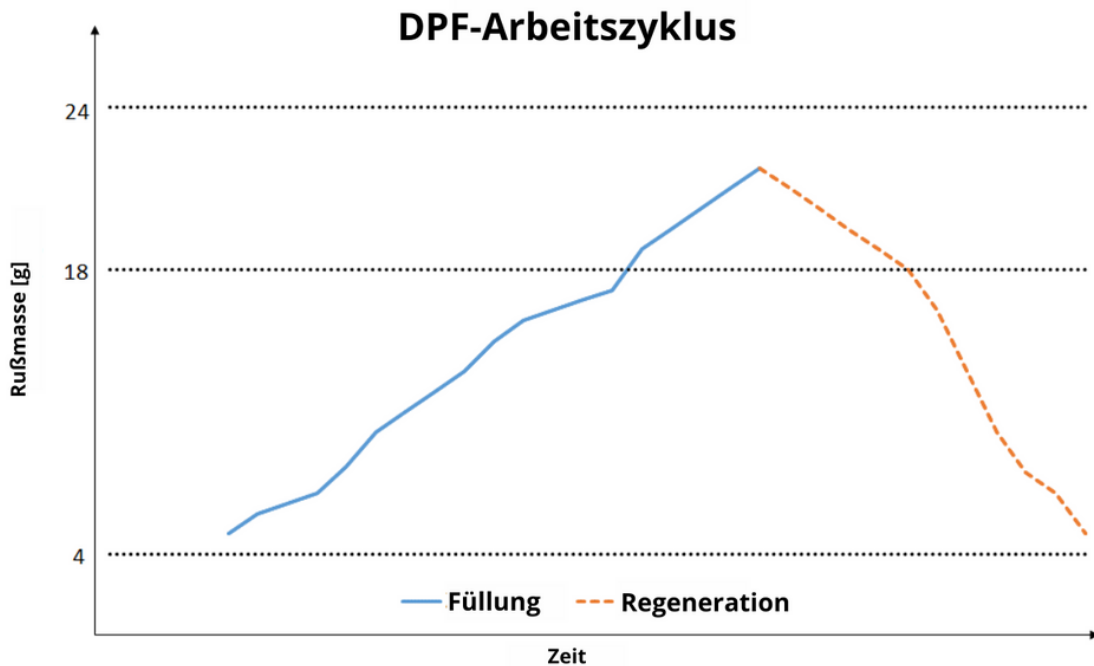


USER MANUAL DPF CONTROL

1. Theoretical Introduction

Figure 1: Diagram showing the working cycle of the DPF.



The diagram above shows the working cycle of the diesel particulate filter (DPF). It can be divided into two phases: the filling phase and the regeneration phase. The duration of the filling phase is influenced by several factors, including:

- Driving style (short or long trips)
- Condition of the DPF
- Type of engine control unit (ECU)

This phase can last between 200 and 600 km.

Regeneration starts as soon as the engine control unit detects that the soot mass in the filter has reached a certain threshold and all necessary conditions are met (e.g. sufficient engine temperature). In most vehicles, this value is between 18 and 24 grams.

Once these conditions are met, the control unit starts regenerating the DPF. This process usually takes about 25 minutes and ends when the soot mass has been reduced to about 5-7 grams. However, the calculated soot mass never reaches 0 grams.

2. Operating Instructions

With DPF Control you have full control over the regeneration process of your diesel particulate filter.

Device installation

- 1 Plug the device into the vehicle's OBD socket (usually near the driver's left knee, marked in purple).
- 2 Mount the LED indicator in a clearly visible place in the vehicle.

- 3 The device may remain connected permanently, as it is powered only when the ignition is on.

Device signals

Acoustic and visual signals during operation:

- A short beep - indicates that the device is active after switching on the ignition (LED flashes once).
- Short beeps for about two seconds - start of DPF regeneration (LED lights continuously).
- Three medium-length beeps - end of DPF regeneration (LED turns off).

Additional functions (ignition on - IG ON):

- Press the button once: Provides information about the current soot amount in the DPF via acoustic signals and the LED indicator.
- 1 beep + 1 LED flash = 1 gram of soot
- Press and hold the button:
 - First short beep - Clears all fault codes from the vehicle control units (confirmed by a long beep and the LED flashes once).
 - Second short beep - Activates "silent mode" (no acoustic signals, LED only).
Deactivating "silent mode": Press and hold the button again until the second short beep is heard.

3. Frequently Reported Problems

1. "The device does not emit any beeps"

- Check the LED: If it lights up but the device makes no sound, press and hold the button until you hear the second short beep.
- If the problem persists, contact us or send the device in with the return/complaint form.

2. "The device does not show the soot mass"

- Due to the wide variety of vehicles, engines and control units, the device may not be compatible with all models. If your device does not display the soot mass, it will also not signal DPF regeneration.
- Fill out the complaint/return form and send the device back. If we can solve the problem, you will be informed promptly.

3. "The device does not report regeneration"

- Cause: same as in item 2.
- Follow the same return steps.

4. "The device signals the start of regeneration, but not the end"

- In some vehicles, "false regenerations" can occur - the device signals the start, but not the end.
- If no end signal occurs after 25 minutes, check the soot mass in the DPF:
- If the soot mass decreases (e.g. from 10 to 9 grams), regeneration continues correctly.
- If the soot mass stays the same or increases, it is a false regeneration.
- If a false regeneration is detected, fill out the complaint form and send the device back.

5. "The device does not signal the start of regeneration"

- In some vehicles, a DPF regeneration may be accompanied by higher idle speed. However, this speed increase may also have other causes (e.g. engine warm-up).
- If the vehicle shows symptoms of DPF regeneration but the device does not signal it, check the soot mass:
- If the soot mass does not change or increases, no regeneration is taking place - the device works correctly.
- If the soot mass decreases, a regeneration is running.
- If in doubt, fill out the complaint form and send the device back.

6. "The device causes errors in the vehicle or messages on the dashboard"

- In very rare cases (2 out of 1000 devices), errors or warning messages may appear after plugging into the OBD socket.
- These are due to incompatibility with certain control units or CAN-bus modifications.
- The device does NOT interfere with the vehicle software and does not modify any control units.
- If such a problem occurs, please contact us via the contact page on www.dpf-kontrolle.de or directly at info@dpf-kontrolle.de.

Watch the function video on YouTube: www.youtube.com/@DPF-Kontrolle

More information: www.dpf-kontrolle.de

Now you have full control over your DPF - without workshop visits!

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