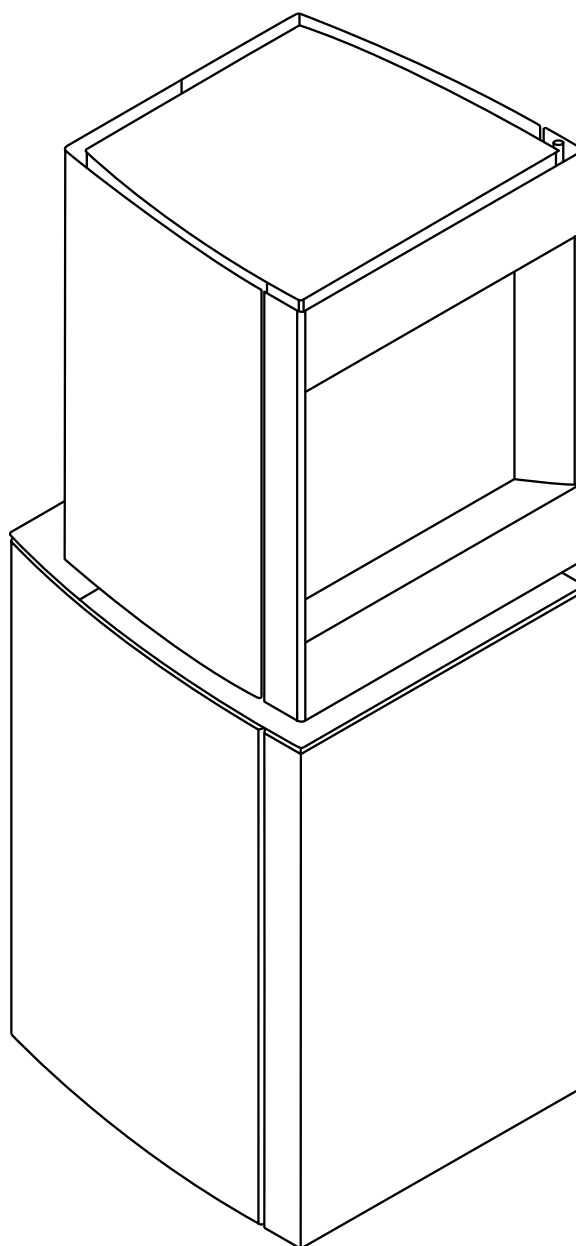


Maintenance manual s[P10]



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Collecting information

1. Check the operating hours

On the installer control, open the “Service” menu and note:

- the total operating hours;
- the date on which the stove reached 100 hours of use;
- the number of hours since the last service;
- the number of starts.

Then calculate the average operating time since the last service:

Number of operating hours	= Average operating time (this should be between 2 and 23 hours)
Number of starts	

1. Read the alarm messages

On the installer control, open the “Enregistrement” menu and note the alarm messages. Select each message to display its details. They show the date and time of the error, the operating phase concerned and the time spent in that phase before the error.

Link each consequence to its cause. Then explain to your customer how to adapt their use of the stove.

1. Check the software version

Motherboard

When you power up the installer control, read the software version during the restart. It appears on the first information line, below the Stûv logo.

We recommend the following versions:

Stove version	Software version
sP10.1	P10S-001-036
sP10.2	P10S-002-136
sP10.3	P10S-003-137
sP10.3 Hybrid	P10S-003-136

If the software is not up to date, update it following [the dedicated procedure](#).

Communication board (not required for the sP10.1)

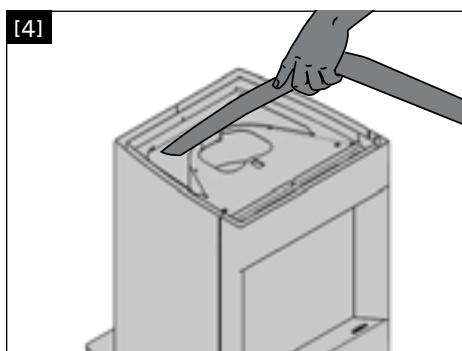
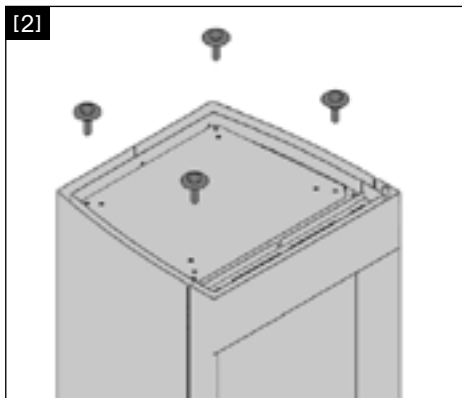
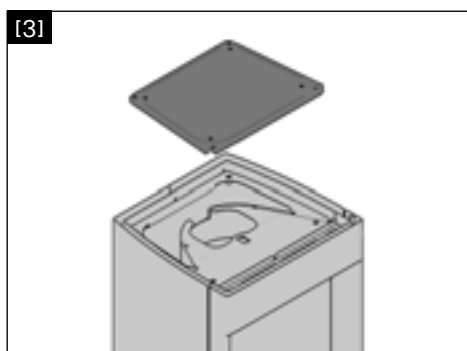
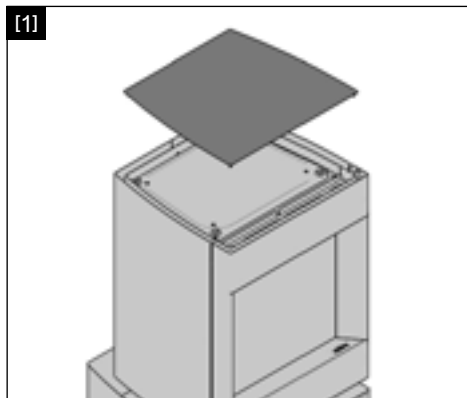
Check its version in the app settings or on the remote control. We recommend version 5.1.2 or later.

