



INSTALLATION INSTRUCTIONS **Radiators**

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Don't hesitate to contact us should you require any technical information regarding installation of CINIER radiators:

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Thank you for choosing a CINIER radiator made in France.

Caution:

All CINIER radiators are tested and checked before dispatch. Please report any problems observed after delivery to the manufacturer without delay.

The warranty for manufacturing faults does not cover damage to the radiator from any external cause, especially during positioning and handling:

Keep the radiator protection in place

(plastic wrapping and cardboard on the decorative front + foam reinforcement along the sides)

until installation of the radiator on its wall bracket is complete.



Cinier radiators should only be installed by qualified technicians according to the manufacturer's instructions.

Rules governing safety at work must be strictly observed.

The radiator must be permanently installed in such a way that the controls are always accessible.



1 - Delivery:

Standard delivery:

- The radiator comes in a heavy-duty cardboard box on a pallet, protected by foam reinforcement blocks along its sides. It has cardboard on the decorative front and is plastic-wrapped.
- Wall fixing bracket, connected to its integral support at the back of the radiator
The electric radiators are supplied with a power cable, approx. 1 m long, for connection to the mains power supply.
- Central heating radiators are also supplied with:
Two flexible hoses for connection to the central heating system. These can be cut to length by the installer for connection to the heating system.
A thermostatic radiator valve and an adjustable return valve for connection to 1/2" pipes (15/21 mm)

Equipment and tools required for installation:

- Heavy-duty rawl plugs or chemical fixings suitable for the supporting wall and the weight of the radiator.
- Radiator lifting tool, transport trolley
- Standard fixing and connection tools.

Handling and positioning:

At least two people are required to lift the radiator due to its weight.

To facilitate transportation in small vans, the radiator can be removed from its packing box anywhere between the installer's warehouse and the installation site.

Under no circumstances must the foam reinforcement blocks along the sides or the plastic wrapping be removed during transport.



Use white gloves when handling the radiator.

2 - Installation:

The radiator must be installed by qualified personnel who accept responsibility for the installation, according to the manufacturer's instructions and any applicable regulations in the relevant country. Rules governing safety at work must be strictly observed. The radiator must be permanently installed in such a way that the controls are always accessible.

A minimum clearance of 10 cm must be maintained in front of and on all four sides of the radiator (floor, ceiling, wall).

CAUTION:

Keep the protection on the front face and sides of the radiator in place until installation is complete, including any electrical connection or plumbing work. The warranty for manufacturing faults does not cover damage to the radiator from any external cause, especially during positioning and handling.

3 - PLUMBED VERSION:

Water supply (Figures 6 and 8):

Provide two elbows, 90° male, 1/2", flat gasket, to connect the flexible hoses.

Connection distance (between centres): 20 cm

Minimum height of the flow pipe above the floor: 24 cm

Minimum height of the return pipe above the floor: 21 cm

Connect the radiator using the two flexible hoses supplied with the radiator.

The above dimensions are given by way of example and may be adapted to the specific requirements of each radiator and its supporting wall.

Attaching the radiator:

Partially cut the plastic wrapping on the back of the radiator, but only enough to release the wall bracket and connection holes.

Keep the edge and front protection in place until the radiator is fixed in position and connection is complete.

Remove the wall fixing bracket and attach it securely to the wall.

There are 12 possible fixing points and it is up to the installer to decide how many to use to ensure that the radiator is fixed correctly, securely and permanently in position.

The wall bracket is the same length as the fixed bracket integrated in the back of the radiator.

Attach the wall bracket to the wall by carefully measuring its position, making sure that the minimum distances between the radiator and the surrounding walls will be observed.

Connections:

Lift the radiator using the appropriate equipment and personnel for the weight of the radiator and attach it to the top horizontal bar of the wall bracket.

Distance the bottom of the radiator from the bracket using a wooden spacer. Fit the flow and return valves and the two flexible hoses to the radiator.

Make sure the hydraulic joints and connections fit perfectly.

Carefully remove the wooden spacer and engage the bottom of the radiator in the wall bracket. Take care not to trap the hoses during this procedure.

Commissioning:

Open both the flow and return valves and fill the radiator. Maximum operating pressure: 10 bar.

