



TOUCH&STEAM

assembly manual

Dear Customer, thank you for purchasing an EFFEGIBI steam generator. We hope you will be fully satisfied with your purchase. Please remember that this manual is an important document of reference and should be provided by the seller with the generator. EFFEGIBI forbids the reproduction of any part of this manual. Each generator is checked and tested thoroughly at our premises prior to delivery to ensure its correct working order and the absolute reliability of its safety devices. Should you require any further information or clarifications please contact your local dealer or contact our company directly.

CONTENTS

1.	INTRODUCTION	page 2
1.1	INTENDED USE	page 2
1.2	SCOPE OF THE MANUAL	page 3
1.3	IDENTIFICATION OF THE TOUCH&STEAM COLUMN	page 3
2.	SAFETY INSTRUCTIONS	page 4
3	MAIN COMPONENTS	page 5
3.1	OVERALL DIMENSIONS	page 6
3.2	PACK CONTENTS	page 7
4.	INSTALLATION	page 8
4.1	CHECKING THE ROOM FOR THE TOUCH&STEAM COLUMN	page 8
4.2	SILICONE COATING ON THE FINISHING FRAME	page 9
4.3	INSERTING THE FINISHING FRAME	page 10
4.4	CLEANING THE SILICONE	page 11
4.5	REMOVING THE REINFORCING TEMPLATE	page 11
4.6	CONNECTION TO THE MAINS SUPPLY (WATER - ELECTRICITY)	page 12
4.7	CONNECTION TO THE WATER MAINS	page 13
4.8	CONNECTION TO THE ELECTRICAL MAINS	page 14
	- SINGLE-PHASE CONNECTION - OPTIONAL REMOTE	page 16
	- THREE-PHASE CONNECTION - OPTIONAL REMOTE	page 17
	- WIRING DIAGRAM	page 18
	- START-UP PROCEDURE	page 19
4.9	INSERTING THE COLUMN	page 22
4.10	ATTACHING THE COLUMN	page 23
4.11	INSERTING THE SCENT DEVICES	page 24
5	DESCRIPTION OF THE TOUCH&STEAM	page 25

1 INTRODUCTION

SYMBOLS

Whenever you see one of these symbols in the manual you must read the information given alongside as it is vital to ensure correct use of your steam generator. Failure to read and take into account the information could seriously compromise the safety of both objects and people.



DANGER - ATTENTION

This indicates situations of grave danger which, if ignored, could seriously compromise the health and safety of the persons concerned.



CAUTION - PRECAUTION

This indicates you need to take all necessary measures and precautions to prevent accidents and/or damage to objects and/or harm to people



NOTE

This indicates technical information of particular importance and which must not be overlooked.

1.1 INTENDED USE

The **TOUCH&STEAM Generator** produces non-pressurized steam by means of heating elements immersed in the water contained in the boiler; the steam produced in this way is used to 'humidify' the **Turkish Bath** area, using special diffusers.

The quality of the water used does not affect the evaporation process, so it is possible to use untreated water, as long as it is potable, or water treated by a water softener; the evaporated water is automatically re-integrated by means of a filler valve.

This appliance is designed solely for the production of steam. It is for this purpose only, so all installation, use and maintenance must be executed in conformity with the instructions in this manual and the information on the labels placed on and inside the appliance.

The ambient conditions and supply voltage must be as specified.



The steam generator must be put to the sole purpose for which it was intended; any other use is improper and therefore dangerous.

Any other use and any changes not expressly authorized by the manufacturer are deemed improper.



The Manufacturer cannot assume any liability for lesions or damage due to improper use of the appliance.



As the appliance contains live electrical components and hot surfaces, all servicing and/or maintenance must be executed by an experienced and qualified technician taking all the necessary precautions.

1.2 SCOPE OF THE MANUAL

This manual provides all the information required to ensure correct use and proper maintenance of the TOUCH&STEAM generator.

You must read this user and maintenance manual carefully before starting up the appliance for the first time; only then can you learn how to use our Steam Generator properly and in a short time.



The good working order of the generator depends largely on good maintenance and cleaning. It is therefore very important to know how to clean and execute the maintenance. We therefore advise you to consult the user and maintenance manual, which also describes start-up, shutdown and good, safe operation.

The generator was designed in conformity with the safety provisions of the following directives:

- EEC 73/23 and 93/68 EEC(BT) on general electrical safety;
- EEC 89/336 and 93/68 EEC (EMQ) on electromagnetic compatibility;
Implemented by standard CEI 64-8 (IEC 364).

We constantly seek to improve upon our products, so please note that the generator in your possession may not be exactly the same as described in this manual. Any differences are in any case marginal and not substantial.



The Manufacturer reserves the right to take legal action against all persons who make unauthorized changes to its steam generators.

1.3 IDENTIFICATION OF THE TOUCH&STEAM COLUMN

The plate attached to the top of the column provides all the information required to identify your generator – the type of product, the model, its power consumption, voltage, serial number, the year of manufacture, the name of the manufacturer and the CE mark of conformity.

Models:

Touch&Steam 30	3000W	code: HACMTS0016
Touch&Steam 45	4500W	code: HACMTS0017
Touch&Steam 60	6000W	code: HACMTS0018
Touch&Steam 90	9000W	code: HACMTS0022



2. SAFETY INSTRUCTIONS



The Turkish Bath should not be used by children under the age of 3 or people who suffer from heart problems, internal inflammation or epilepsy, or who wear pace-makers.

You are strongly advised to consult your doctor before using the Turkish Bath.



Children over the age of 3 can use the Turkish Bath but must be accompanied by an adult and should have a medical check beforehand. Pregnant women should also have a medical check before using the Turkish Bath.



Do not let children use the appliance without supervision unless they have been told exactly how to use it in a proper and safe manner, and understand the risks associated with improper use. Children must not play with the appliance.



The appliance is not suitable for use by persons (and children) of limited physical, sensorial or mental capacity, unless they are instructed in its use or are supervised by a person responsible for their safety.



It is strictly forbidden to put the TOUCH&STEAM to any use for which it is not intended.



Always execute the routine checks, tests and maintenance (Chapter 9 of this manual).



Do not, for any reason, remove the adhesive labels on the Generator. Replace the labels if worn.



Enter the Turkish Bath room once this is full of steam. The user must know how to use it.



Read this manually carefully before using the steam generator.



Take into account all the danger warnings and the safety rules issued by domestic authorities.



Do not insert foreign electrical devices in the steam generator or in the room in which the Turkish Bath is installed.



Do not use mobile devices in the cabin that produce steam or humidity.

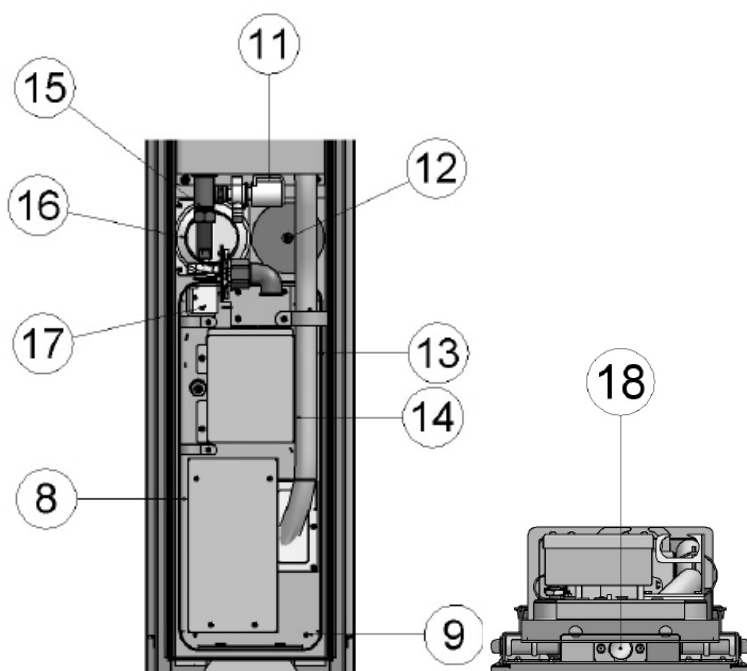
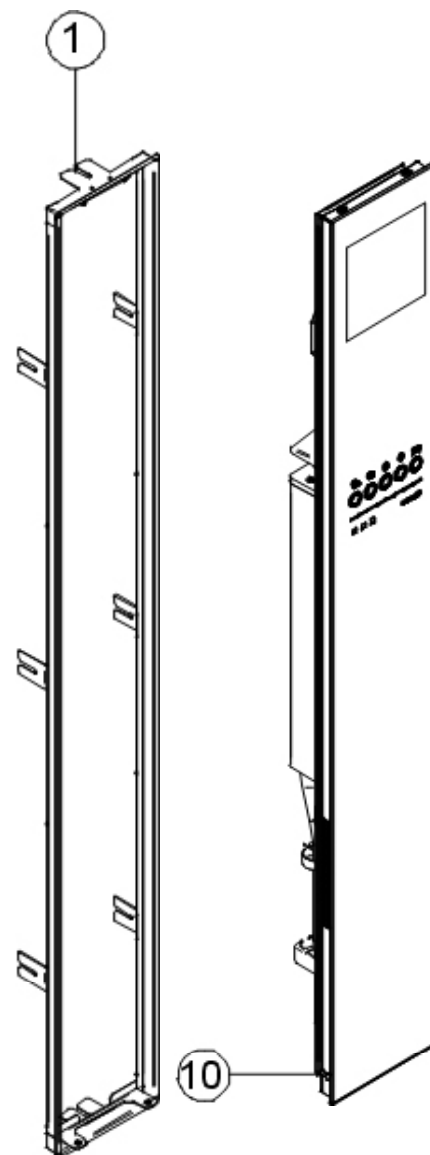
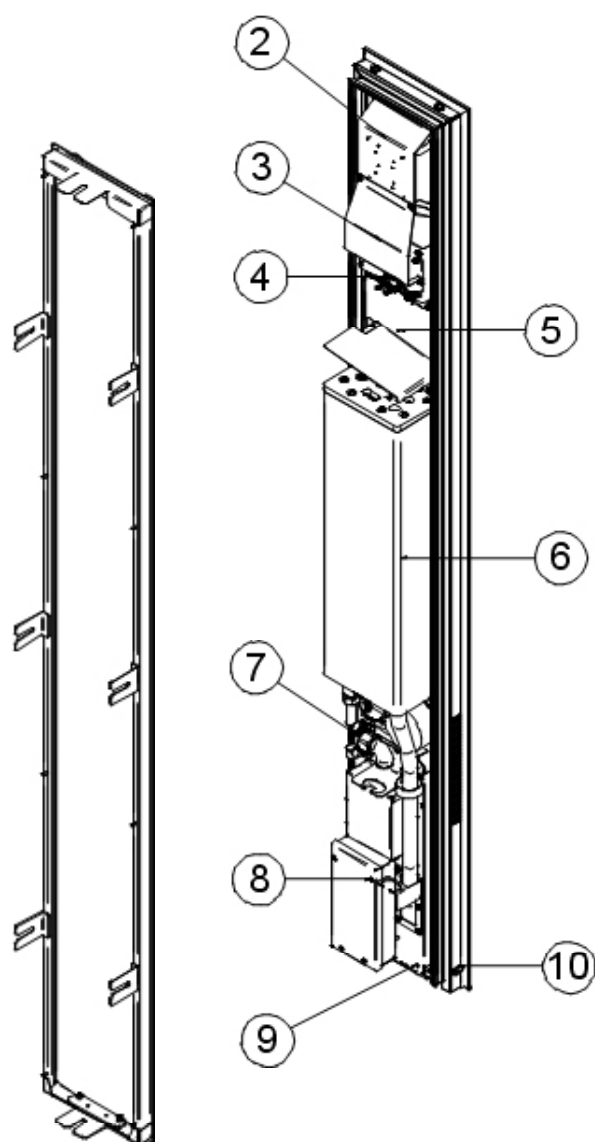


There is a steam and hot air outlet at the base of the column. Do NOT cover this or put objects near it as to do so could compromise correct operation.