1. If the stove is connected to the network, restart the board: disconnect its power supply, then reconnect it. Note: the app on the user's smartphone prompts them to start the update. No update is needed for the remote control or the simplified display.
2. A board older than version 4.6.0 no longer receives updates. Replace it.

The remote control and the simplified display of the sP10.3 and sP10.3 Hybrid are optional for this operation.

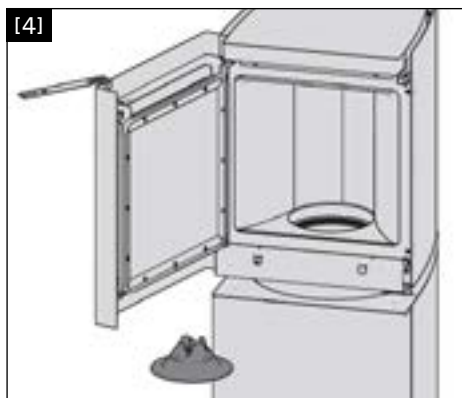
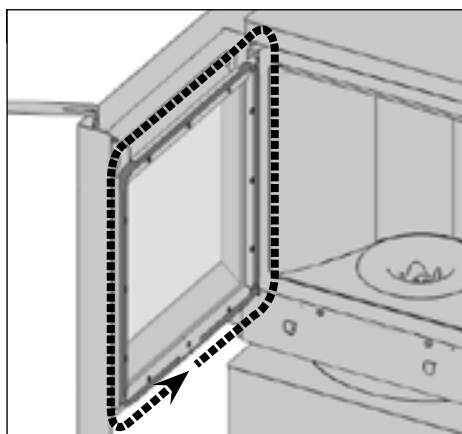
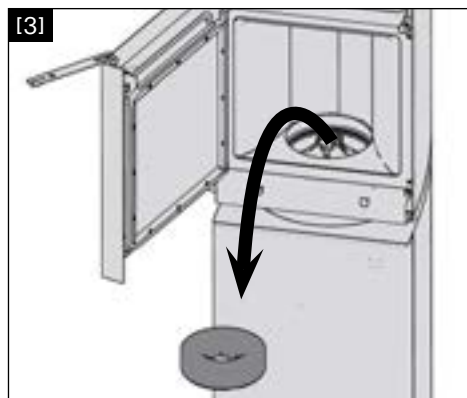
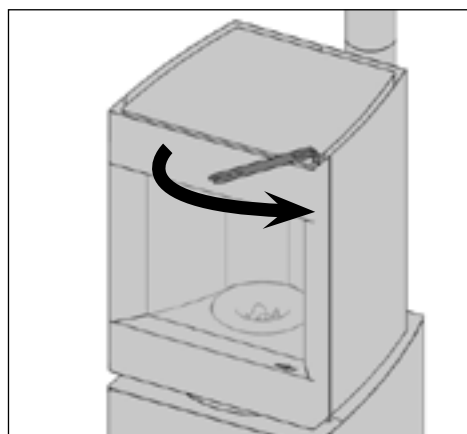
Cleaning

1. Heat exchanger and deflector



1. Remove the top plate (diagram 1).
2. Using a 10 mm hex wrench, unscrew the four M6 screws that hold the heat exchanger hatch (diagram 2).
3. Remove the hatch and clean it. Check the heat exchanger hatch seals and the safety valve seal (diagram 3). Replace them if necessary.
4. Through the front opening, vacuum the ash deposits off the vermiculite deflector.
5. Through the rear area (horseshoe-shaped), scrape off the residue stuck to the walls, then vacuum everything (diagram 4).
6. Grease the threads of the four heat exchanger hatch fixings.
7. Put the top plate back in place.