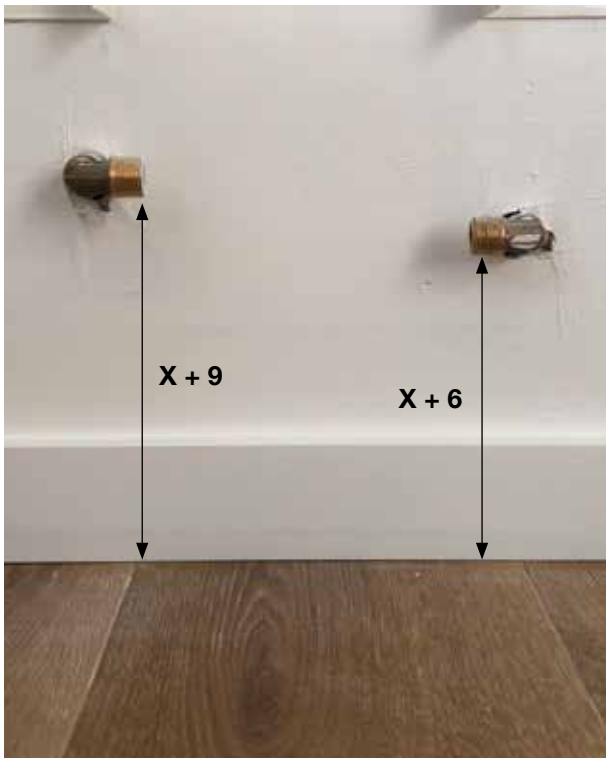
Bleed any air by opening the manual air vent at the top of the radiator until all the air has escaped.

If the radiator is not bled sufficiently, this may cause heating water circulation problems.

Adjust the water flow at the return valve as required.

Fit the thermostatic valve head on top of the flow valve and adjust to the required room temperature.

Example showing installation of a radiator with booster option



1 - Centre-to-centre 200 mm, requiring offset pipe apertures in the wall



2 - Undo the protective plastic wrapping, but only on the back of the radiator, to release the brackets and connections



3 - Measure the centre-to-centre distance between the fixing brackets on the radiator. Caution: check the dimensions (1) very carefully



4 - Install the wall brackets



5 - Check that they are straight using a spirit level



6 - Drill holes ready to take brackets with screws and rawl plugs suitable for the wall.
Hang the brackets on the supporting wall.



7 - Fit the brackets and use a level across the top to check they are straight



8 - Pipe apertures and brackets installed correctly



9 - Pipe apertures and brackets correctly in place



10 - Unscrew the plugs on the radiator



11 - Do this gently



12 - Prepare the seal using plumbers hemp or other sealing method



13 - Connect the hoses and valves to the wall connections



14 - Tighten firmly to ensure that they are leaktight



15 - Hoses and valves installed correctly



16 - The radiator requires at least two people to lift it



17 - Keep all the protective blue foam packaging in place



18 - Release the plastic and wrapping on the back slightly



19 - Supplied manual radiator lifting tool



19b - Slide the radiator lifting tool into position



20 - Use two people to lift the radiator with the radiator lifting tool and attach the radiator to its brackets



21 - Once the radiator is fixed at the top, insert a spacer to hold the radiator away from the wall



22 - Put on the gloves provided then connect the valves to the radiator.



23 - Take care not to overtighten!



24 - Once it is connected, lift the radiator again using the radiator lifting tool to engage it in the bottom of the brackets.



25 - Remove all foam and protective material - or keep in place if the construction site is still unfinished.

