to gas type (See Function test screen for values, US Natural gas setting, LPG setting G31), and CO values are under 150 ppm. Document values on your service report.

  For detailed procedure of flue gas analysis follow your training notes and refer to Training Manual Gas. This manual can also be downloaded from the RATIONAL portal with sign on.