1. Combustion chamber

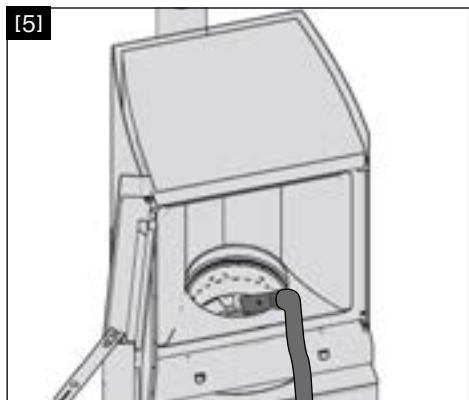


Door and glass:

1. Open the swivel head door (diagram 1).
2. Clean the glass and check the door seal (diagram 2).

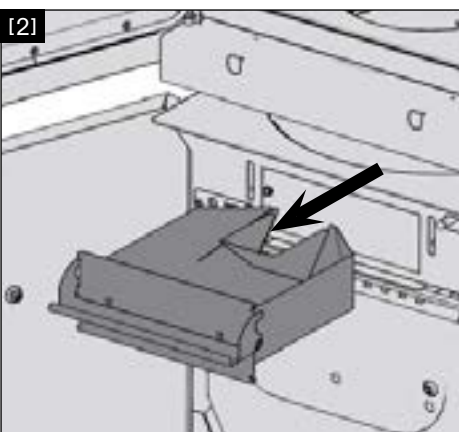
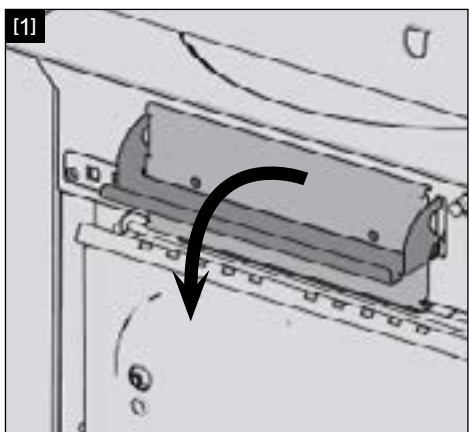
Inside the chamber:

1. Brush the vermiculite panels.
2. Clean the front of the deflector and the upper front part of the chamber.
3. Lift the vermiculite panels. Remove the build-up on the walls and under the cast-iron hearth base.
4. Remove the vermiculite rings and the flame shaper, then clean them (diagrams 3 and 4).
5. Check the condition of these wear parts:
 - the flame shaper still has the disc in its centre, and the base of the cone remains flat;
 - the vermiculite ring remains in one piece.
6. Scrape off any scale at the outlet of the auger 2 tube.



7. Brush and vacuum the peripheral air injection holes, the igniter tube and the ash grate (diagram 5).

2. Ash pan

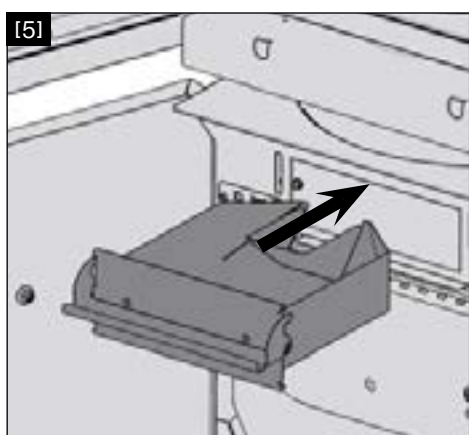
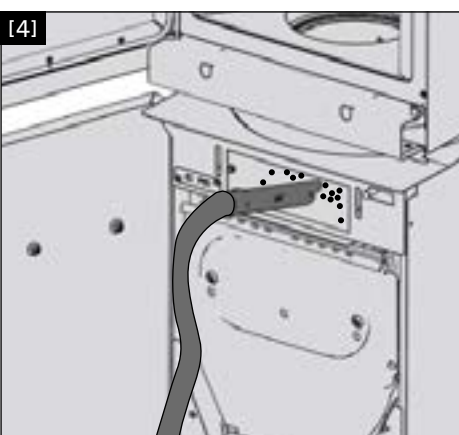
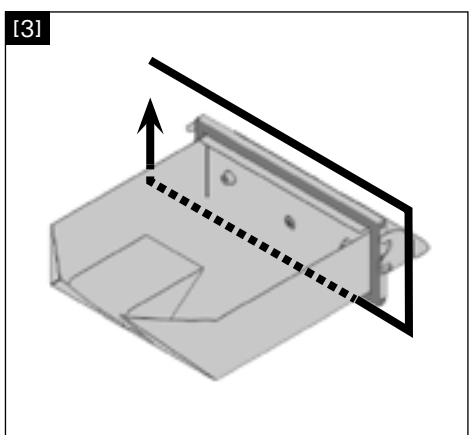