Figure 1

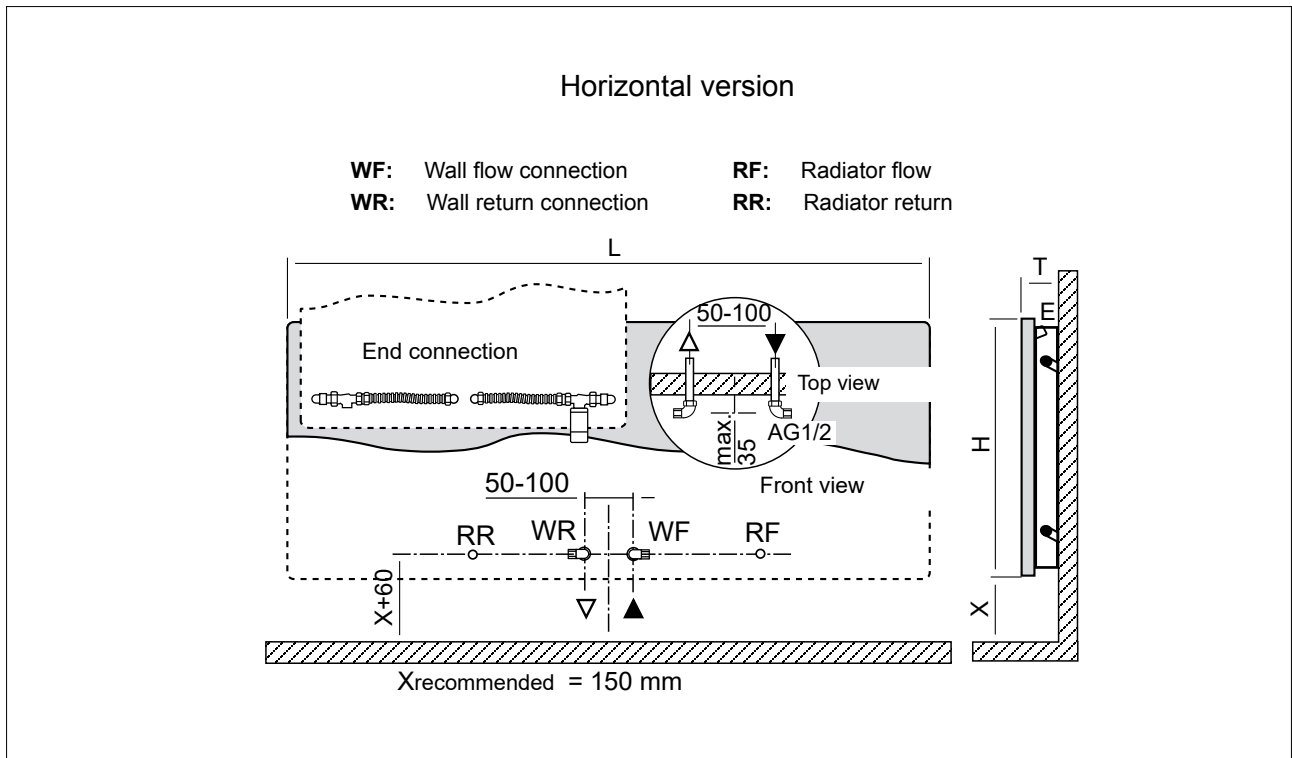


Figure 2

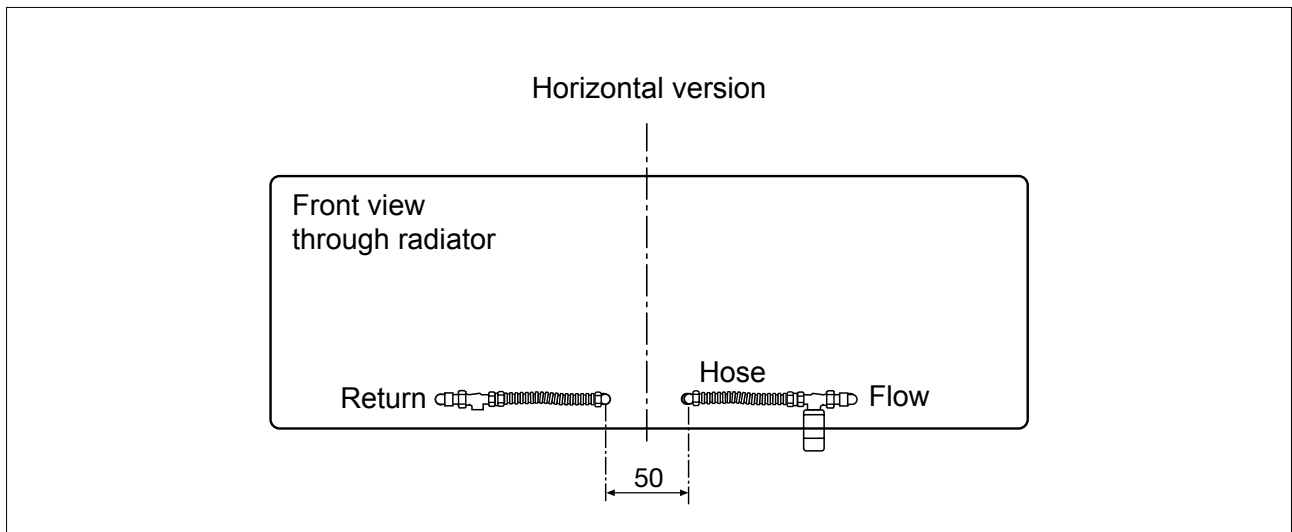
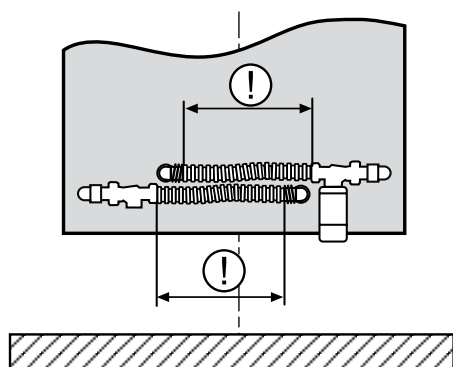
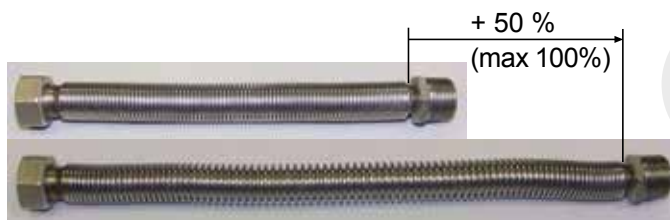