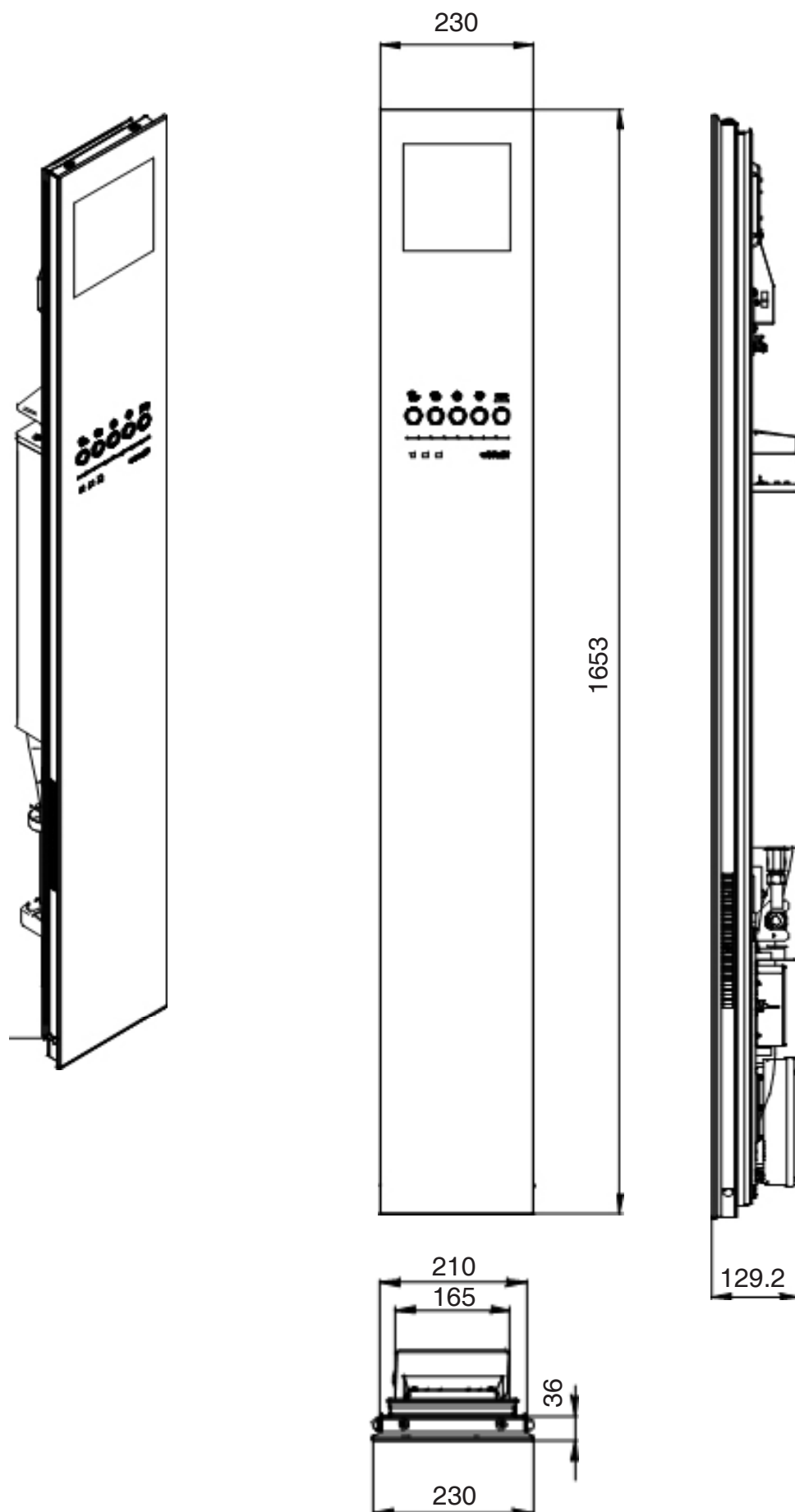
The column has a front panel made of tempered glass; it should be installed taking all the precautions normally associated with glass. The LED light emits Class 1 radiation as per EN 60825-1: 1994 A1:2002 + A2:2001.

3. MAIN COMPONENTS

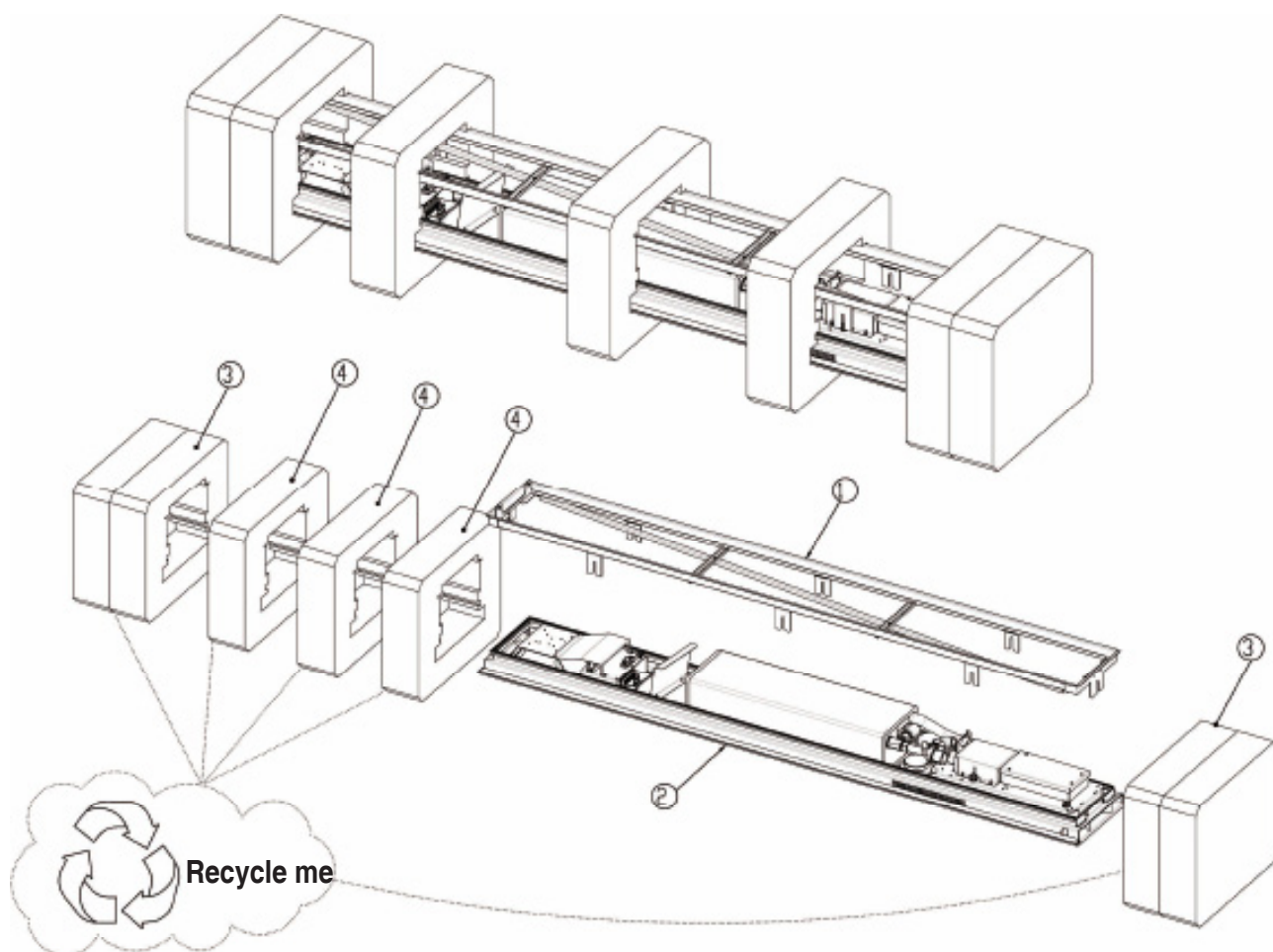


1	Installation frame
2	Chromotherapy lamp and white light
3	Cover on power supply terminal block
4	Power supply terminal block
5	Control panel
6	Steam production unit
7	Solenoid valve unit
8	Power electronics
9	Heating unit
10	Scent diffusers
11	Outlet solenoid valve
12	Power transformer
13	Steam outlet pipe
14	Electric motor
15	Check valve
16	Loudspeaker
17	Inlet solenoid valve
18	Steam outlet

3.1 OVERALL DIMENSIONS

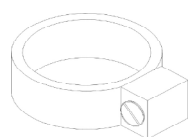


3.2 PACK CONTENTS



1	Installation frame
2	TOUCH&STEAM with bag of accessories
3	Heads in recyclable polyethylene foam
4	Walls in recyclable polyethylene foam

2 BAG OF ACCESSORIES



N°1

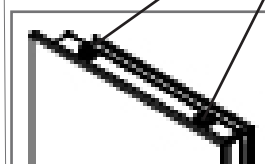


N°8

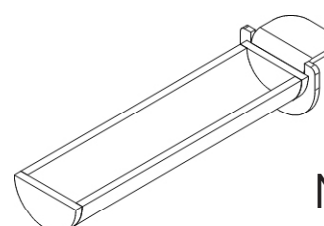


N°1

Pre-assembled
on the column



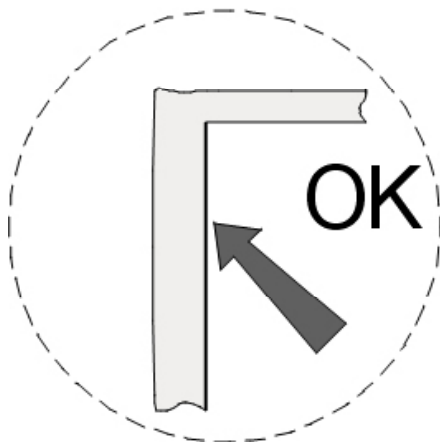
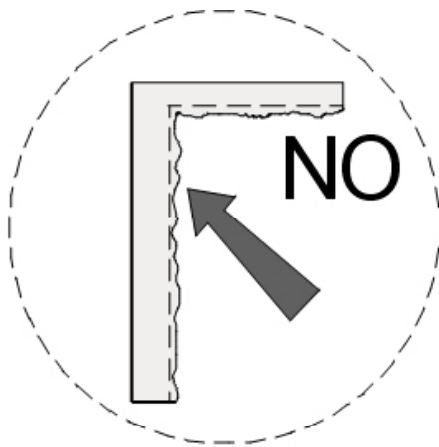
N°2