1. Slide out the ash pan (diagram 2), empty it and inspect the perimeter seal (diagram 3).

2. Vacuum the ash from the sloping part of the cavity floor (diagram 4). Advise your customer to repeat this regularly.

3. Using a brush and the vacuum cleaner, clean the primary air holes in the ceiling of the cavity.

4. Put the ash pan back in place (diagram 5).



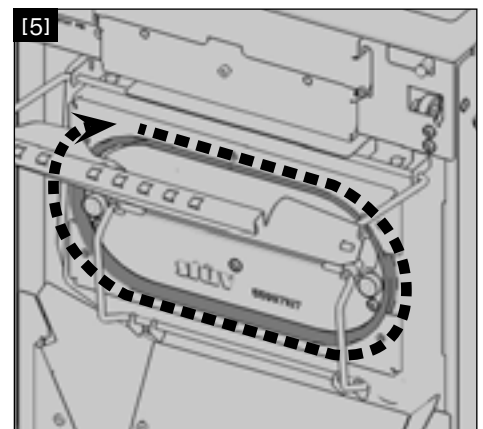
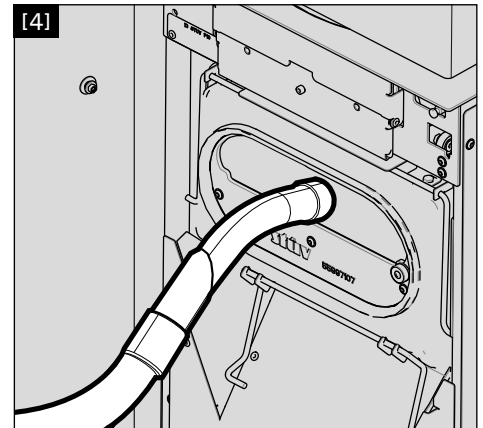
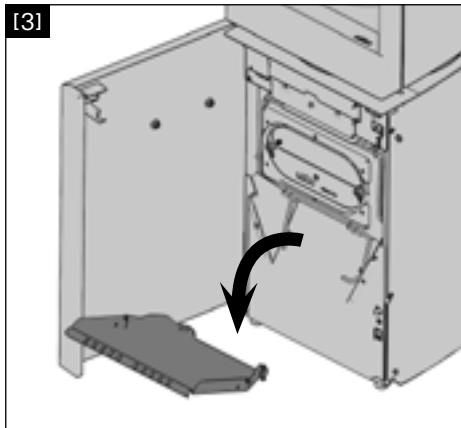
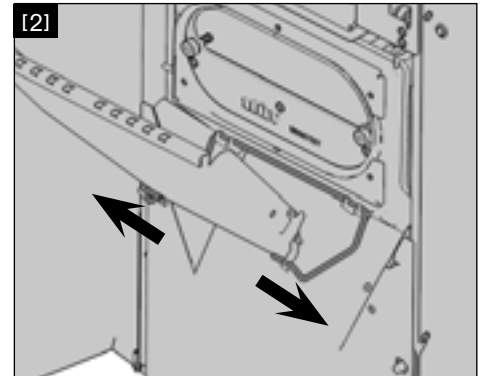
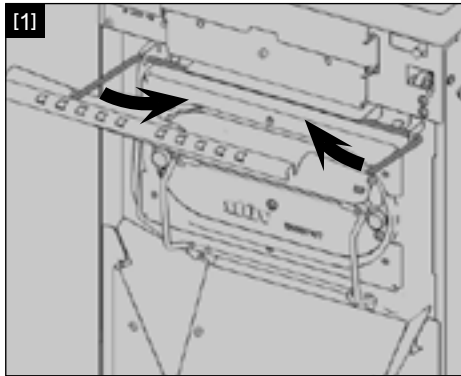
3. Pellet reservoir

The sP10 draws pellets from the bottom of the reservoir. During the service, remove any build-up of wood dust or sawdust.