Figure 3
Front view through radiator

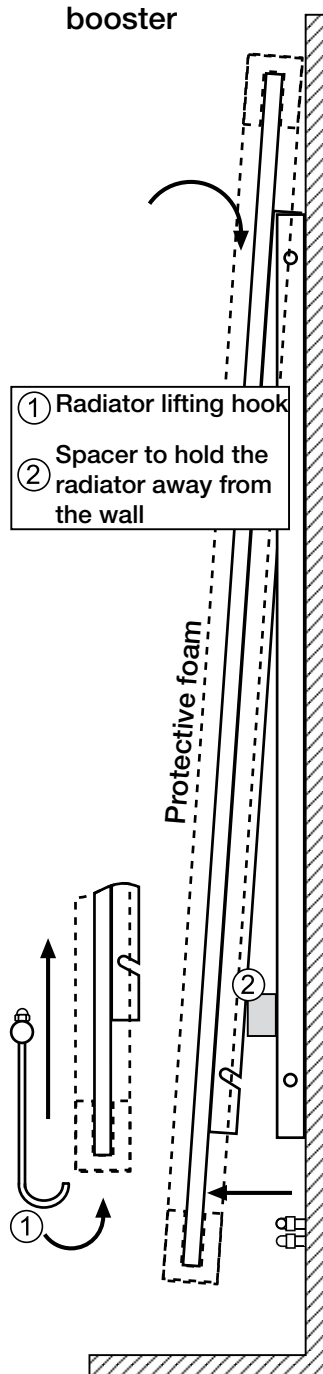


! Adjust CINIER flexible hoses to fit

Figure 4
Cinier extendible stainless steel hose



Without booster



With booster

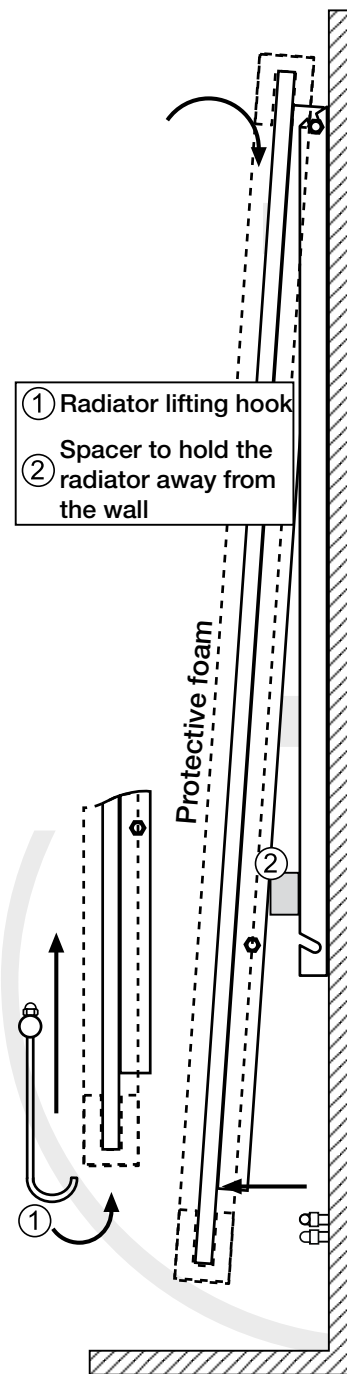


Figure 5

Basic version - without booster

Version without booster

Rear view

Front view

Wall bracket

30 50

E

Air vent