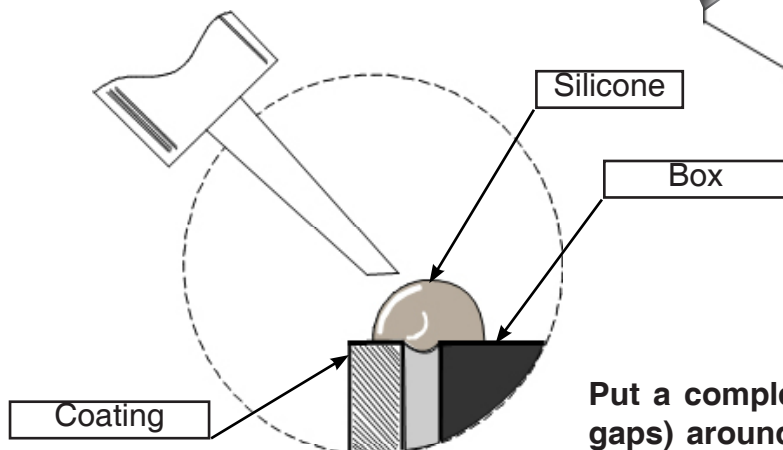
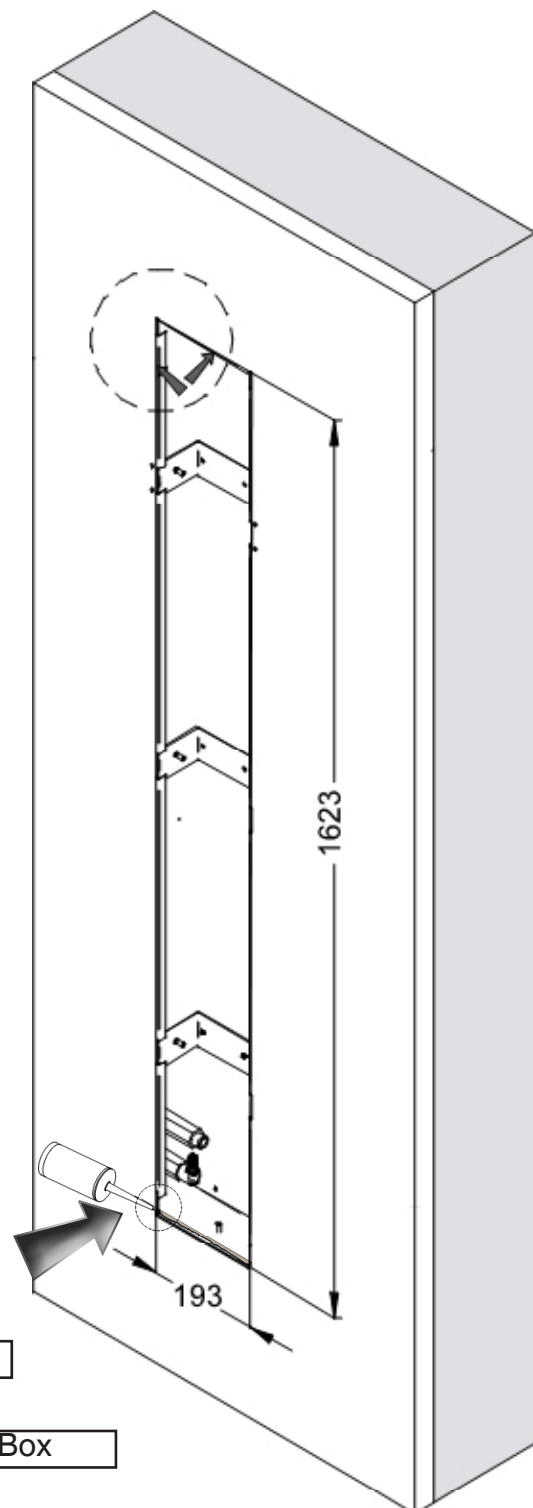
N°2

4 INSTALLATION

4.1. CHECKING THE ROOM FOR THE TOUCH&STEAM COLUMN



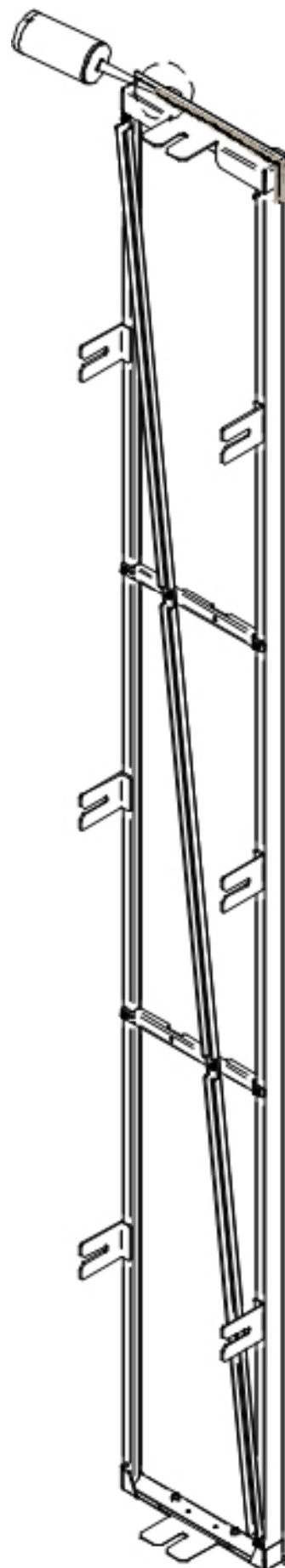
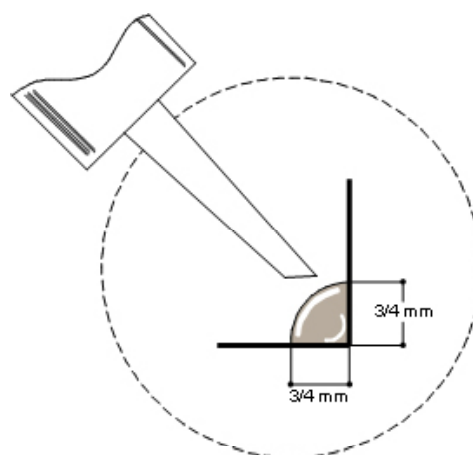
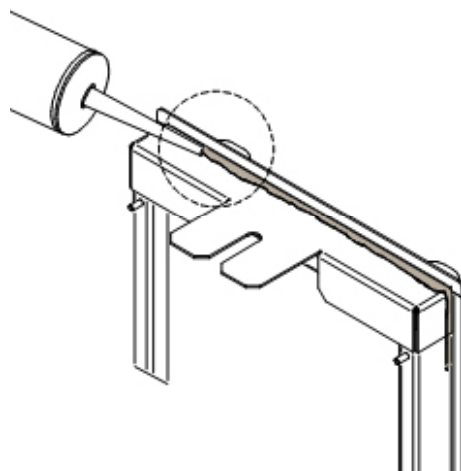
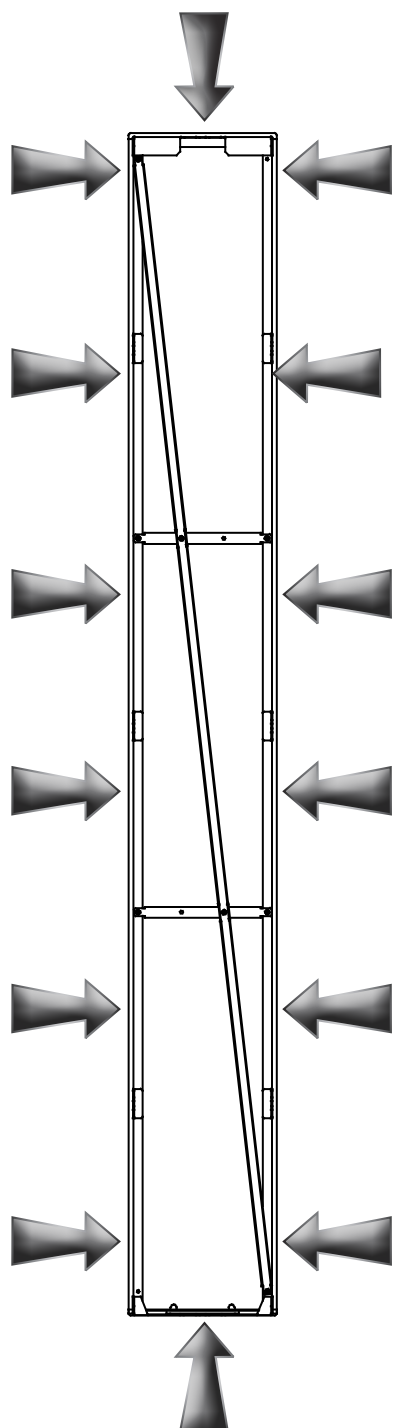
Check the height is **1623mm x 193mm** and check all around the appliance to make sure that the coating does not protrude; remove any excess.



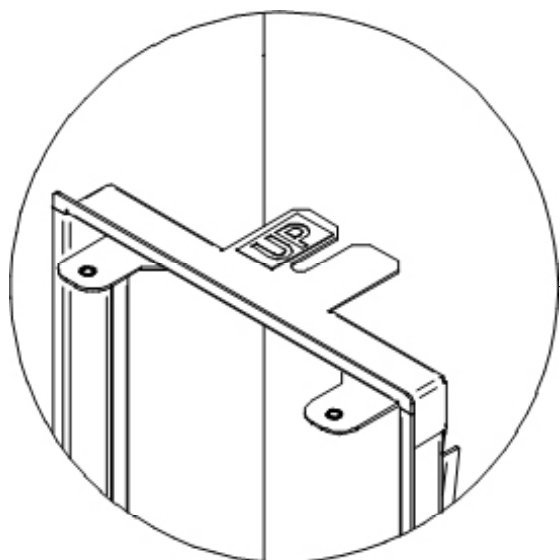
Put a complete strip of silicone (without gaps) around the base, between the box and the coating.