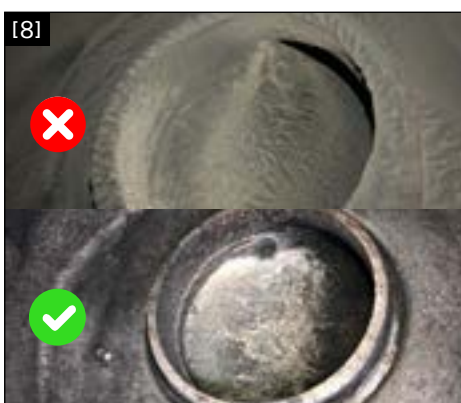
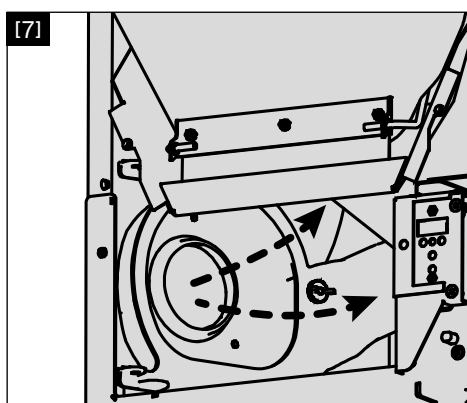
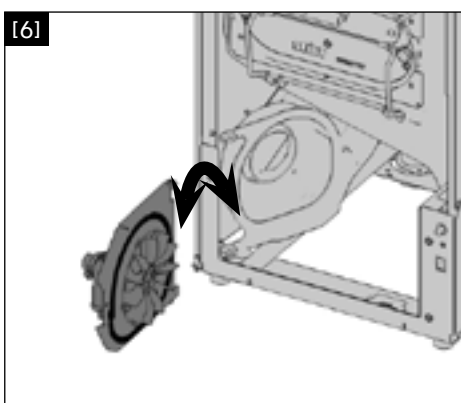
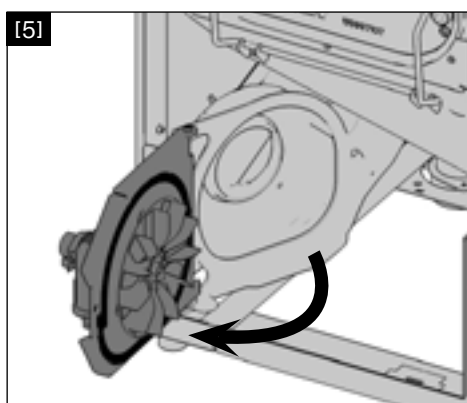
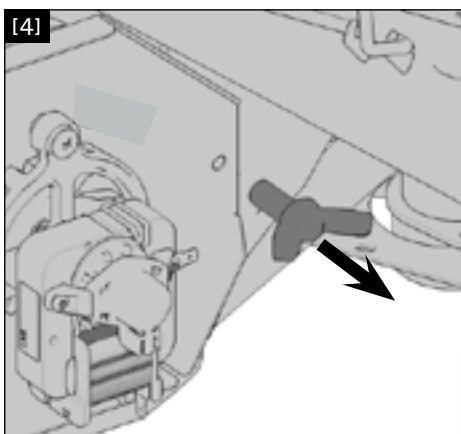
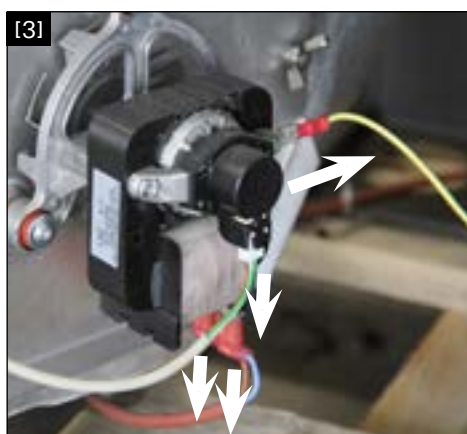
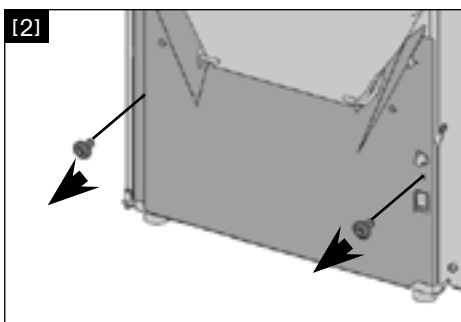
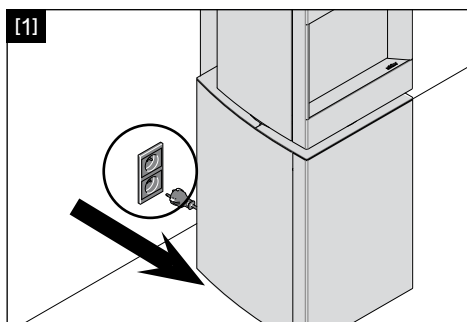
Do not use the white plug at the foot of auger 1: it must stay in place, as it keeps the reservoir airtight.

We recommend the following method:

1. Unclip the filling hopper (diagrams 1 to 3).
2. Insert the vacuum cleaner hose through the filling opening and clear the bottom of the reservoir (diagram 4).
3. Check that the filling hopper seal is intact and correctly seated (diagram 5).



4. Flue gas extractor



If not already done:

1. Disconnect the stove's power supply (diagram 1).
2. Remove the extractor access cover by undoing the two M5 button-head screws with a Torx T25 key (diagram 2).
3. Disconnect the extractor cables (diagram 3):
 - the earth wire;
 - the speed sensor cable: lift the locking tab with a small tool to unclip the connector. Observe its orientation when reassembling;
 - the two power wires: they fit either way round, as the connection has no polarity.
4. Release the wing screw at the back (diagram 4).
5. Open the hatch, take out the extractor with its flange and clean the impeller (diagrams 5 and 6). Check that the extractor seal still seals properly.
6. Using a flue brush, clean the two flue ducts (diagram 7):
 - the vertical duct, which rises to the heat exchanger;
 - the horizontal duct, which leads to the flue.
7. Vacuum the whole cavity. From inside the central opening, clean the vacuum measuring nozzle to avoid measurement errors (diagram 8).
 - ⚠ Take care to keep the silicone tube intact.
8. Grease the M6 thread that takes the extractor fixing screw.

Reassembly, calibration and checks

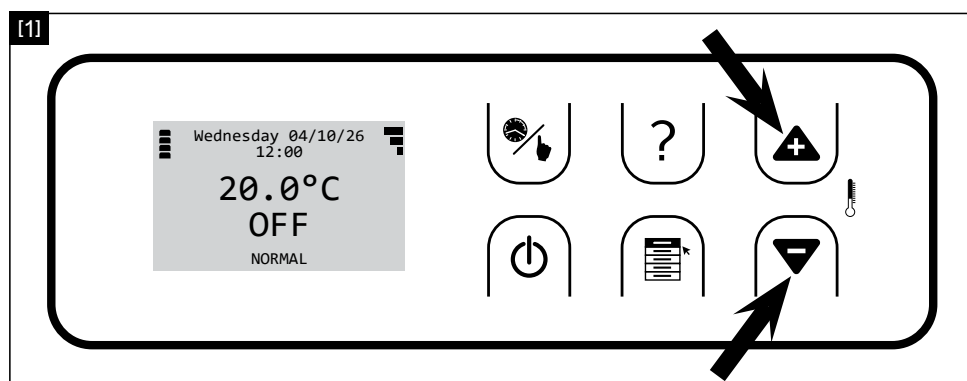
1. Reassembly

Reassembly is the right time to have the flue swept, if necessary.