80 120 10,5 19,5

330 mm 330 mm

1700

Wall bracket

WF Wall flow
WR Wall return
RF Radiator flow
RR Radiator return

! Flow on the left as standard

200

WF RF
RR WR

X

X = 150 recommended

Top view

200

max 35 AG 1/2

① Connecting elbow

① ①

X

X+90

X+60

AG 1/2

Flow Return

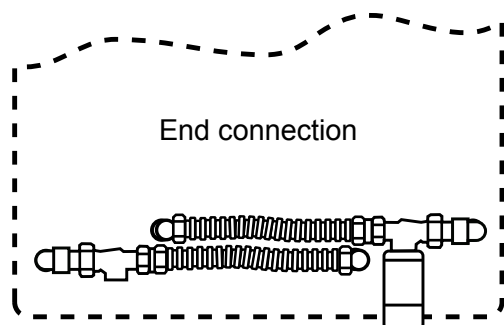
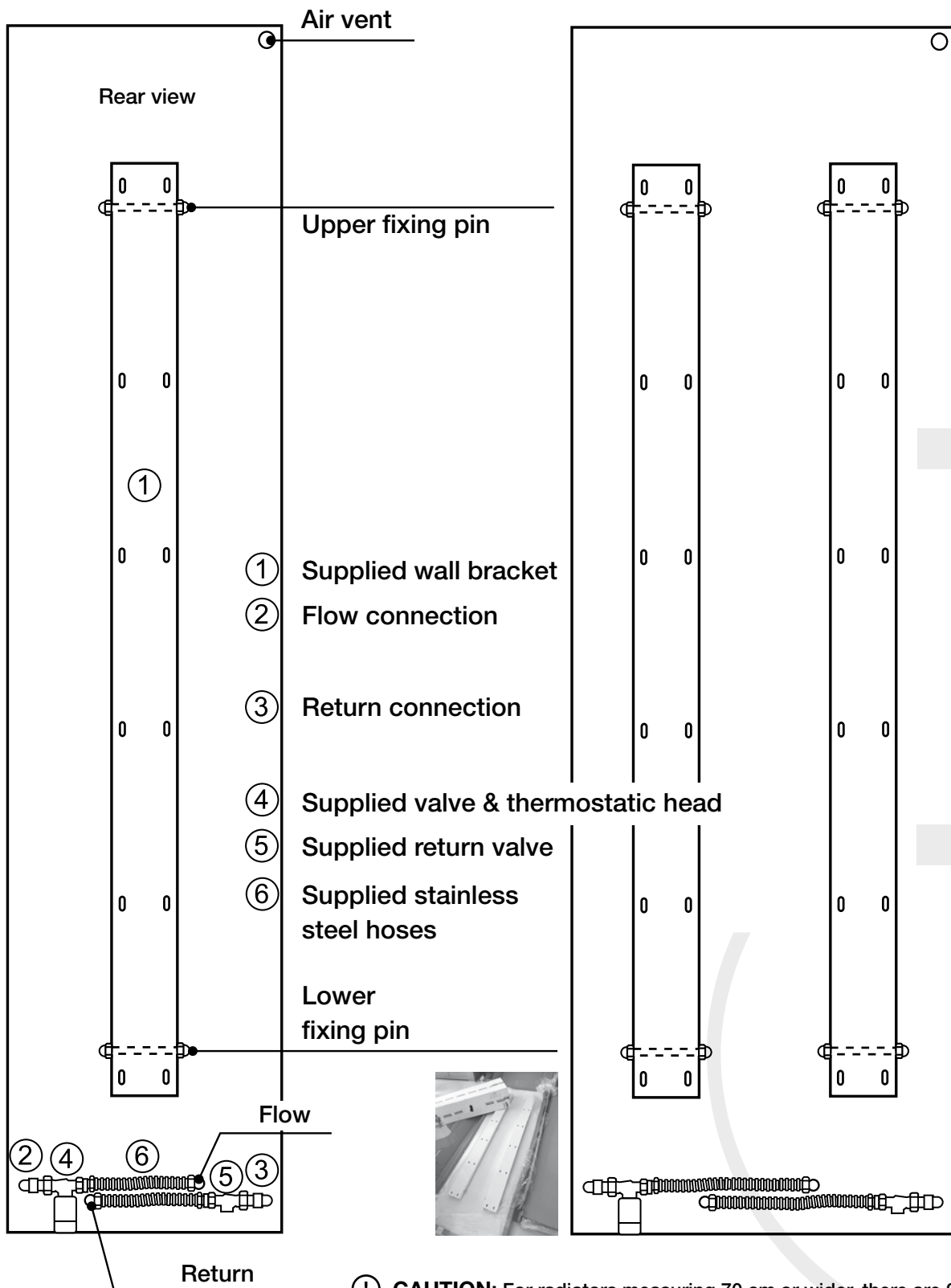