4.2. SILICONE COATING ON THE FINISHING FRAME

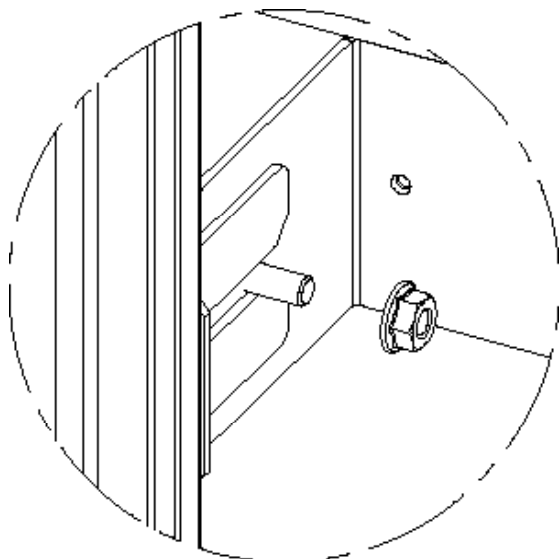
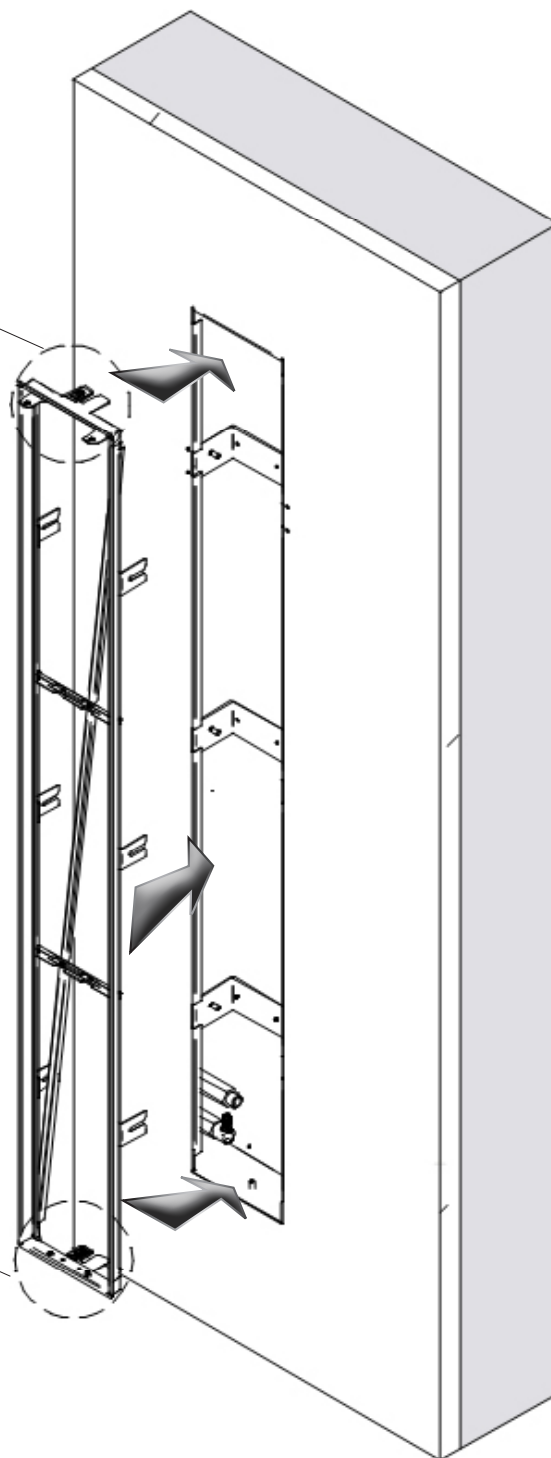
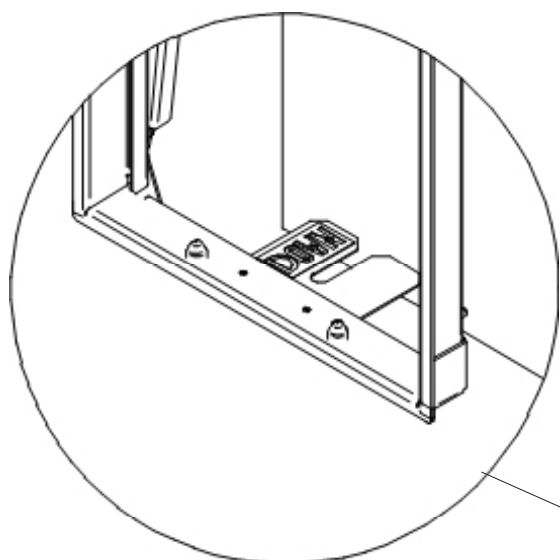
Put a complete strip of silicone (without gaps) around the entire inner layer of the frame to be brought in contact with the coating.



4.3. INSERTING THE FINISHING FRAME

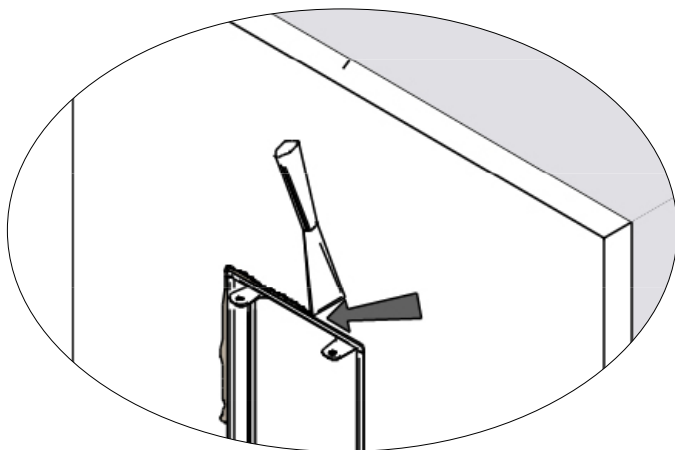


Insert the frame, putting the slots on the respective threaded steel pins.



With the siliconed frame in position, tighten the 8 flange nuts on the slots and make sure the frame adheres well to the coating.

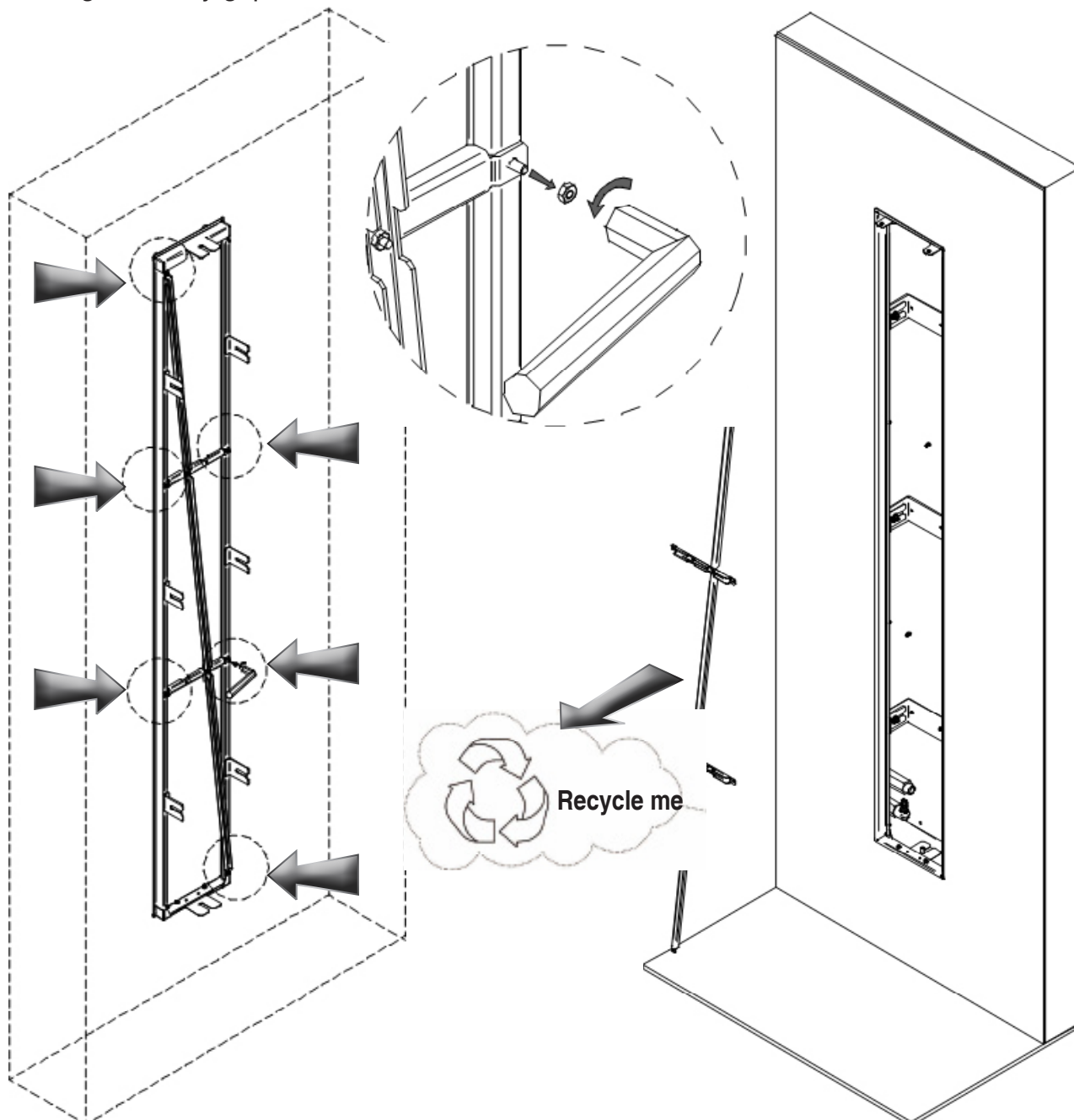
4.4. CLEANING THE SILICONE



Remove any silicone smears and check there are no gaps between the frame and the coating: fill in any gaps with new silicone.

4.5. REMOVING THE REINFORCING TEMPLATE

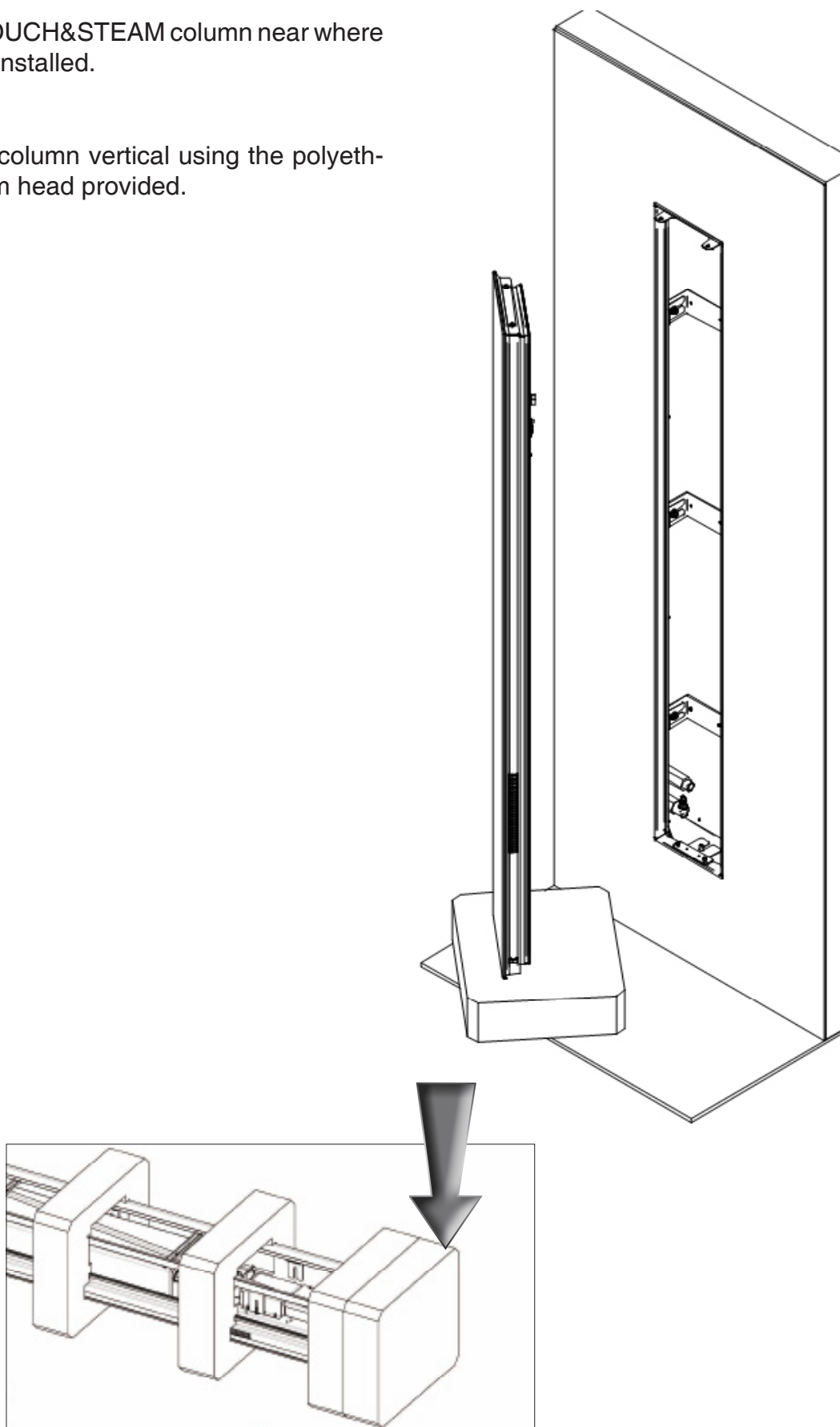
Remove any silicone smears and check there are no gaps between the frame and the coating: fill in any gaps with new silicone.



