



Greenor® MOUNTING INSTRUCTION

Thank you for choosing the **Greenor®** fan coil



INSTALLATION MUST BE COMPLETED
BY A LICENSED MECHANICAL
OR PLUMBING CONTRACTOR.

WARNING :

Read Carefully - These instructions contain necessary information for the proper installation, use and efficient operation of the product. Carefully read these instructions before installation and operation of the unit. Failure to adhere to the instructions could result in fire, electric shock, serious personal injury, death or property damage*. Save these instructions and review frequently for continued safe operation and instruction of future users, if necessary.

*Cinier is not responsible for any injury, loss, claim, damage, or any direct, incidental or consequential damages of any kind which arises outside of Cinier international manufacturer warranty.

IMPORTANT:

For all technical information regarding the installation of **Greenor®** fan coils, please contact your local dealer or email americas@cinier.com

All **Greenor®** fan coils are tested and verified before expedition. If your shipment arrives clearly damaged, please make a note on the receipt that the courier or other delivery party requires you to sign. Any defect noticed after delivery must be reported to the manufacturer within 48 hours.

Manufacturing defects are covered under the manufacturing warranty (see binder or warranty attached). The warranty does not cover any damage arising from improper installation, improper maintenance, improper storage or handling.

Remove the **Greenor®** fan coil from its box and separate the front panel from the rough chassis leaving the all around protections while completing the installation of the unit. Wear thin rubber gloves when installing the unit and in particular when manipulating the **Olycale®** stone panel.

The installation must be made according to the manufacturer's guidelines or using any other method considered appropriate by the licensed contractor, providing it is in accordance with current legislation and local building codes.

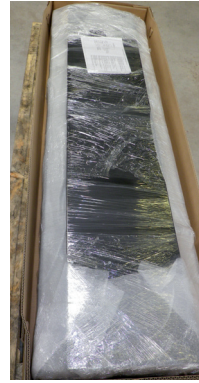
The safety rules must be strictly respected. The radiator must be installed so that commands and panels are accessible at any time.

The **Greenor®** fan coil must not be installed below a power outlet.
This fan coil heating system is not suitable for bathrooms (classe I).
The unit must not be covered.

1- Receiving:

Standard delivery content:

- The **Greenor**® fan coil comes plastic-wrapped and in a heavy-duty cardboard box on a pallet.
- A template is included for optimal ease of installation.
- With the fan coil: two extensible flexible hoses to connect to the heating system.
- 4 air filters + 1 remote control.
- One cleaning accessory to attach to the vacuum cleaner for routine cleaning.



Equipment and tools required for installation:

- Raw-plugs, screws and washers selected to hold the weight of the fan coil on the supporting wall (134.5 lbs / 61 kg)
- Standard fixing and connection tools (elbow fitting 90° male 1/2», flat gaskets...).

Handling and positioning:

(The fan coil must be handled by two persons.)

Use thin rubber gloves to handle the **Greenor**® fan coil.

Use clean hands or clean thin rubber gloves to handle the panel.

Greenor® fan coil must have at least a 6»/15cm clearance on each side of the panel (floor, ceiling, wall) and at least 20»/50cm in front of the panel.

When positioning the unit, make sure that the air intakes are free from obstructions and far enough from potential hazards such as curtains.

2 - Preparation:

Removal of the front panel

Remove the 2 clamp-locking screws,

Open both bottom clamps,

Raise the lower section and the 4 filters slightly,

Disengage with a small upward movement.

Before drilling, use the template provided to mark the location of the four fixing holes at the top of the unit and of the one fixing hole by the bypass valve.

The contractor will decide on the best fixation system to bear the 134,5lbs/61kg weight fan coil.

Secure the rough chassis with adequate wall plugs and screws designed for the bearing wall.

The unit must be handled by two persons.



Greenor® H HEATING SYSTEM ONLY

To operate in heating system only mode
To operate with a conventional boiler on a closed hot water circuit with a maximal service-pressure 101.5 PSI/7bars and a maximal water temperature of 167°F / 75°C.