Figure 7
Basic version - without booster



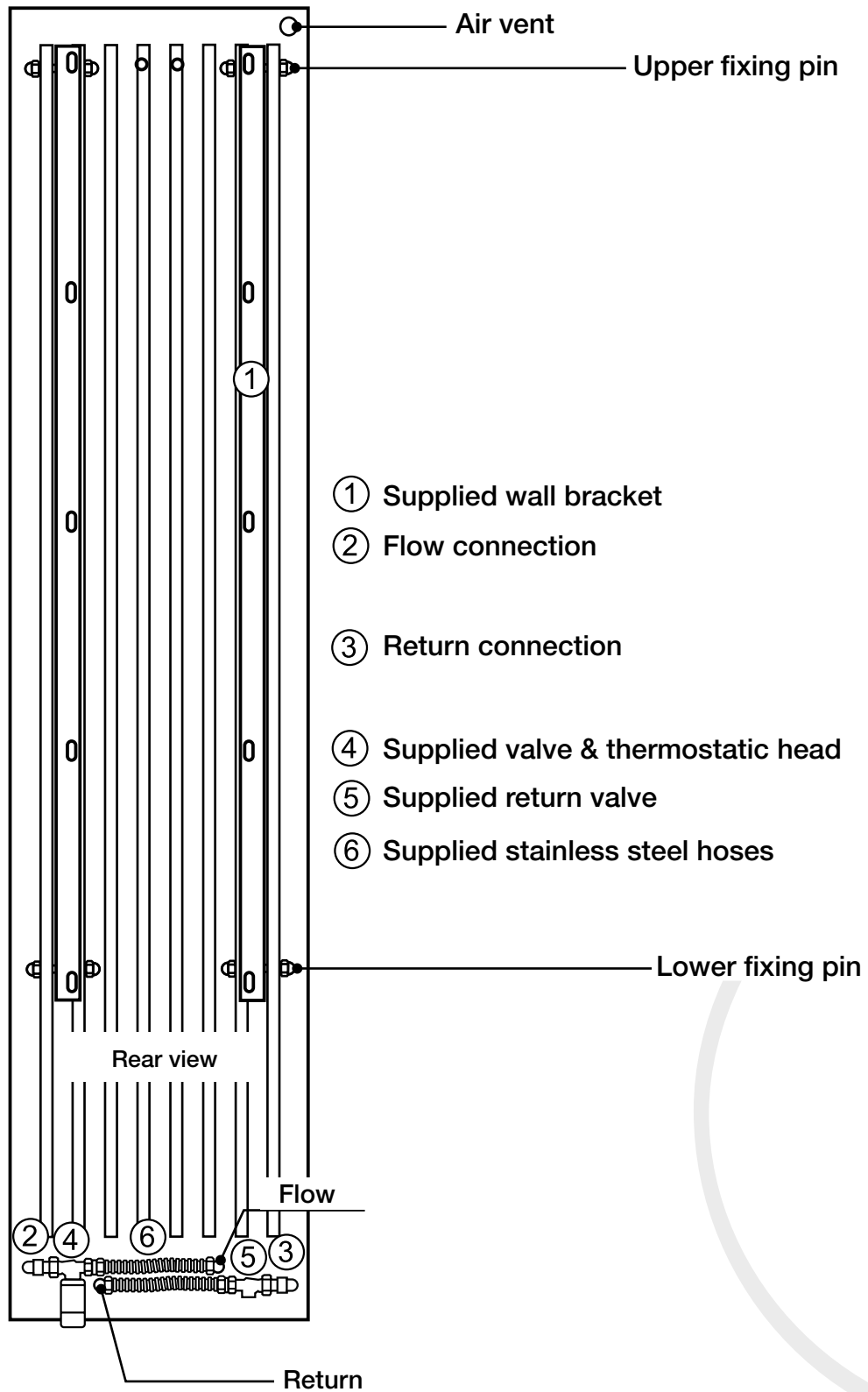
Base measurements on the radiator itself or request that this be carried out at the Ateliers Cinier.