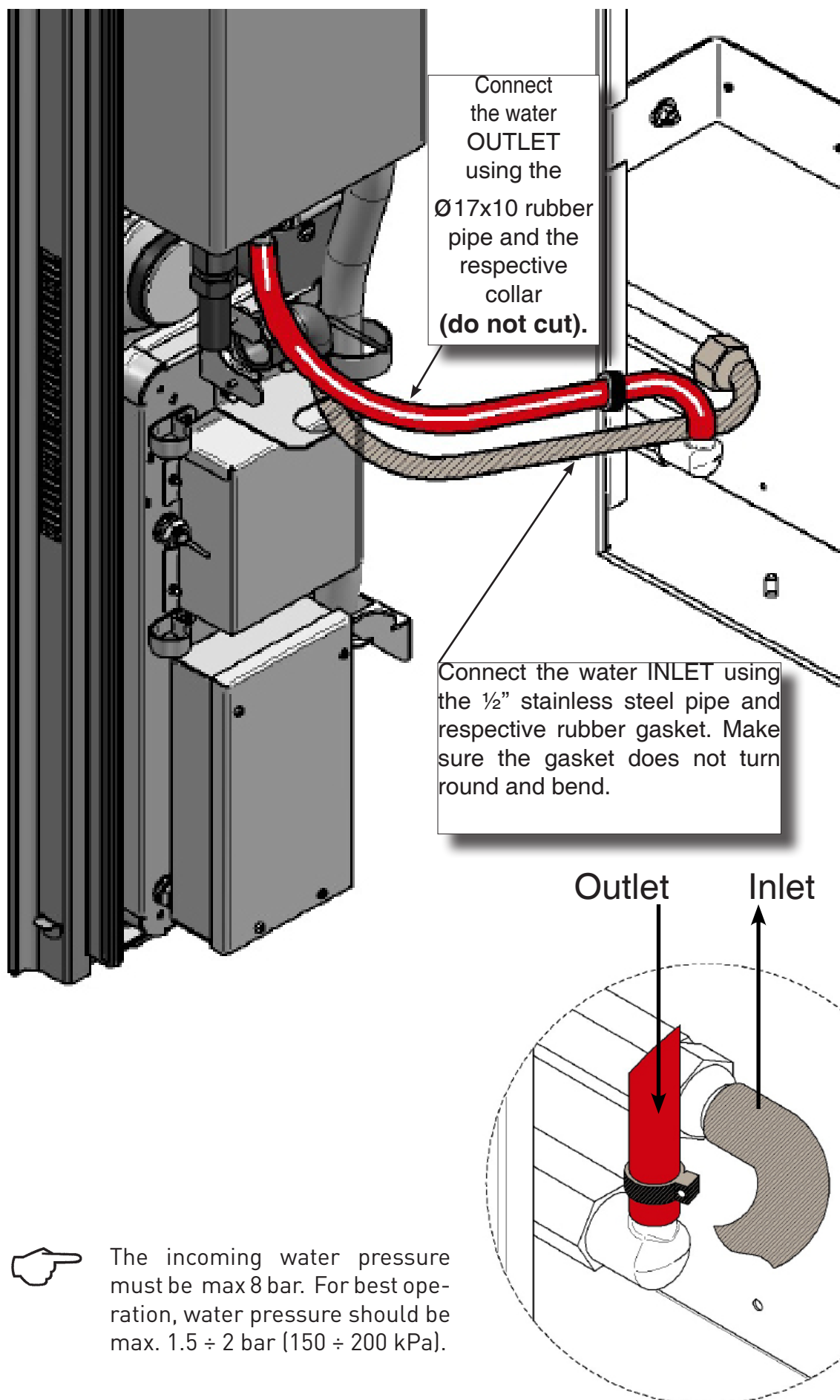
4.6. CONNECTION TO THE MAINS SUPPLY (WATER - ELECTRICITY)

Put the TOUCH&STEAM column near where it is to be installed.

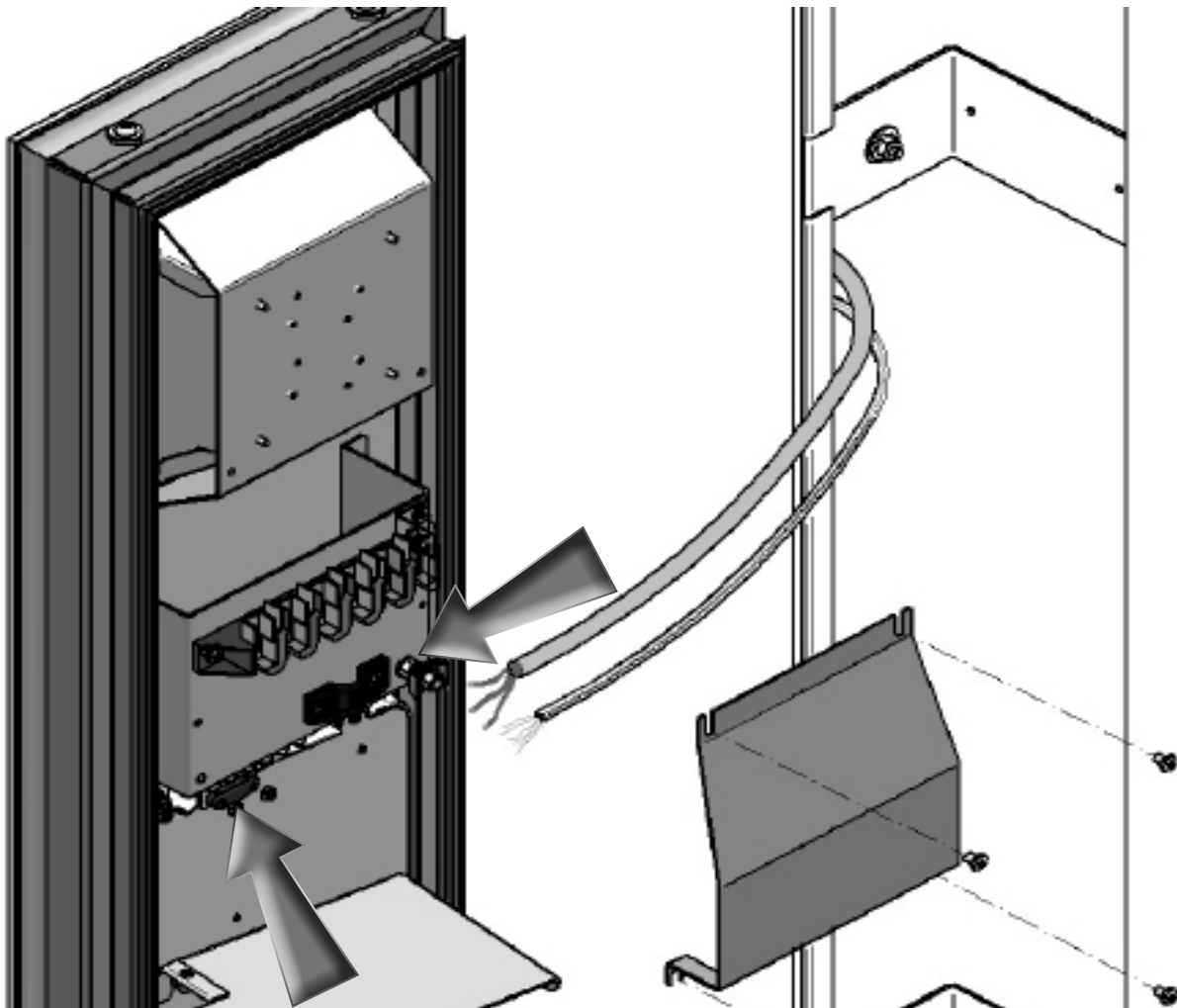
Keep the column vertical using the polyethylene foam head provided.



4.7. CONNECTION TO THE WATER MAINS (WATER INLET/OUTLET)



4.8. CONNECTION TO THE ELECTRICAL MAINS



Installation must be executed by a qualified technician in accordance with all the instructions in this manual and in conformity with standard CEI 64-8 (iec 364-1). Follow the wiring diagrams.




A circuit breaker permitting complete disconnection in accordance with overvoltage category III must be installed on the power line upstream of the appliance. For example: a circuit breaker ($d > 3 \text{ mm}$ + differential + fuse).

The appliance must be permanently connected to the mains with a differential protection device that has a rated differential current no greater than 30 mA.


Connection to the mains, the position of the main switch with differential, the control switch and the transformer must all conform to standard 64-8.

The cable should be installed and replaced, when necessary, by a qualified technician. Connect the wires of the power cable to the terminal marked F3-F2-F1-N-N-GND, in accordance with the wiring diagram and the type, single-phase or three-phase. Put the cable in the cable gland.

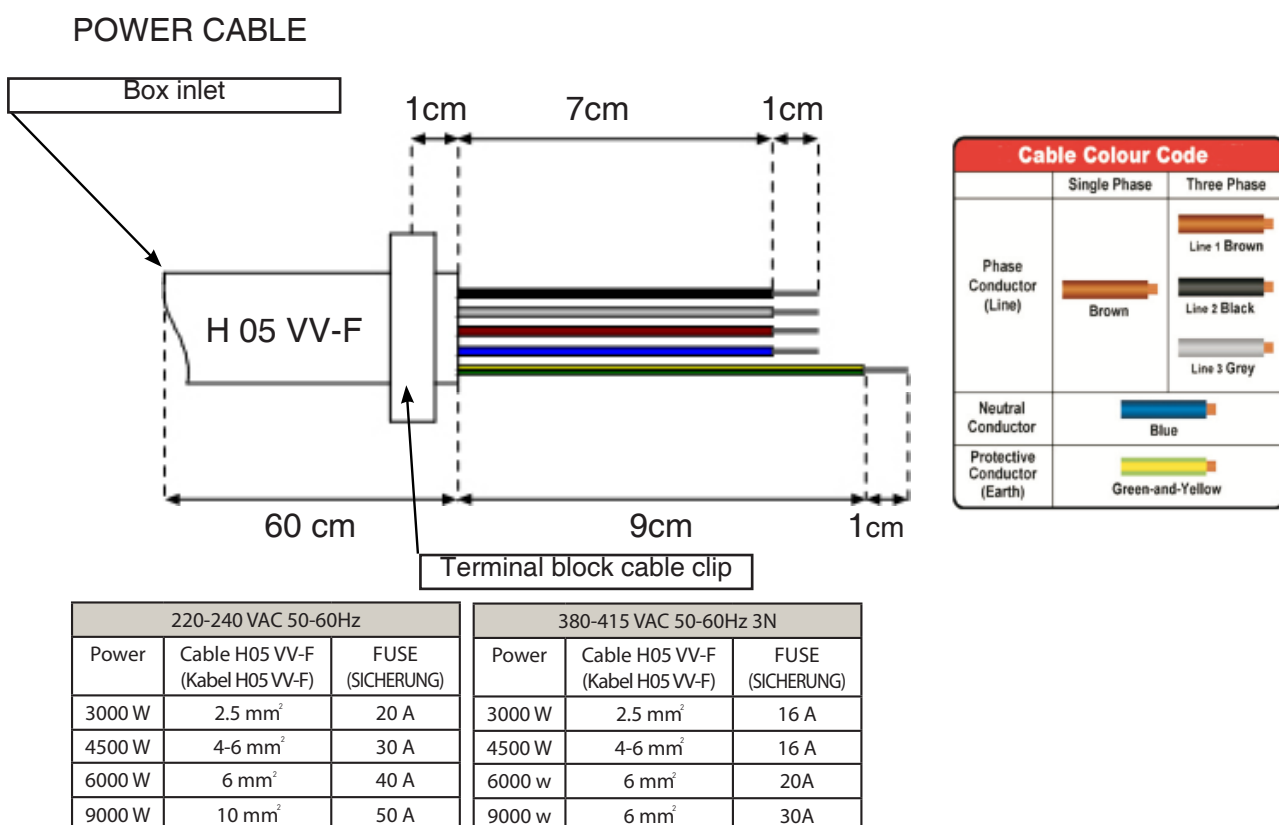
A connection must be made to the main earth terminal marked . Use the earth wire (yellow/green), longer than the active wires (N-F1-F2-F3).