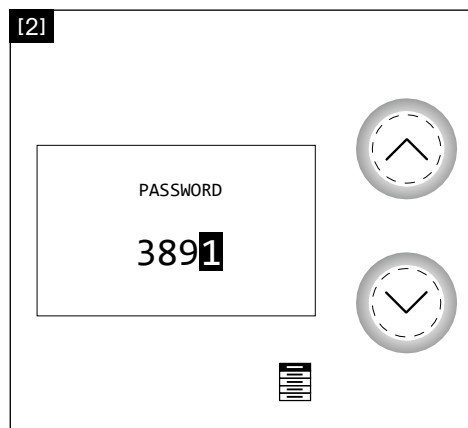
Put all parts back in place, making sure they are airtight. Tighten the screws moderately. The four fixing screws of the heat exchanger hatch are the exception: tighten them so that they seal properly against the swivel head.

2. Calibrating the flue gas temperature probe

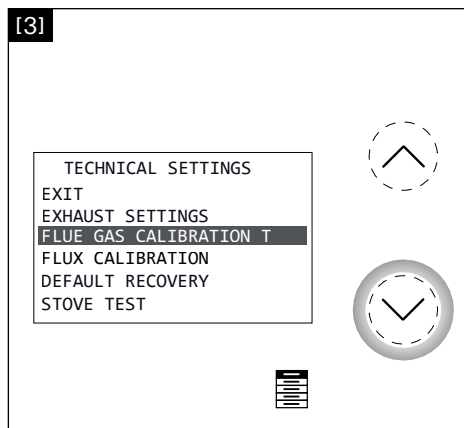
⚠ Wait at least 2 hours after the stove has been switched off before calibrating the probe. Respect this cooling time before following the steps below.



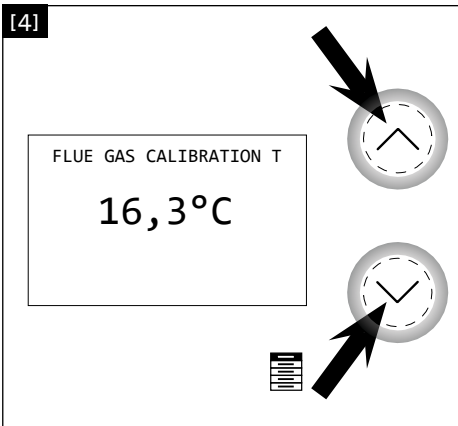
1. Take the sP10 installer remote control.
2. Open the "Technical settings" menu: simultaneously press and hold the keys and (diagram 1).



3. Enter code 3891. Choose each digit with and , then move to the next digit with a short press on the menu key . Confirm the code with a long press on the menu key (diagram 2).
4. Select "Flue gas calibration T" and confirm with the menu key (diagram 3).

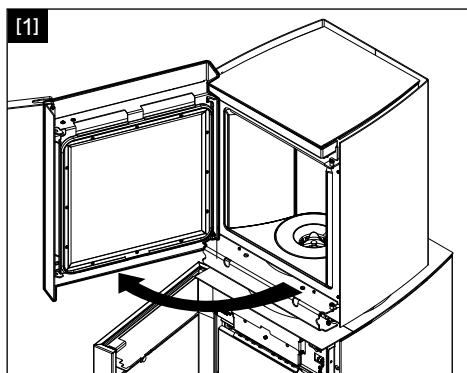


5. In the "Flue gas calibration T" screen, simultaneously press and (diagram 4). The stove reconfigures the flue gas temperature sensor. The operation is complete when the screen shows "DONE".
6. Confirm with the menu key to return to the technical parameters.

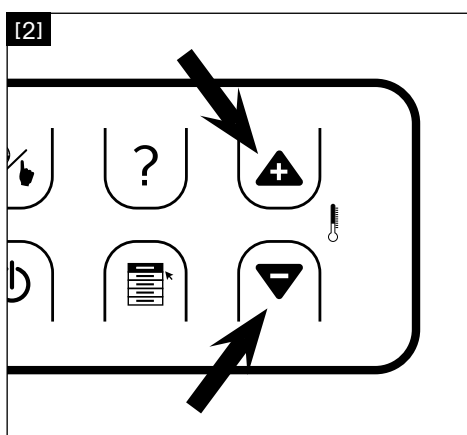


3. Calibrating the flow

⚠ Carry out the calibration on a switched-off stove with the fan at a standstill. Disconnect or block any outside air supply for the whole duration of the adjustment.