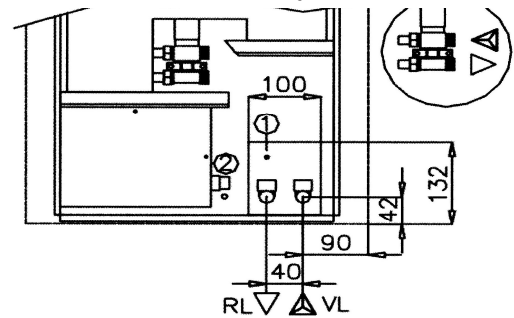
Getting ready to connect the heating system only
(drawing No 1)

Prepare the supply and return water inlets
(elbow fittings males 1/2" flat gasket); Respect the inlet /outlet flow as per drawing.

Prepare the power cable as shown on
drawing No 1.

The power supply cable should project out of the wall by about 11"/ 30cm.

Drawing No 1 - Details of hydronic connections



Greenor® R REVERSIBLE HEATING AND COOLING SYSTEM

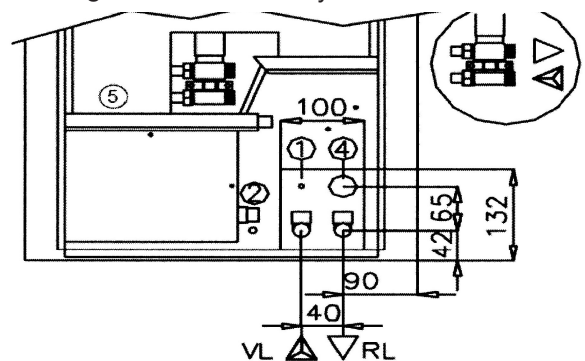
To operate in reversible mode

To use with a reversible heat pump on a closed water circuit with a maximal service pressure 101.5 PSI / 7bars and a maximal water temperature of 167°F / 75°C and minimal water temperature of 44.6°F / 7°C

Getting ready to connect the reversible system
(drawing No 2)

Prepare the supply and return water inlets
(elbow fittings males 1/2" flat gasket); Respect the inlet /outlet flow as per drawing.

Drawing No 2 - Details of hydronic connections



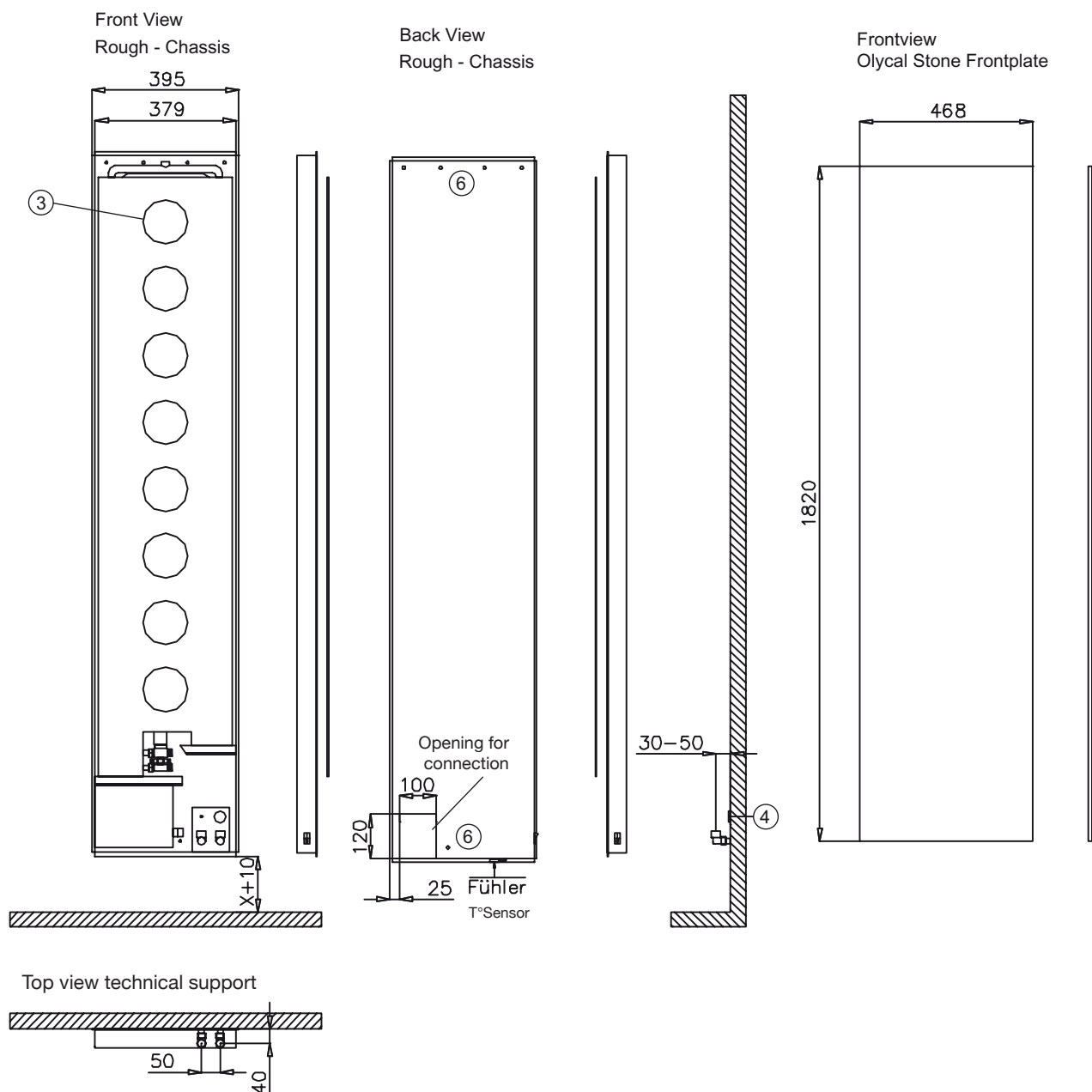
Prepare the power cable as shown on drawing No 2.