Always take into account all the danger warnings and safety rules issued by domestic authorities.

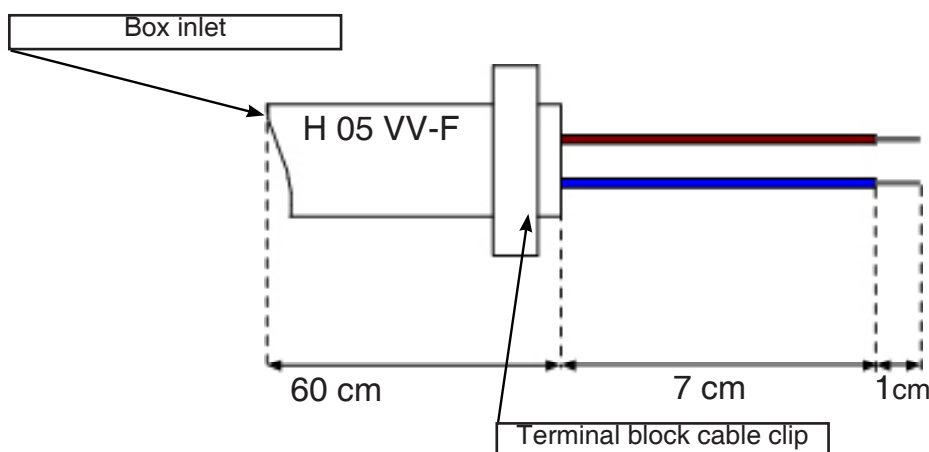
All maintenance and repairs must be executed by a qualified technician.

The TOUCH&STEAM column must be connected to the system's equipotential node as required by standard CEI 64-8 (IEC 364-1). Connect the yellow/green cable to the respective terminal marked .

Obey the measurements and length of the cables given in the stripping diagrams below. The column is fitted with cable-clips that should be used to prevent the cable from sagging and coming loose from the terminal block, compromising insulation and operation.

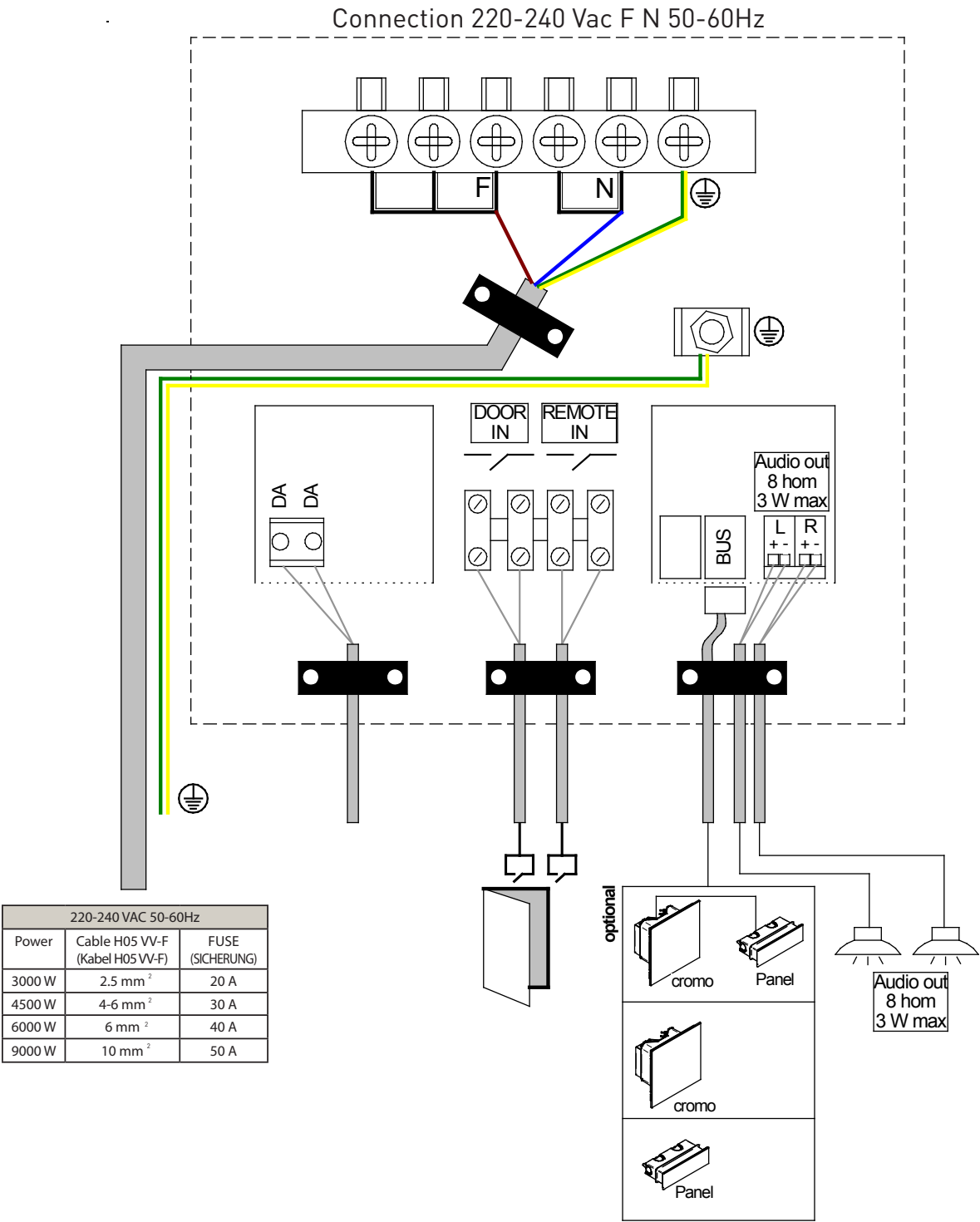


AUDIO CABLE IN



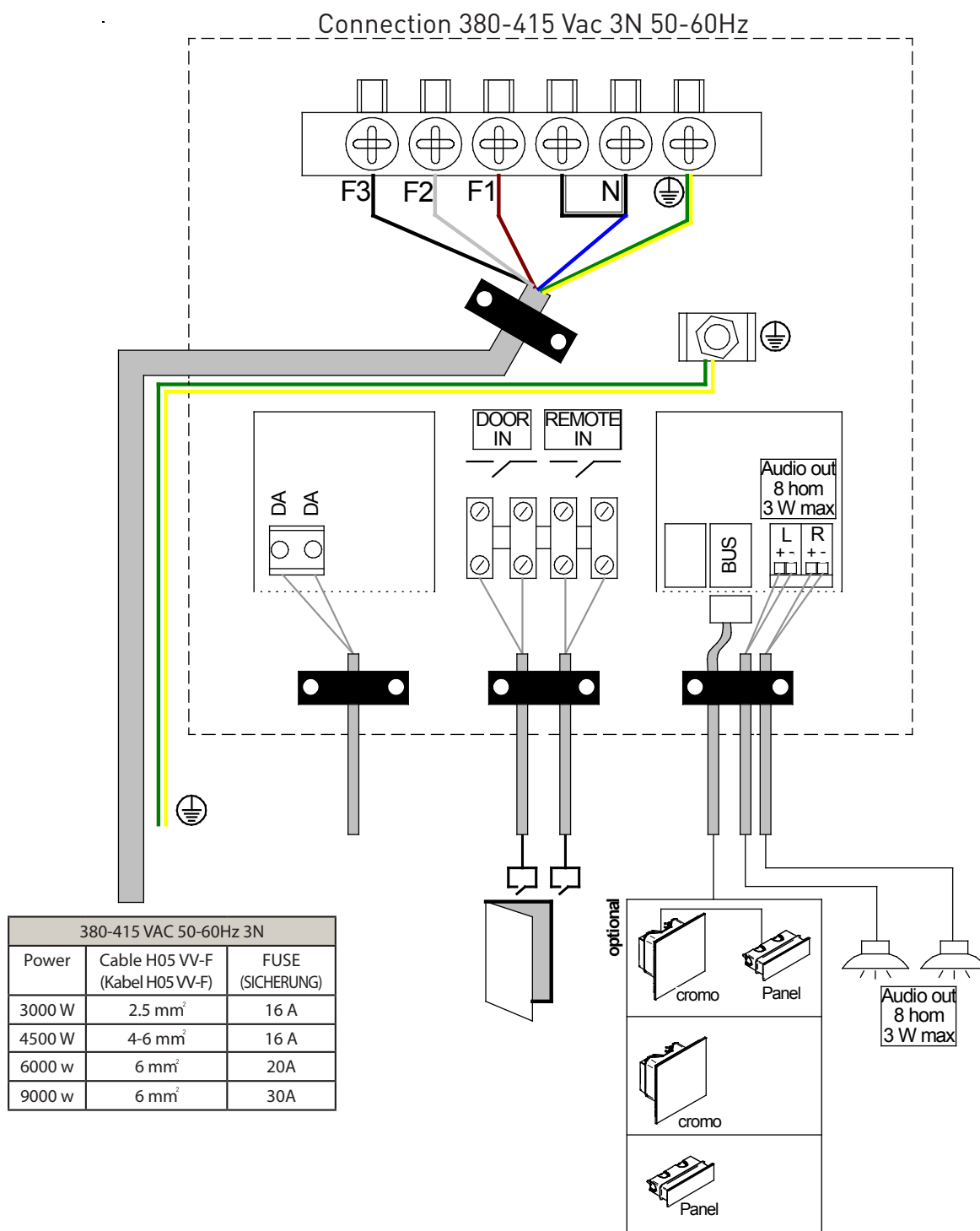
Audio cable IN (8 ohm - 10 W max)
Audio IN H05 VV – F 2 x 0.35 mm²

