

Air calibration procedure

DucoBox Silent 2.0

NEW SIMPLIFIED
CALIBRATION
PROCEDURE!

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The **DucoBox Silent 2.0** is the updated version of the DucoBox Silent with a simplified air calibration procedure and an integrated central humidity sensor. This quick start guide will help you calibrate the device step by step.

1. Default settings

The DucoBox Silent 2.0 has a capacity of 400 m³/h at 150 Pa. There are 10 pre-programmed calibration curves, as shown in the graph. The DucoBox Silent 2.0 is set to curve 5 as standard, which corresponds to 200 m³/h at 150 Pa.

2. Calibration

- Set the DucoBox Silent in calibration mode by pressing 3 seconds simultaneously on Δ and ∇ . The LED next to 'INST' starts flashing. The calibration mode is now activated for 30 minutes.
- By default, the LED next to 'HIGH' lights up: the 'HIGH' calibration mode is selected. Adjust the desired calibration mode by briefly pressing Δ and ∇ when the calibration mode is activated. The LED next to 'HIGH' indicates the calibration mode.

LED 'HIGH'	On (green)	Off
Button	Air calibration using 'HIGH'	Air calibration using 'LOW'
	This method is standard and has the lowest consumption. Recommended in the majority of homes.	This method offers a boost mode but may give rise to more noise and higher consumption.
	Low mode (10 %)	Low mode (14–33 %)
	Medium mode (50 %)	High mode (100 %)
	High mode (100 %)	Boost mode (143–333 %)

The percentages in the table indicate what percentage of the set flow rate will be extracted. The selected calibration mode does not affect the operation of the AUTO mode.

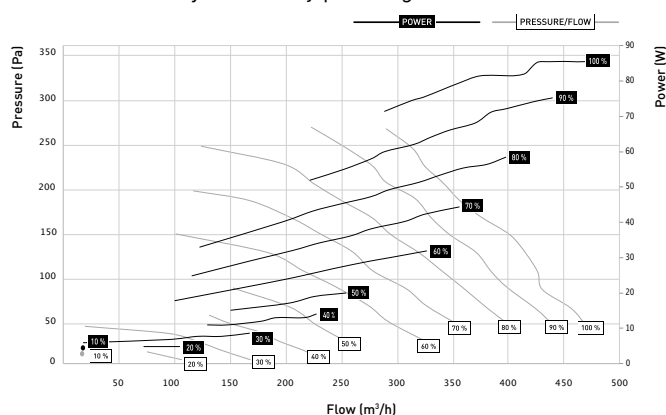
- There are 10 pre-programmed calibration curves. The LED next to 'INST' flashes yellow according to the number of the set calibration curve (from 1 to 10 times). Example: 4 x flashing with an interval corresponds to calibration curve 4 (R4).
- Close the lid of the DucoBox.
- Choose the duct with the highest flow rate and the highest resistance.
- Measure the vent and adjust the speed of the DucoBox until the desired flow rate is achieved. This can be done in two ways:
 - Using the (higher) and (lower) buttons on a paired User Controller or Room Sensor*.
 - Using the buttons Δ and ∇ in the DucoBox. To do this, the lid must be temporarily removed. **Always close the lid between measurements.**

- Now measure the other vents. **The flow rate of these other vents may only be adjusted on the vents themselves.**
- Repeat steps 5 and 6 until the desired flow rate is achieved on each vent.
- Exit the calibration mode. This can be done in two ways:
 - Press and hold 'AUTO' on a paired User Controller or Room Sensor* until the 4 LEDs light up white briefly and then turn yellow again.
 - Press in the DucoBox and then immediately close the lid of the DucoBox. If the lid was not closed, you can pull the plug out of the power socket for a few seconds after closing the lid in order to reboot the DucoBox.

The DucoBox will now perform a calibration by temporarily running at high speed. This can take up to 1.5 minutes. Calibration is complete when the DucoBox slows down, the LEDs of the 'AUTO'-button on the User Controllers / Room Sensors turn white, and the LED on the DucoBox turns white.

3. Adjusting the setting value of the internal humidity sensor

- Make sure that the DucoBox is not in 'Installer mode' (the LED next to 'INST' is not flashing).
- Simultaneously press and hold the buttons Δ , $\square$ and ∇ until the LED next to 'INST' flashes blue several times.
- By default, the LED flashes 8 times, which corresponds to a threshold value of 80 % relative humidity. You can adjust the threshold value (each press corresponds to an adjustment of 10 %):
 - increase by pressing Δ (up to a maximum of 90 %).
 - decrease by pressing ∇ (to a minimum of 30 %).
- Confirm the adjustment by pressing $\square$.



* Depending on the software version of the User Controller.