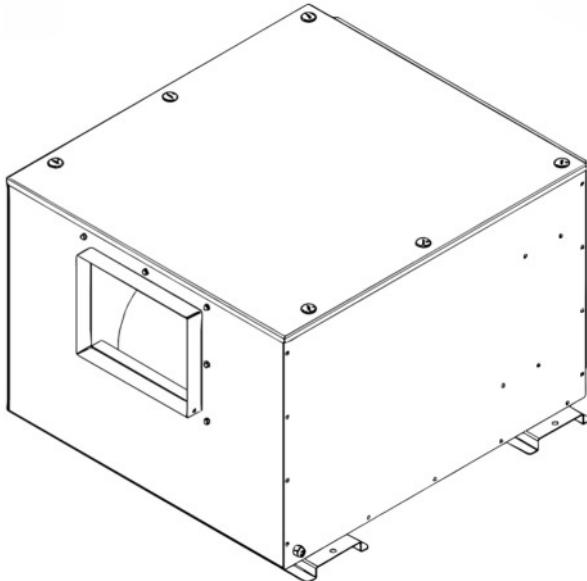




# GFR

Congratulations on purchasing a SICFLUX product.

## Installation Manual



LEARN MORE!

47 3452-3003 / 3452-3033

**Sictell** Soluções em  
Renovação  
de Ar

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contato@sicflux.com.br

posvenda@sicflux.com.br

CUSTOMER SUPPORT SERVICE  
[sac@sicflux.com.br](mailto:sac@sicflux.com.br) - V.4 - 11/2025

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## 1IMPORTANT SAFETY AND INSTALLATION INSTRUCTIONS

INDUSTRIAL PRODUCT FOR PROFESSIONAL USE ONLY – MUST BE INSTALLED BY QUALIFIED TECHNICIANS. NOT TO BE INSTALLED OR OPERATED BY END USERS.

- Verify that there is an electrical power outlet near the installation site.
- Ensure that all installation procedures are carried out by a competent professional.
- Do not operate the exhaust fan in environments with temperatures above 65°C.
- Do not block the air inlet or outlet.
- Never insert any type of object into the unit through holes or openings. Such objects may reach energized components, causing short circuits, fire, or electric shock.
- This product contains blades for air movement. Only power on the fan once it is fully installed in its designated location to eliminate any possibility of contact with moving blades, preventing accidents.
- Never allow children to handle electrical equipment.
- Keep children and animals away from any type of packaging material.
- Install this product at least 2.1 meters above floor level.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or by those lacking experience and knowledge, unless supervised or instructed regarding its operation by a responsible person.
- Children should be supervised to ensure they do not play with the appliance.
- Ensure that the unit is disconnected from the power supply before performing any maintenance.
- Precautions must be taken to prevent reverse airflow—in other words, do not install the product against the intended airflow direction.
- If the power supply cord is damaged, the unit must be discarded.
- Ensure that all mounting points are securely fastened, preventing contact with electrical components and avoiding accidents.
- Upon receiving the SICFLUX product, verify that no damage occurred during transportation.
- Before securing the product at the chosen location, ensure that the structural support (such as a beam) safely accommodates the product's weight.
- Ensure adequate space is available for future maintenance, installation access, and air intake/discharge.
- Before powering the unit on, verify that:
  - No objects entered the appliance during installation (both in the electrical compartment and the airflow path).
  - Electrical components are properly installed and inspected to prevent shocks or short circuits.
  - The electrical supply voltage and frequency are compatible with the unit.
  - No objects that can be drawn into the fan are near the product.

- Perform periodic cleaning to prevent the accumulation of dust and debris on the fan blades.
- Secure the product firmly at the installation point, since poor fastening is the main cause of vibration and excessive noise.
- Ensure that the ductwork used matches the inlet and outlet dimensions of the unit.

FOR MODELS WITH FILTERS: REPLACE FILTERS REGULARLY AND ALWAYS USE ORIGINAL SICFLUX FILTERS WITH THE CORRECT DIMENSIONS FOR THE MODEL. ALWAYS INSTALL FILTERS IN THE SAME DIRECTION AND ACCORDING TO THE SAME CLASS AS THE ORIGINALS.

-For optimal performance and acoustic comfort, install the fan above the ceiling.

**ATTENTION!**



- This product must be installed at least 1 meter from any accessible discharge duct opening.
- This product must be installed with ducts of at least 1 meter in length.

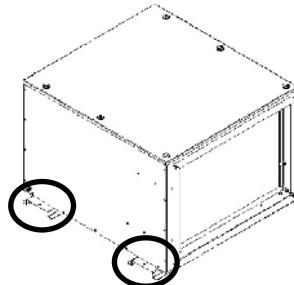
## 2 MOST COMMON PROBLEMS TABLE

If issues occur during installation, follow the recommendations below or contact: +55 (47) 3452-3003 / +55 (47) 3452-3033

PROBLEM	RECOMMENDATION
My fan does not turn on	Check for loose wiring and confirm power is present at the supply cables.
Product operating at low speed	Verify correct supply voltage. Models GFR 230 and GFR 280 are designed for ~220V. For GFR 230, check if the selected speed is low, medium, or high.
Excessive vibration	Do not mount the unit directly to the slab. Use resilient material between metal parts and structure. Install vibration dampers for mounting.
Noise transmission	Use a flexible connector between the unit and rigid ductwork. Do not allow the unit to touch ducts or metallic surfaces.
Noise discomfort or noise above standards	Install an acoustic insulation ceiling as specified by an acoustic consultant.