The power supply cable should project out of the wall by about 11"/ 30cm.

Besides, it is necessary to plan drainage of condensate using a drain and an indirect waste pipe, to dispose of condensate into the waste water circuit.

An optional pump is available, in that case plan a pipe 0.24"x0.31"/ 6x8mm with a length of about 1"/ 30mm for the evacuation.

Drawing No 3.1 - Rough chassis



3 - Wall mounting of rough

Secure the rough chassis with adequate wall plugs and screws designed for the bearing wall. The unit must be handled by two persons. You may use an adapted lifting device.



4 - Hydronic connection of the rough

(Drawings No 1 and 2)

Stretch the flexible hoses completely and form an arch to better adapt to necessary length when connecting. Connect both supplied flexible hoses to the water inlets; Respect the inlet /outlet flow as per drawings.

Verify all hydronic connections and gaskets (Drawings No 1 and 2).

For the reversible system, insulate the gaskets and flexible hoses. Connect the condensate line to the waste pipe; use a condensate draining lifting pump when necessary.

Mounting of draining / lifting pump

Place the support of the pump using 2 screws of 3x10mm

Glide the pump on the rubber-rail

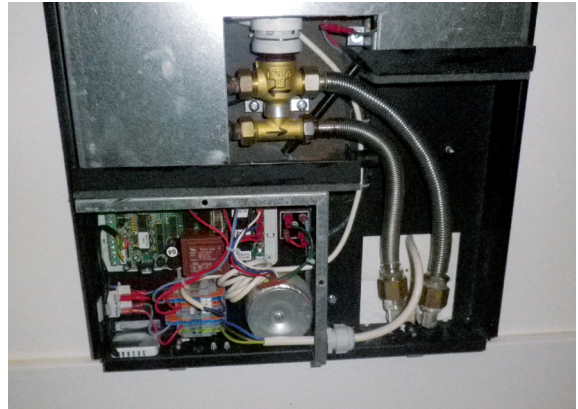
Connect the electrical plug.