SINGLE-PHASE CONNECTION - OPTIONAL REMOTE



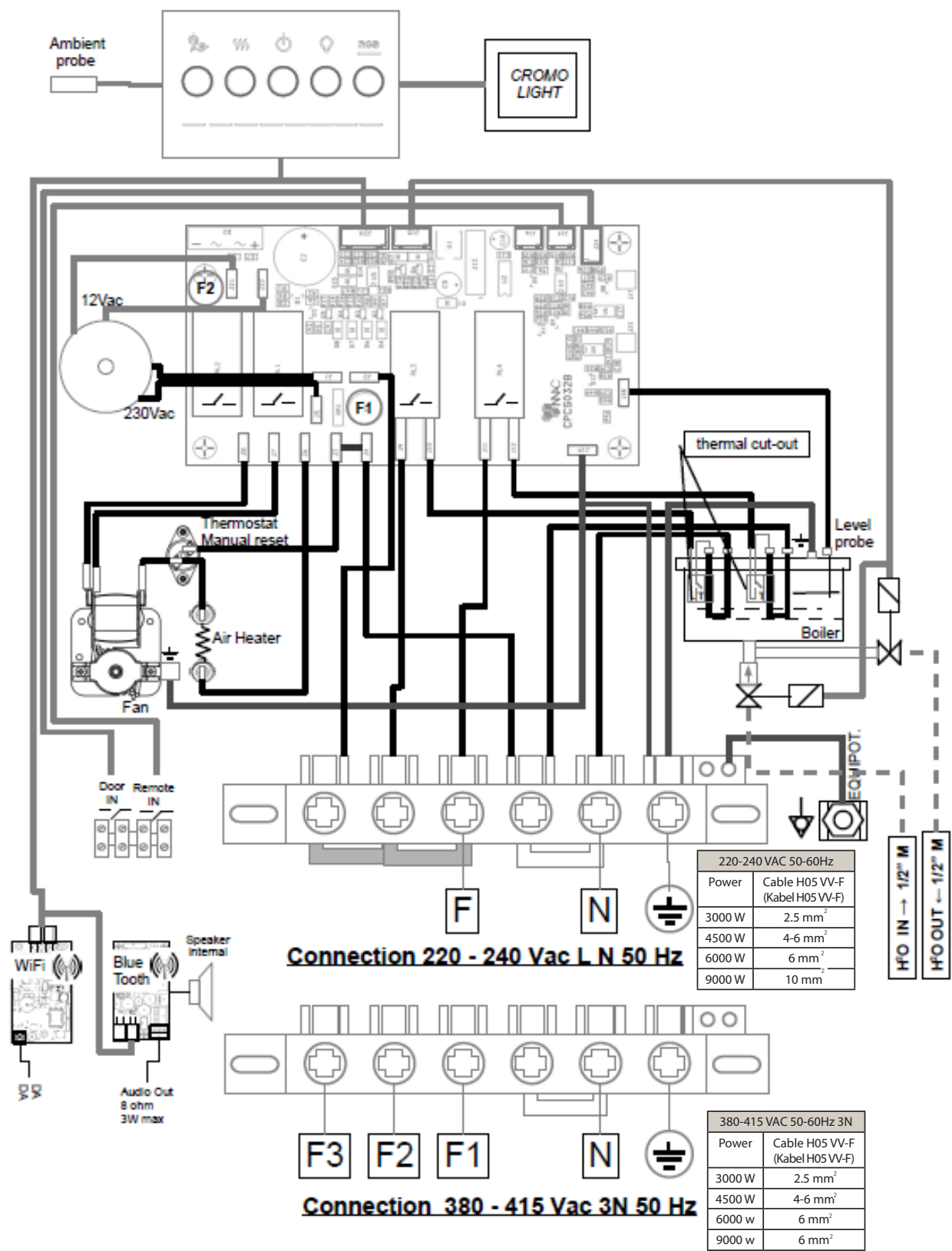
Cable Colour Code		
	Single Phase	Three Phase
Phase Conductor (Line)	<div><div></div>Brown</div>	<div><div></div>Line 1 Brown</div> <div><div></div>Line 2 Black</div> <div><div></div>Line 3 Grey</div>
Neutral Conductor	<div><div></div>Blue</div>	
Protective Conductor (Earth)	<div><div></div>Green-and-Yellow</div>	

THREE-PHASE CONNECTION - OPTIONAL REMOTE



Cable Colour Code		
	Single Phase	Three Phase
Phase Conductor (Line)	Brown	Line 1 Brown
		Line 2 Black
		Line 3 Grey
Neutral Conductor	Blue	
Protective Conductor (Earth)	Green-and-Yellow	

WIRING DIAGRAM



4.8 START-UP PROCEDURE

OPTIONAL EXTRAS

If the optional RGB colour-therapy light fitting, the white light fitting and the external control panel have been fitted to the Touch&Steam generator, the START-UP sequence must be run during installation. The purpose of this sequence is to synchronise all the installed elements (generator, control panel, lighting). Once this sequence has been run, all the functions of your Hammam/Turkish bath will be easy to run from the control panel.

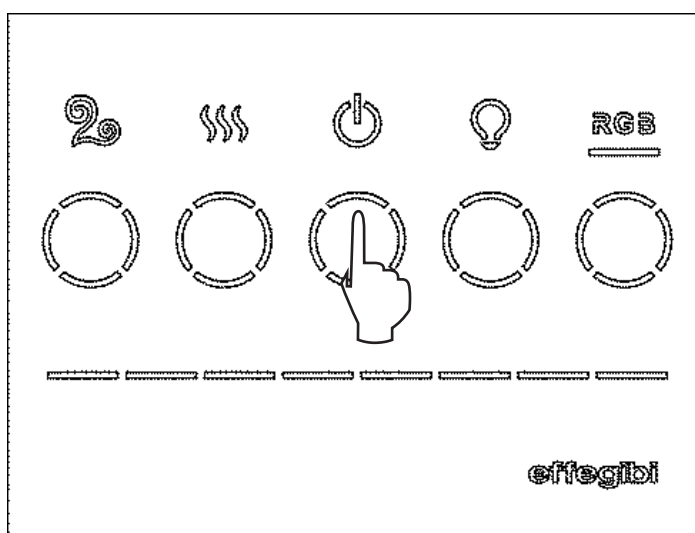
The start-up sequence needs only be repeated after additional optional EFFEGIBI features have been added at a later date.

Make sure that the steam generator is connected to the electricity and water supplies.

If there is also a second optional external panel, the start-up sequence must only be run from the Touch&Steam steam generator.

Switch on the panel by pressing the "ON/OFF" button (fig. A).

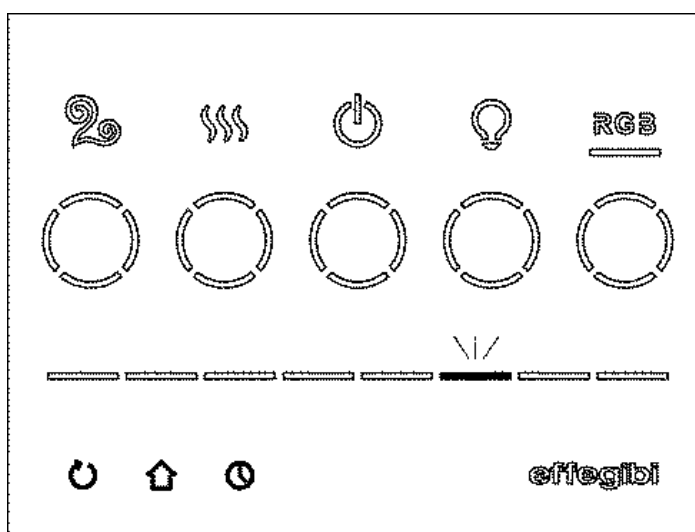
fig. A



The panel will display all the icons with a dim light.

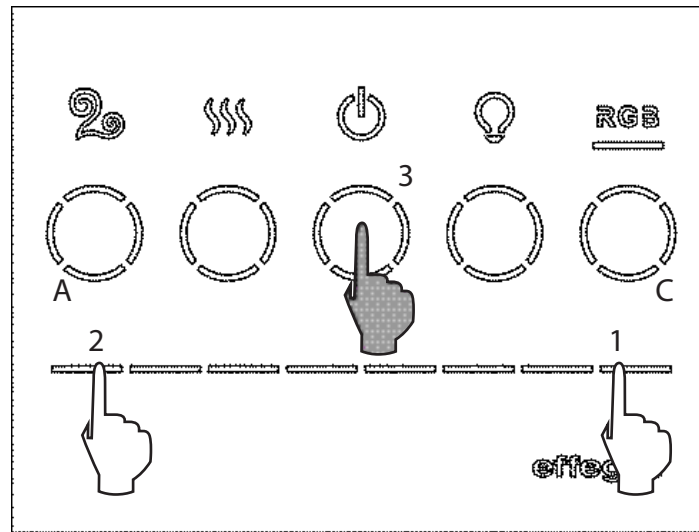
Temperature button 6, the maintenance signal and the EFFEGIBI logo will all glow with a bright light (see fig. B).

fig. B



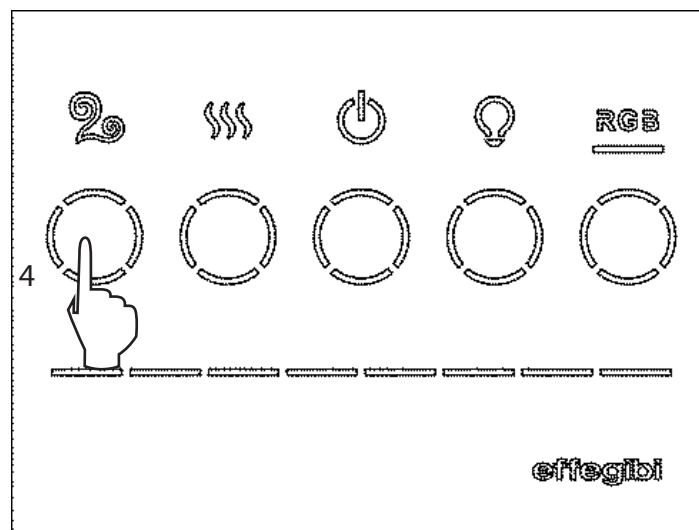
Press the temperature controls, buttons "C" and "A", firmly and in rapid succession, and they will glow brighter, and then the "ON/OFF" button. In Fig. C the sequence is shown as numbers "1", "2" and "3". The "ON/OFF" button (shown as number "3") must be pressed firmly for a few seconds until all the control panel buttons have been flashing for a few seconds.

fig. C



The "ON/OFF" button (shown in Fig. C as number "3") will start to flash. Now hold down the "Hammam/Turkish bath" button for at least 5 seconds (shown in Fig. D as number "4") until it starts flashing. The button will flash for a few minutes. During this phase the generator is recognising all the additional features installed.

fig. D

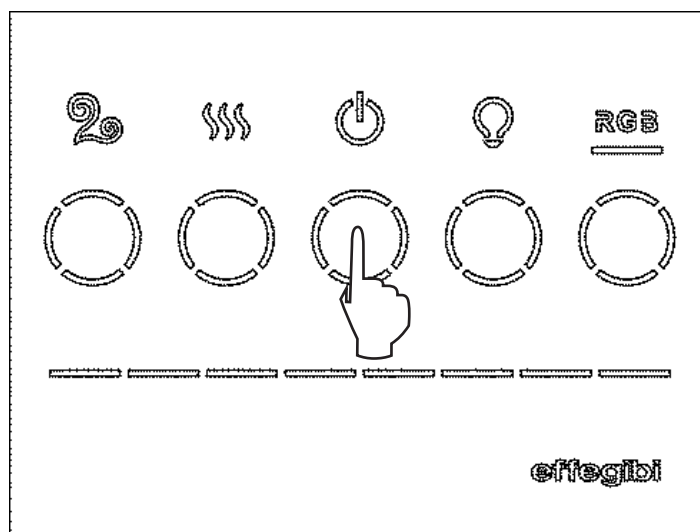


Now follow the procedure on the next page.

When the recognition phase is complete, the "HAMMAM/TURKISH BATH" button (shown in Fig. D as number 4) will stop flashing, but remain lit and the "ON/OFF" button will start flashing again.