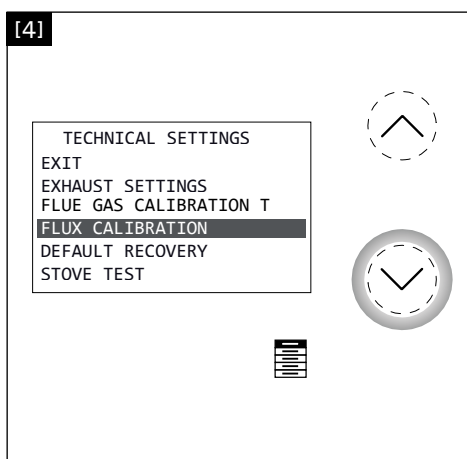
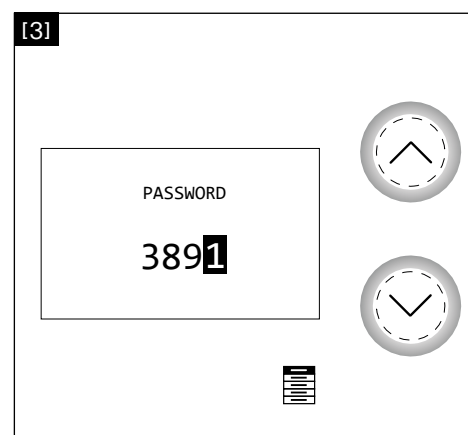


1. Open the sP10 door and leave it open for the whole operation. This avoids any stray air movement in the flow sensor section, which would distort the calibration.

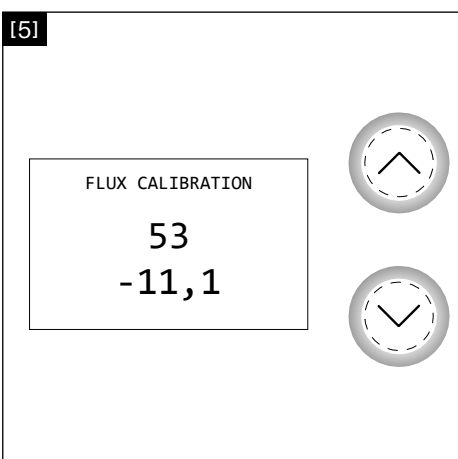


2. Take the sP10 installer remote control.

3. Open the "Technical settings" menu by simultaneously pressing and holding the keys and and enter code 3891, as for the probe calibration (diagrams 2 and 3).

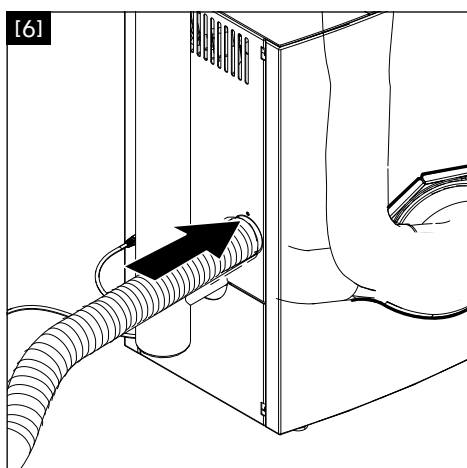


4. Select "Flux calibration" and confirm with the menu key (diagram 4).



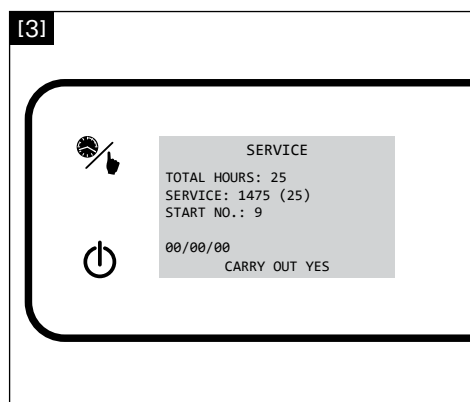
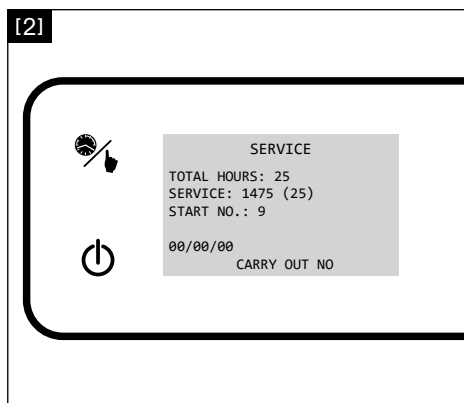
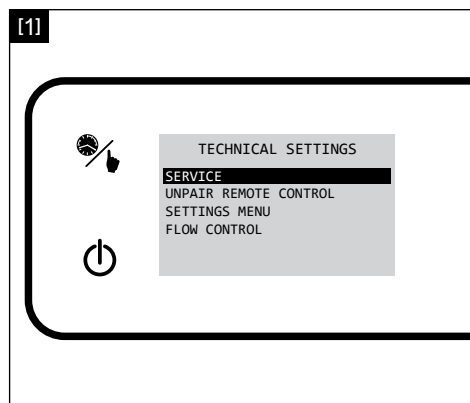
5. Read the value displayed. The stove is perfectly calibrated at a value of 100. A value between 98 and 102 is acceptable and ensures correct operation.