⚠ Measurements must be based on the radiator itself to accurately calculate the height of the two wall brackets



Figure 9

Version with booster



4 - ELECTRIC VERSION:

Preparing for installation:

Position the towel warmer or electric radiator away from draughts that might disrupt its operation (e.g. beneath a centralised mechanical ventilation system, etc.).

When installing towel warmers, make sure you observe the installation zones: Figure 12

Attaching the radiator:

Partially cut the plastic wrapping on the back of the radiator, but only enough to release the wall bracket and connection holes.

Keep the edge and front protection in place until the radiator is fixed in position and connection is complete.

Remove the wall fixing bracket and attach it securely to the wall.

There are 12 possible fixing points and it is up to the installer to decide how many to use to ensure that the radiator is fixed correctly, securely and permanently in position.

The wall bracket is the same length as the fixed bracket integrated in the back of the radiator.

Attach the wall bracket to the wall by carefully measuring its position, making sure that the minimum distances between the radiator and the surrounding walls will be observed.

Electrical connections:

The radiator is intended for use with a single-phase 230 V 50 Hz power supply.

In addition, the power cable can include a pilot wire for external programming if required. If it is not used, the pilot wire must be isolated without connecting it.

The radiator type plate is fixed to the wall bracket and to the radiator.

The power supply for an electric towel warmer must be directly connected to the mains after the circuit breaker without an intermediate switch.

It must be connected to the mains using the towel warmer cable via a junction box.

The junction box must be located at least 25 cm above the floor in damp rooms such as bathrooms and kitchens.

The power supply must be directly connected to the mains after the residual current device in accordance with installation regulations.

If you are using the pilot wire (black wire) and if it is protected by a 30 mA differential (e.g. bathroom use), the pilot wire power supply must also be protected on this differential.

Any applicable regulations in the relevant country at the time of installation must be strictly observed.

Positioning:

Lift the radiator using the appropriate equipment and personnel for the weight of the radiator and attach it to the top horizontal bar of the wall bracket.

Distance the bottom of the radiator from the bracket using a wooden spacer.

Connect the power cable to the mains junction box.

Carefully remove the wooden spacer and engage the bottom of the radiator in the wall bracket.

Make sure that you do not trap the cable during this procedure.

Control:

See the instructions for the CINIER integral electronic thermostat.

Special precaution:

Never cover the radiator.

If the power cable is damaged, it must be replaced by a qualified person (electrician).

In the case of a breakdown or faulty operation, call an electrician or specialist electrical maintenance company and notify us if the cause cannot be found or repaired.

BATHROOM: the heating appliance must be installed such that switches and other control devices cannot be touched by anyone taking a bath or shower.

You may notice a slight odour when the radiator heats up for the first time. This is due to evaporation of residual trace substances from manufacture or packaging.