Connect the air outlet

Connect PVC evacuation tub drain pipe 6x9mm / 5/16" X 3/8"

Location at the bottom for electrical connection

Picture No 1



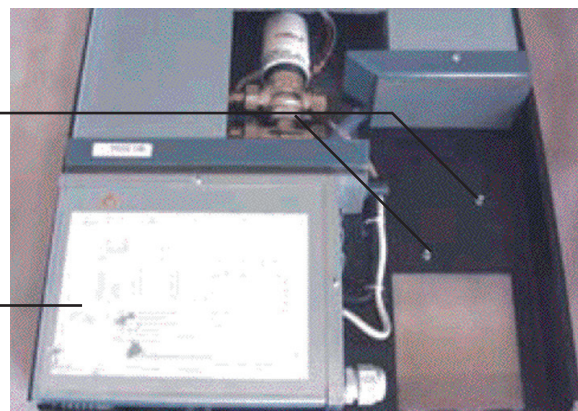
Picture No 2



Picture No 3



Picture No 4



Fixation for lifting pump only for reversible system

Connection box, connecting terminal,
(see picture No 4)

5 - Electrical connection of the rough



WARNING : ELECTRIC SHOCK HAZARD CAN CAUSE INJURY OR DEATH. BEFORE ATTEMPTING TO INSTALL THE UNIT, TURN OFF THE POWER AND DISCONNECT ALL POWER SUPPLY CIRCUITS.

Only a LICENSED CONTRACTOR may open the fan coil.

Connect the power supply cable 2+PE to the plug provided in accordance with current legislation and local building codes.

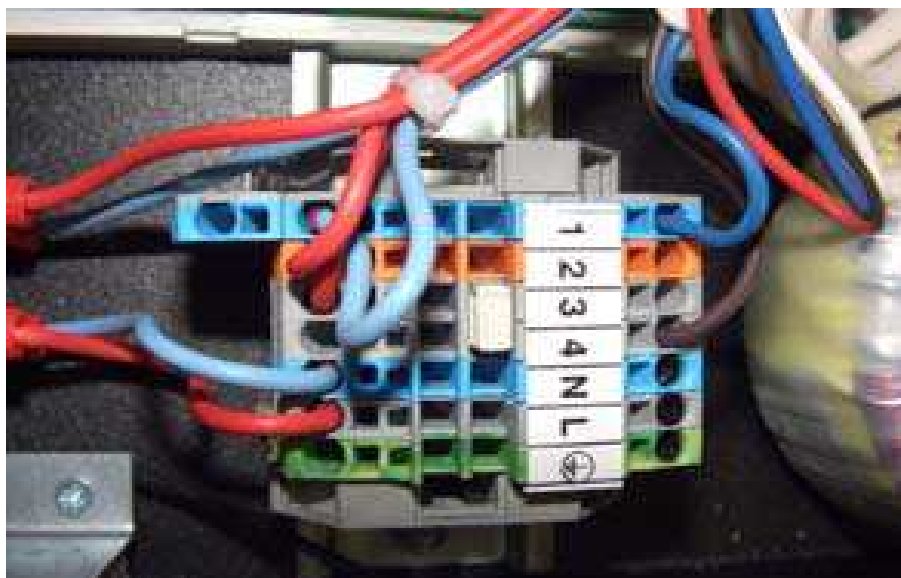
Greenor is to be connected to a 230V/50Hz grounded power supply line.

(Drawing No 4)



Cable must not overhang from its protective ducting to prevent potential pinching by the front panel of the unit. Make sure that power supply can be disconnected across all contacts.

Screw the cover back on

Picture No 4 : Connection scheme for electric connection





Electrical connections for «heating only» version

| Color of wire | Denomination | Clamp |
|----------------|--|--|
| Blue | Neutral N | N (on the right) |
| Brown or black | Phase L | L (on the right) |
| Green-yellow | Ground  |  (on the right) |

Electrical connections for «reversible» version

Remove shunt clamp 3/4

| Color of wire | Denomination | Clamp |
|----------------|--|---|
| Blue | Neutral N | 1 (on the left) |
| Brown or black | Phase L | 2 (on the right) |
| Green-yellow | Ground  |  (on the left) |

Picture No 5 - Electrical connection of the rough



5 - Putting into service

Pressurize the hydronic circuit.

Check that all connections are tight and leak free.

Purge the air out by opening the manual air bleeder valve; insufficient purging may result in an inadequate heating performance.

Shut down the electrical circuit.