6. For any other value (diagram 5), start a recalibration: simultaneously press and hold and . The stove reconfigures the flow sensor and completes the operation automatically. The "DONE" message confirms that the operation is complete.



7. ⚠ Return the stove to its initial state: reconnect the outside air supply (diagram 6) and close the door. You can then switch the stove on with the key .

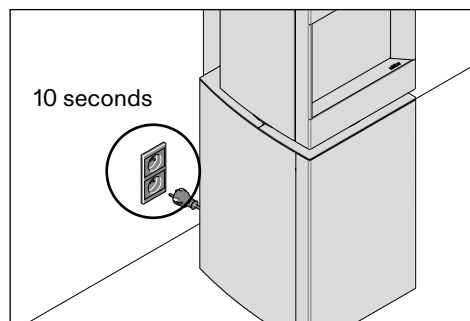
4. Resetting the hour counter



Reset the hour counter at every service.

1. Open the "Service" menu with the menu key .
2. Move from one screen to the next with the arrow keys.
3. Find the text at the bottom of the screen:
 - "Carry out no": leaving the menu changes nothing;
 - "Carry out yes": the counter of operating hours remaining before the next service is reset to zero.
4. Exit the menu  with a long press on the menu key.
5. Reopen the "Service" menu and check that the hours show 0.

5. Resetting the boards



Restart the boards: cut the stove's power supply for about ten seconds, then reconnect it.

This forces the data to be sent to the app.

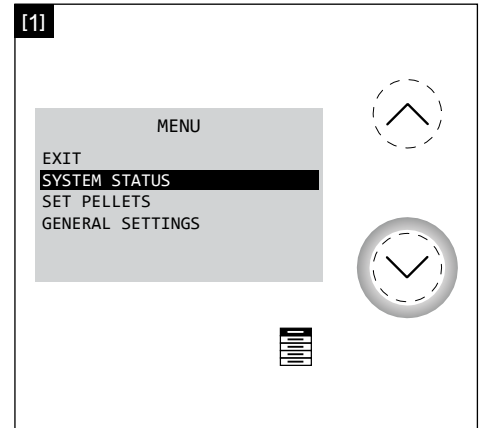
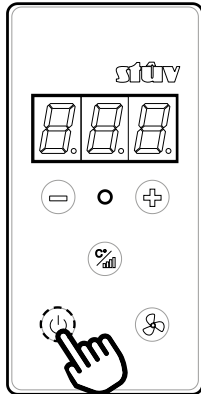
Final check

1. Start-up and reading the values

Once the restart is complete, start the stove to check that everything is in order.

We recommend starting it with the ON/OFF button on the appliance: hold it down for about three seconds.

Beforehand, display the probe values in real time on the installer display: press the menu key , then select "Status system".



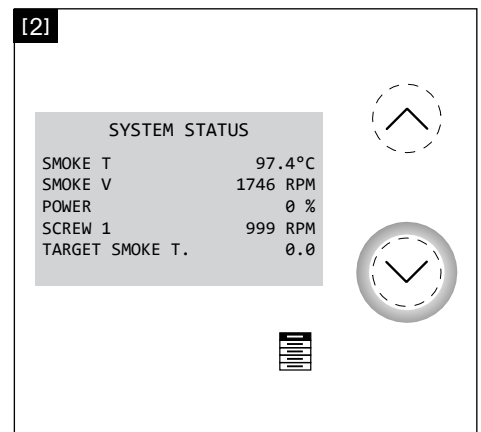
1.1. Check the flow value

When the extractor starts, you will hear the safety pressure switch close, at an extractor speed of 500 rpm maximum. During the loading phase, the extractor then stabilises at 1700 rpm.

The first 3 minutes of this phase are the only moment when you can check the overall airtightness of the stove. Press the menu key, select "Status system", then display the second page with the arrow keys to read the flow value (diagram 3).

The ideal value is above 230.

Flow value	Action
Below 200	There is a problem to be identified.
Between 200 and 215	Find the seal that needs replacing.
Between 215 and 230	Value to monitor. Plan to replace a seal at the next service.

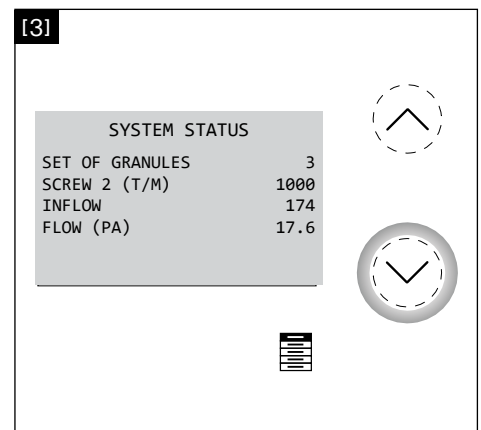


1.2. Check the auger speed

During the loading phase, the two auger motors run at about 2900 rpm (± 50 rpm).

To prevent a flame from forming, switch the stove off before the end of the loading phase. Press the menu key, select "Status system" and read the speed of augers 1 and 2 with the arrow keys (diagrams 2 and 3).

Then disconnect the installer display. The stove is ready until the next service.



Contacts

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in Belgium by:

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www.stuv.com

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