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## Ferm GRM 1023

# FERM GRM 1023 Pressure Cleaner User Manual

Model: GRM 1023 | Brand: Ferm

## INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your FERM GRM 1023 Pressure Cleaner. Please read these instructions carefully before using the appliance and keep them for future reference.

The FERM GRM 1023 is designed for quick and efficient cleaning of vehicles, machines, bikes, and buildings by removing persistent dirt using clean water and chemical detergents.

## SAFETY INSTRUCTIONS

**WARNING: Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.**

- Always wear appropriate personal protective equipment, including safety glasses, hearing protection, and protective clothing.
- Never direct the water jet at people, animals, electrical equipment, or the appliance itself.
- Ensure the power supply matches the specifications on the product label.
- Do not operate the pressure cleaner if the power cord or other important parts are damaged.
- Keep children and bystanders away from the operating area.
- Always disconnect the power plug from the socket before cleaning, adjusting, or performing maintenance.
- Use only detergents recommended for pressure cleaners.
- Ensure all connections are secure to prevent leaks.
- Do not use the appliance in temperatures below 0°C (32°F) without proper precautions against freezing.

## PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the main components of your FERM GRM 1023 Pressure Cleaner.



**Image 1:** Front view of the FERM GRM 1023 Pressure Cleaner. This image shows the overall design of the unit, including the handle, hose reel, and main body.



**Image 2:** The pressure cleaner with its power cord and high-pressure hose extended. This view highlights the integrated storage for the hose and power cable.



**Image 3:** A display of the various accessories included with the pressure cleaner, such as the spray gun, turbo lance, variable pressure lance, and water inlet adapter.



**Image 4:** Close-up view of the spray gun handle, showing the ergonomic design and trigger mechanism.



**Image 5:** Detail of the integrated holder for the spray lance on the side of the pressure cleaner unit, providing convenient storage.

**Image 6:** Close-up of the main power switch, a rotary dial with 'OFF/0' and 'ON/I' positions, located on the front panel of the unit.

## Included Components:

- High Pressure Cleaner Unit
- Detergent Bottle
- High Pressure Hose (5m)
- Water In-let adapter with filter
- Spray Lance (Variable Pressure)
- Turbo Lance
- Spray Gun
- Cleaning Needle
- Manual (this document)

## SETUP AND ASSEMBLY

- Attach the High-Pressure Hose:** Connect one end of the high-pressure hose to the outlet on the pressure cleaner unit and the other end to the spray gun. Ensure connections are tight.
- Connect Water Supply:** Attach the water inlet adapter with filter to the water inlet on the pressure cleaner. Connect a garden hose (not included) to the inlet adapter and to a water tap. Ensure the water supply is clean and free of debris.
- Assemble the Spray Gun:** Insert the desired spray lance (variable pressure or turbo lance) into the spray gun until it clicks into place.
- Detergent Bottle (Optional):** If using detergent, fill the detergent bottle and attach it to the designated inlet or lance as per specific accessory instructions.
- Power Connection:** Plug the power cord into a suitable grounded electrical outlet.

*Before starting, ensure the water tap is fully open and there are no kinks in the hoses.*

## OPERATING INSTRUCTIONS

- Purge Air from System:** Before turning on the power, squeeze the trigger on the spray gun to allow water to flow through the system and expel any trapped air. Continue until a steady stream of water emerges.
- Start the Pressure Cleaner:** Turn the ON/OFF switch (refer to Image 6) to the 'ON/I' position. The motor will start.
- Begin Cleaning:** Direct the spray gun nozzle at the surface to be cleaned, maintaining a safe distance. Squeeze the trigger to activate the high-pressure jet.
- Adjust Pressure/Spray Pattern:** If using the variable pressure lance, rotate the nozzle to adjust the spray pattern from a concentrated jet to a wider fan spray.
- Using Detergent:** If using the detergent bottle, ensure it is correctly attached. The pressure cleaner will draw detergent when operating at low pressure or with the specific detergent nozzle/lance.
- Automatic Shutdown System:** The motor will automatically switch off when the trigger is released and restart when the trigger is squeezed again. This feature extends motor life, reduces noise, and saves energy.
- Stopping Operation:** To stop the pressure cleaner, release the trigger and turn the ON/OFF switch to the 'OFF/0' position.
- Depressurize:** After turning off the unit, squeeze the spray gun trigger to release any remaining pressure in the system.
- Disconnect Water and Power:** Turn off the water tap and disconnect the garden hose. Unplug the power cord from the electrical outlet.

## MAINTENANCE AND STORAGE

### Cleaning:

- Always disconnect the power supply before performing any cleaning or maintenance.
- Clean the exterior of the pressure cleaner with a soft, damp cloth. Do not use harsh detergents or solvents.
- Regularly check and clean the water inlet filter to prevent blockages.
- Use the provided cleaning needle to clear any blockages in the nozzle of the spray lances.

### Storage:

- Drain all water from the pump, hose, and spray gun before storing, especially in freezing conditions. Run the unit for a few seconds with the water supply disconnected and the trigger open to expel remaining water.
- Store the pressure cleaner in a dry, frost-free location.
- Coil the high-pressure hose and power cord neatly. Utilize the integrated storage features on the unit (refer to Image 2 and Image 5).
- Store all accessories in a safe place to prevent damage or loss.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Motor does not start.	No power supply; ON/OFF switch in 'OFF' position; Thermal overload activated.	Check power connection and circuit breaker; Turn switch to 'ON'; Allow motor to cool down.
No water or low pressure.	Water tap closed; Water inlet filter blocked; Air in pump; Kinked hose; Nozzle blocked.	Open water tap; Clean inlet filter; Purge air from system; Straighten hose; Clean nozzle with cleaning needle.
Pulsating pressure.	Air in pump; Insufficient water supply; Nozzle partially blocked.	Purge air from system; Ensure adequate water flow; Clean nozzle.
Water leaks.	Loose connections; Damaged O-rings.	Tighten all connections; Replace damaged O-rings (contact service center if needed).

If the problem persists after attempting these solutions, please contact customer support.

## TECHNICAL SPECIFICATIONS

**Model Number:** 2194001GRM1023

**Power:** 1900 Watts

**Operating Voltage:** 230 V, 50 Hz

**Maximum Workload Pressure:** 140 Bar (14 MPa)

**Maximum Water Flow:** 390 Liters per Hour

**Hose Length:** 5 Metres

**Product Dimensions (LxWxH):** 35 x 27 x 47 cm

**Item Weight:** 14.2 kg

**Manufacturer:** FERM International

## WARRANTY AND SUPPORT

Your FERM GRM 1023 Pressure Cleaner is covered by a manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions.

For technical assistance, spare parts, or warranty claims, please contact your local FERM service center or the retailer where the product was purchased. Keep your proof of purchase for warranty validation.

**Manufacturer Contact:** FERM International, Lingenastraat 6, 8028 PM Zwolle, Netherlands

**Importer (India):** FERM INDIA, 85/1, 2nd Floor, 1st main road, New Timberyard Layout, Bangalore, Karnataka