Check for potential electrical leakages

Turn on the switch at the bottom left corner of the unit

Using the remote control, operate the fan coil unit to check that all the fans function properly at the 3 operating speeds. Check also that the opening of the thermal bypass valve opens correctly.

Once all these parameters have been configured and checked, turn off the unit.

6 - INSTALLING THE FRONT PANEL

Install the front panel holding it by the metallic frame and raising it slightly above the wall casing to hook the upper notch to the back of the wall casing.

Center the notch by looking at it from one side.

The front panel can then be fastened to the two bottom clamps.



7 - INSTALLING THE FILTERS

Install 4 magnet held filters on the back of the unit sliding them from the sides.



Back view of the unit - showing the filters:

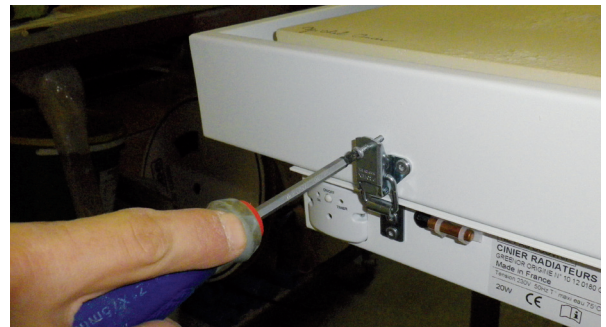


8 - CLOSING THE GREENOR UNIT :

Close both bottom clamps

Screw back on the 2 clamp-locking screws.

Tighten them properly in order to prevent easy access to live electrical equipment and prevent any serious injury.



10 - MAINTENANCE

Remove dust regularly with a sweeper.

The panel can be cleaned with a slightly humid soft cloth or sponge, with warm water and soap or a mild dish detergent. Do not use abrasive or alkaline products. Remove stains immediately with
A monthly cleaning of the filters is recommended: Attach the Greenor cleaning accessory to a vacuum cleaner at low power for better results.

Filters should be changed once a year by a qualified technician.

IMPORTANT

When cooling a room, make sure to keep all doors and windows closed to avoid excessive humidity that can cause condensation on the front surface of the unit.

Warranty

Greenor® General sales conditions are available upon request.
Please refer to document with product/current price list.

Manufacturing defects are covered under the manufacturing warranty (see certificate of international warranty).
The warranty does not cover any damage arising from improper installation, improper maintenance, improper storage or improper handling.

Technical Data

Dimensions: 74-3/4" x 21-1/4" - 1900x115x540 mm (HxWxL)

Weight: 114 lbs / 51 kg

Connection for heating only: 1/2" Elbow

Connection for reversible: 1/2" Elbow

NW40/ D32 Drain line for condensate

Finned Tubes: copper / aluminium

Means of heating/Cooling: Water / glycol water

Max. service pressure: 7 bar

Maxi service temperature: 167°F / 75 °C (heating)

Mini service temperature: 44.6°F / 7 °C (cooling)

Electric supply: 220/230VAC/ 50 Hz

Fans: 8 x 12 V - DC Extraquiet Fans

Total power consumption: 7/10/17 W (Fan Speed 1/2/3)

Air flow (CFM): 67 / 114 / 170 (Fan Speed 1/2/3)

Total sound pressure: 14.8 / 25.6 / 35.7 dB (A) (Fans Speed 1/2/3 - 39» from the Greenor)

Class: 1 (L-N-PE)

Insulation: IP20

Approved standards:



UL 1995, issue: 2011/10/14 Ed:4 UL Standard for Safety Heating and Cooling Equipment : report N° 2300800CDG-001 controlled by **INTERTEK Laboratory inc.**

CSA C22.2 No. 236, issue:2011/10/14 Ed:4 Heating and Cooling Equipment: report N° 2300800CDG-001 controlled by **INTERTEK Laboratory inc.**

CEM (electro magnetic control) and **electric security control verified by TUV (international laboratory Munich, Germany)** Report Nr. 28410180-002

Power and electrical data according to **EUROVENT conditions by TUV (international laboratory Munich, Germany)** Report Nr. FCP106/1/2/3 and FCP107/1/2/3