

GÜDE GFR 401

GÜDE GFR 401 Joint Cleaner User Manual

Model: GFR 401 | Brand: GÜDE

1. INTRODUCTION

The GÜDE GFR 401 Joint Cleaner is designed for thorough cleaning of joints on pavements and terraces. It effectively removes moss, weeds, and stubborn dirt using interchangeable nylon and metal brushes. This manual provides essential information for safe and efficient operation, assembly, maintenance, and troubleshooting.

2. SAFETY INSTRUCTIONS

Always read and understand all safety warnings and instructions before operating the device. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- **Personal Protective Equipment:** Always wear appropriate eye protection, sturdy footwear, and gloves during operation.
- **Electrical Safety:** Ensure the power supply matches the device's specifications (230 V, 50 Hz). Use a residual current device (RCD) for outdoor use. Do not operate in wet conditions.
- **Work Area:** Keep the work area clean and well-lit. Remove any obstacles or debris that could interfere with operation. Keep bystanders, especially children, away from the work area.
- **Handling:** Always hold the device firmly with both hands. Avoid overreaching. Maintain proper footing and balance at all times.
- **Brush Safety:** Ensure brushes are correctly installed and secured before starting. Never touch rotating brushes. Disconnect from power before changing brushes.
- **Cable Management:** Use the cable strain relief to prevent damage to the power cord. Keep the power cord away from the rotating brush and sharp objects.
- **Warning for Slippery Parts:** Be aware that surfaces may become slippery after cleaning.

3. PRODUCT COMPONENTS

The GÜDE GFR 401 Joint Cleaner features several key components designed for user comfort and efficient cleaning.



Figure 3.1: Overview of the GÜDE GFR 401 Joint Cleaner components.

1. Soft Grip, 2. Adjustable Auxiliary Handle, 3. Cable Strain Relief, 4. Height-Adjustable Working Handle (890-1140 mm), 5. Splash Guard, 6. Guide Wheel, 7. Metal & Nylon Brushes (tool-free change).

- **Soft Grip:** Provides a comfortable and secure hold during operation.
- **Adjustable Auxiliary Handle:** Can be positioned for comfortable and ergonomic working.
- **Cable Strain Relief:** Protects the power cable from bending and damage.
- **Height-Adjustable Working Handle:** Allows adjustment of the handle height from 89 cm to 114 cm for comfortable use without bending.
- **Splash Guard:** Ensures clean operation by minimizing debris splash.
- **Guide Wheel:** Facilitates easy maneuvering of the device along joints.
- **Interchangeable Brushes:** Includes both nylon and metal brushes for different cleaning tasks, with a tool-free quick-change system.

4. SETUP AND ASSEMBLY

Before first use, assemble the joint cleaner according to the following steps. Ensure the device is disconnected from the power supply during assembly.

4.1 Attaching the Auxiliary Handle



Figure 4.1.1: Adjustable auxiliary handle.

1. Loosen the locking mechanism on the auxiliary handle.
2. Slide the auxiliary handle onto the main shaft to your desired working position.
3. Tighten the locking mechanism to secure the handle.

4.2 Installing the Brush

The GFR 401 features a tool-free brush change system.



Figure 4.2.1: Nylon brush installed.



Figure 4.2.2: Metal brush installed.

1. Ensure the device is unplugged.
2. Press the black plastic quick-release system (with 3 fingers) fully downwards.
3. Insert the desired brush (nylon or metal) onto the spindle until it clicks into place.
4. Release the quick-release system to secure the brush. Gently pull on the brush to ensure it is firmly seated.

4.3 Adjusting Working Height

The aluminum tube is height-adjustable from 89 cm to 114 cm to allow comfortable working in an upright posture.

1. Loosen the locking collar on the main shaft.
2. Extend or retract the shaft to your preferred working height.
3. Tighten the locking collar securely.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your GÜDE GFR 401 Joint Cleaner.

5.1 Before Starting

- Ensure all components are correctly assembled and secured.
- Select the appropriate brush for the task:
 - **Nylon Brush:** Suitable for light to moderate moss and dirt, and for sensitive surfaces.
 - **Metal Brush:** Recommended for stubborn weeds, heavy moss, and robust surfaces like concrete or paving stones. Use with caution on delicate surfaces to avoid scratching.
- Connect the device to a suitable power outlet, ensuring the cable is managed safely using the strain relief.

5.2 Starting and Using the Device



Figure 5.2.1: Main handle with safety switch.

1. Hold the main handle and the auxiliary handle firmly.
2. Press the safety switch (if present) and then the trigger to start the motor.
3. Guide the device along the joints, allowing the guide wheel to assist in maintaining a straight line.
4. Apply gentle, even pressure. Do not force the brush into the joints.
5. Move the device slowly and steadily to ensure thorough cleaning.
6. To stop the device, release the trigger.



SAUBERE FUGEN

ZUM REINIGEN VON PFLASTERSTEINEN, TERRASSEN ETC.

Figure 5.2.2: Example of cleaned joints.

6. MAINTENANCE AND STORAGE

Regular maintenance ensures the longevity and optimal performance of your joint cleaner. Always disconnect the device from the power supply before performing any maintenance.

6.1 Cleaning

- After each use, clean the device, especially the brush and splash guard, to remove dirt and debris.
- Use a damp cloth for the housing. Do not use aggressive cleaning agents.
- Ensure no water enters the motor housing.

6.2 Brush Replacement

Brushes will wear down over time and need replacement. Follow the steps in Section 4.2 for tool-free brush replacement.

6.3 Storage

- Store the device in a dry, frost-free place, out of reach of children.
- Protect the device from direct sunlight and moisture.
- Ensure the power cable is neatly coiled and not kinked.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Device does not start.	No power supply. Safety switch not engaged. Power cable damaged.	Check power connection and outlet. Ensure safety switch is pressed before trigger. Inspect cable for damage; do not use if damaged.
Brush not rotating or rotating slowly.	Brush incorrectly installed. Excessive pressure applied. Motor overload.	Reinstall brush as per Section 4.2. Reduce pressure. Allow motor to cool down; clear any obstructions.
Ineffective cleaning.	Worn brush. Incorrect brush type for task. Insufficient passes.	Replace brush. Use metal brush for stubborn dirt. Make multiple passes over the area.
Excessive vibration or noise.	Loose brush. Damaged brush. Internal fault.	Check brush installation. Replace damaged brush. Discontinue use and contact customer support.

8. TECHNICAL SPECIFICATIONS

Model:	GFR 401
Part Number:	94317
Power Supply:	230 V
Frequency:	50 Hz
Safety Class:	II
Motor Power (P1):	400 W
No-load Speed:	1800 rpm
Brush Diameter:	11 cm
Working Handle Height:	89 - 114 cm
Connection Cable Length:	35 cm
Sound Power Level (LWA):	96 dB
Dimensions (L x W x H):	340 mm x 275 mm x 1230 mm
Net Weight:	2.3 kg

Included Components:

Joint cleaner, metal brush, nylon brush

9. WARRANTY AND SUPPORT

GÜDE GmbH & Co.KG provides reliable service and support for its products.

- **Spare Parts:** Our service center stocks suitable spare parts for all our products, including older models.
- **Technical Assistance:** Qualified personnel at our in-house service center are available by phone to assist with any issues concerning your GÜDE device.
- **Repair Service:** If your GÜDE device requires professional intervention, our in-house repair service is available to help.

For specific warranty terms and contact information, please refer to the documentation included with your purchase or visit the official GÜDE website.