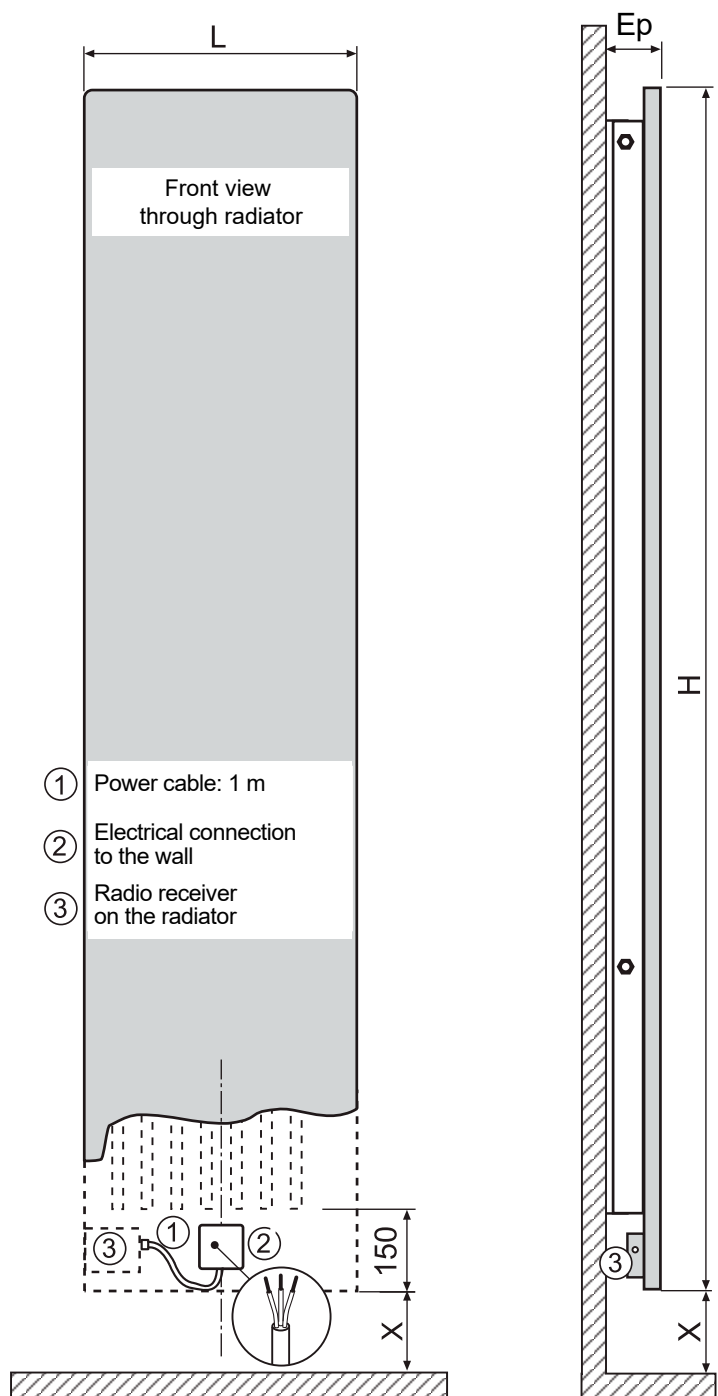
MAINTENANCE

Do not use any cleaning products, wax or polish on the radiator.

If required, simply clean using a little soapy water and a soft sponge or dry cloth.

Figure 10

With wireless thermostat (as standard)



X recommended = 150 mm

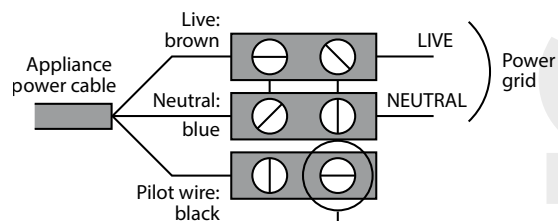
Profile view
Version with
booster



Cinier radiators should only be installed by qualified technicians according to the manufacturer's instructions.

Figure 11

Connection diagram for the towel warmer
Disconnect the power and connect the wires as shown below:



Two options available



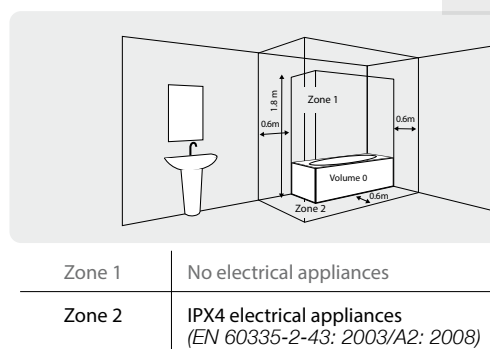
- Option 1: standalone radiator  Not externally controlled
Pilot wire not connected
- Option 2: slave radiator  To central control system
or programming cassette

Figure 12



**Wireless programmable
X3D thermostat included as standard**

Dimensions:
135 mm x 81 mm wide
x 22 mm deep.

Can be fixed to the wall or
placed on its base on a piece of furniture.

Power supply: 2 x 1.5 V alkaline batteries (type
LR03/AAA) supplied, operating life 5 years
under normal use.



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