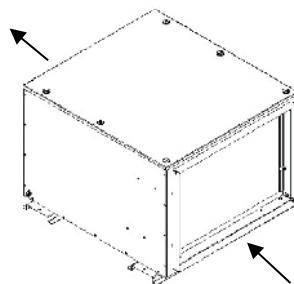
### 3 GFR Installation and Maintenance Instructions

1. Remove the product from the box and install it at the selected location. Use the four mounting points (two on each side of the base). Ensure sufficient access space is available around the unit.

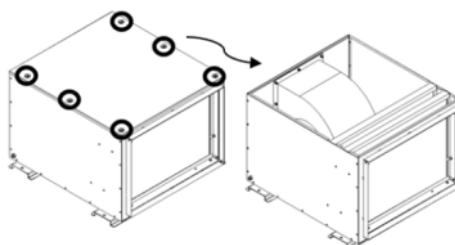


2. Connect ducts to the air inlet and outlet. Verify airflow direction to avoid reverse flow.

3. Perform electrical wiring according to the diagram below.



4. For maintenance, open the access panel using the quick-release latches. To replace filters, remove old ones and install new filters. Clean the internal housing with a damp cloth and dry it. Clean the rotor with a brush.

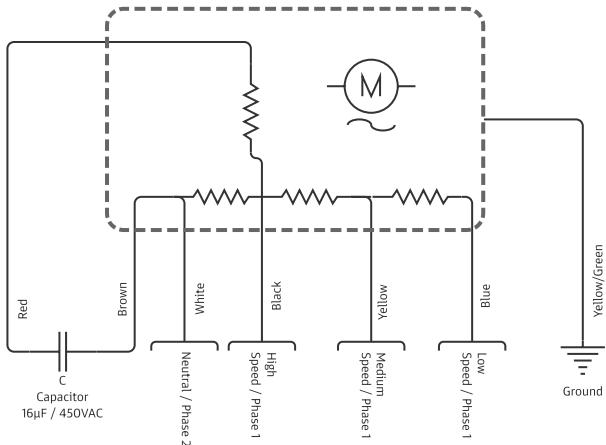


## 4 Electrical Wiring Diagram

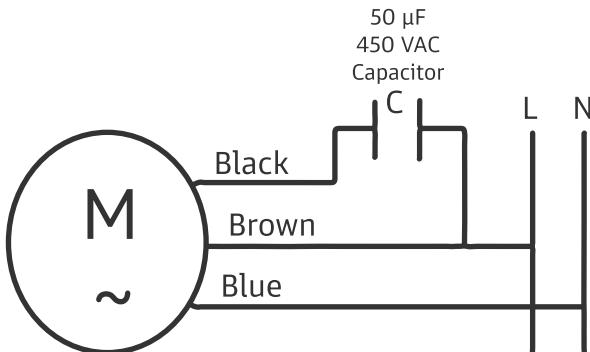
Your GFR unit is equipped with two motors.

At the center of the GFR, the power cable outlet is located. Follow the diagram below to perform the electrical connection for both motors.

Model GFR 230  
220 VAC – Single-phase



MODEL GFR 280  
220 V – Single-phase



## 5 PRODUCT CARE

To clean the product, use a slightly damp cloth and then dry it.

The fan blade must be cleaned regularly to prevent:

- Reduced operational efficiency
- Excessive noise levels
- Shortened service life
- Loss of warranty

- All cleaning must be performed with the unit disconnected from the power supply.

## 6 ACOUSTIC INSULATION GUIDELINES

In accordance with NBR 10152:2017, which defines acceptable indoor sound pressure levels, it is recommended that builders, developers, designers, users, and public authorities adopt these reference values for appropriate use of indoor environments.

The designer is technically responsible for complying with:

NBR 15575 (all parts)

NBR 10152:2017

NBR 10151:2019

Applicable municipal regulations in force at the time

## 7 WARRANTY

### WARRANTY PERIOD

The warranty period is 9 months plus the 90-day legal warranty, totaling 1 year.

### WHAT THE WARRANTY COVERS

The warranty covers manufacturing and assembly defects, provided the unit is used under normal operating conditions.

Labor and replacement parts required to correct verified manufacturing defects are covered.

Shipping costs are the customer's responsibility.

### EXCLUSIONS

The warranty does not cover:

- Natural wear of parts
- Capacitor-equipped units left unused for more than 12 months
- Abuse or improper use
- Incorrect installation
- Any modification without written authorization
- Scratches or broken parts due to mishandling
- Lack of cleaning or maintenance

### HOW TO REQUEST WARRANTY SERVICE

Warranty assistance must be requested by the customer through:

+55 (47) 3452-3003 / 3452-3033 or [sac@sictell.com.br](mailto:sac@sictell.com.br)

The user must provide:

- Description of the issue
- Product model
- Product lot number (printed on the box or product label)
- Purchase invoice

The original dated invoice must be presented, without erasures or alterations. Warranty requests without it cannot be processed.

## 8 RECYCLING



Our commitment to future generations requires proper recycling of materials. Recycle the packaging and remaining components appropriately.

This product contains electrical parts and must not be disposed of in regular household waste.