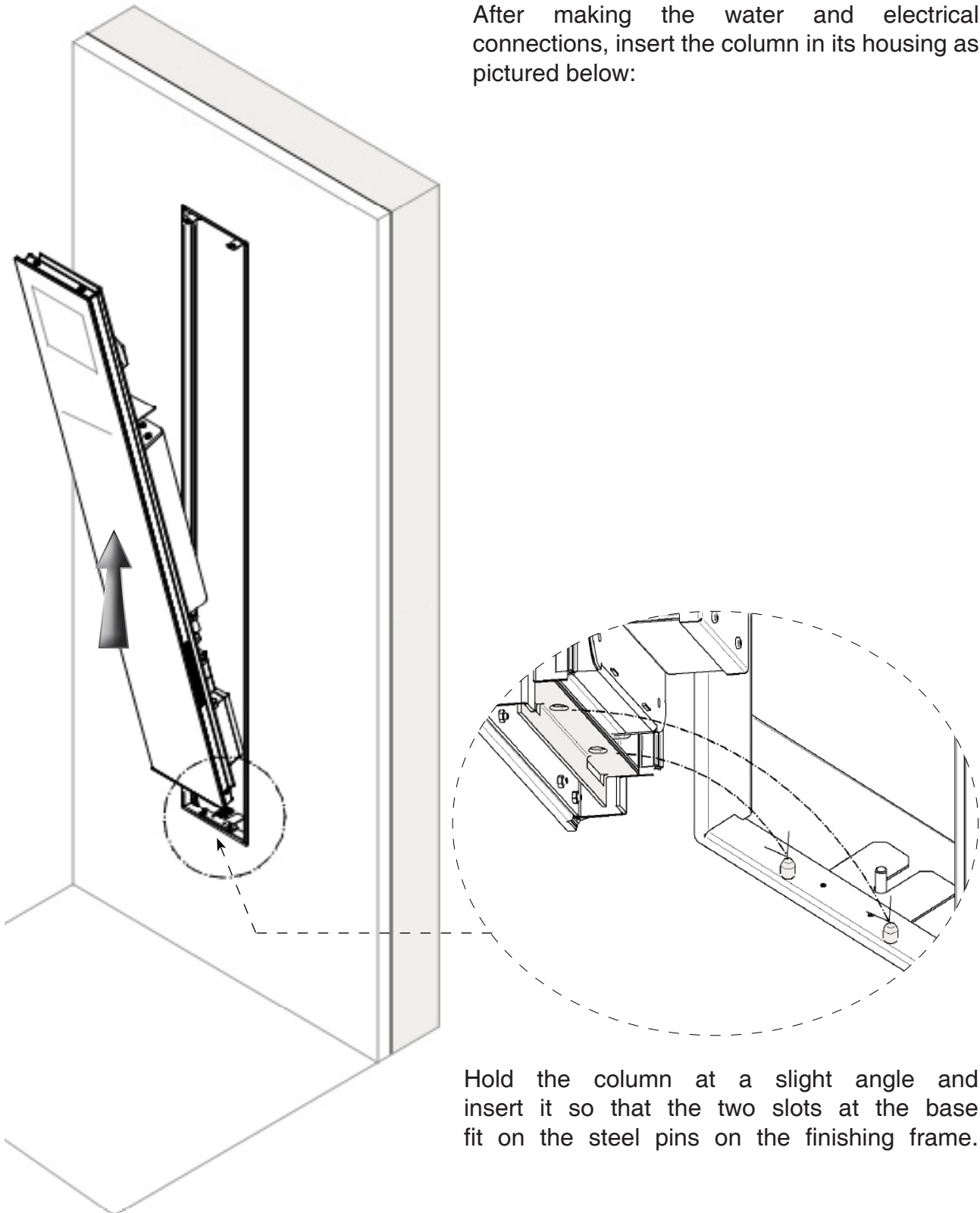
Press the "ON/OFF" button as shown in Fig. E: the panel will exit from the technical menu. When you press the "ON/OFF" button again, you can use your Hammam/Turkish bath.

fig. E

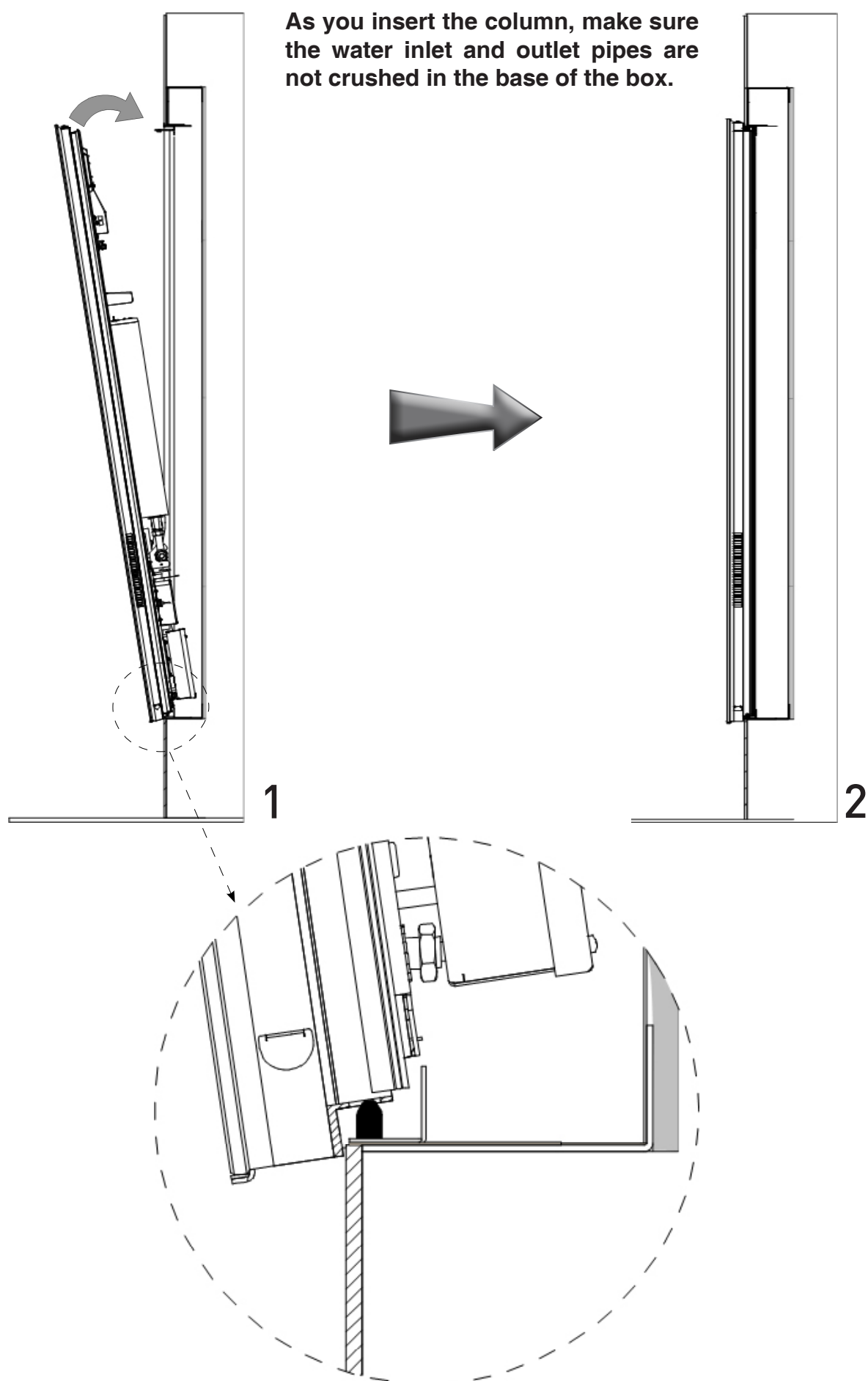


4.9. INSERTING THE COLUMN

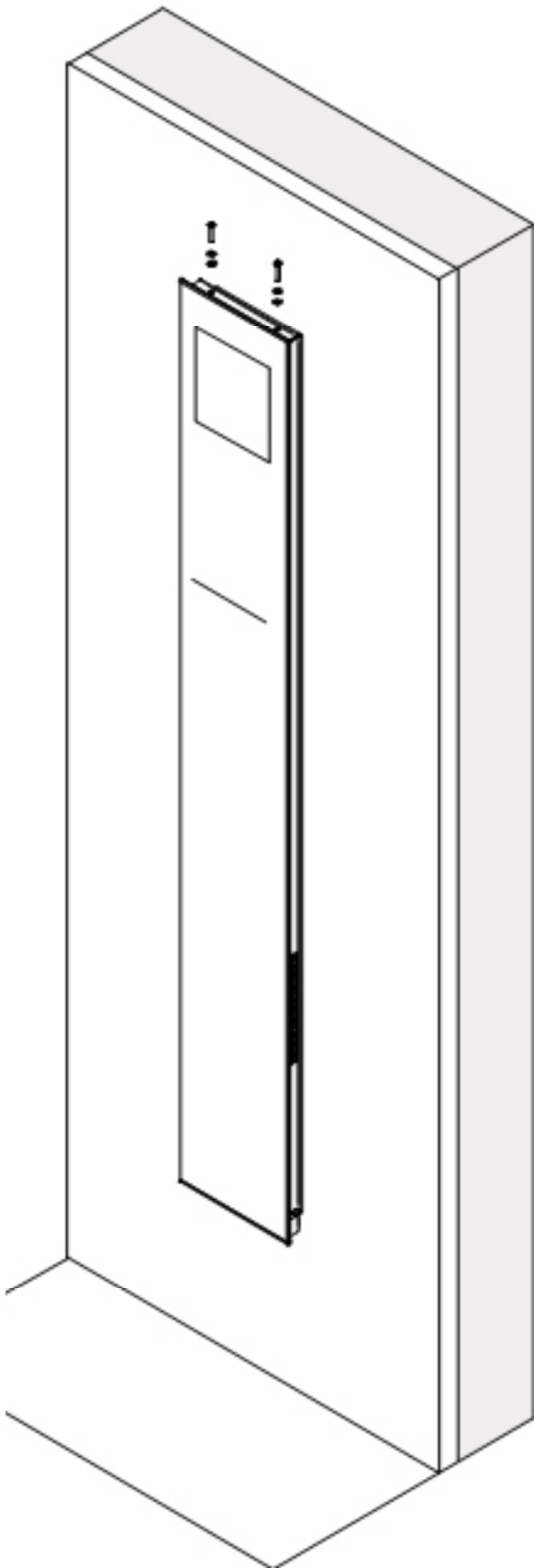
After making the water and electrical connections, insert the column in its housing as pictured below:



Hold the column at a slight angle and insert it so that the two slots at the base fit on the steel pins on the finishing frame.

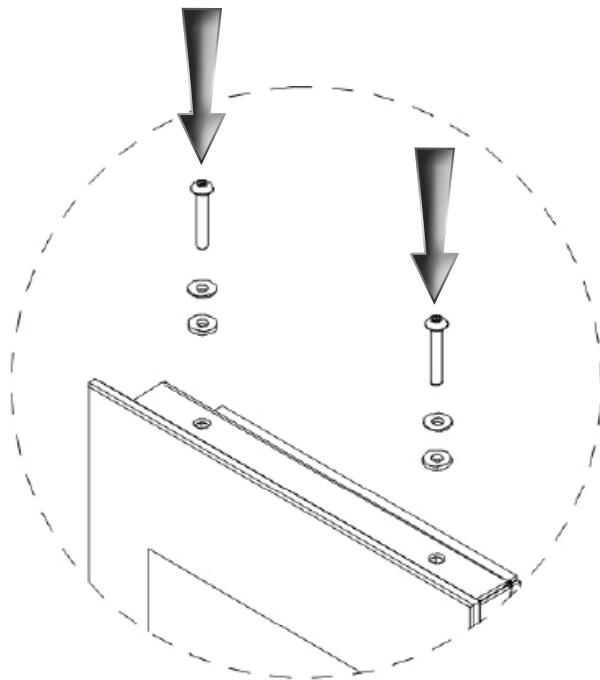


4.10. ATTACHING THE COLUMN



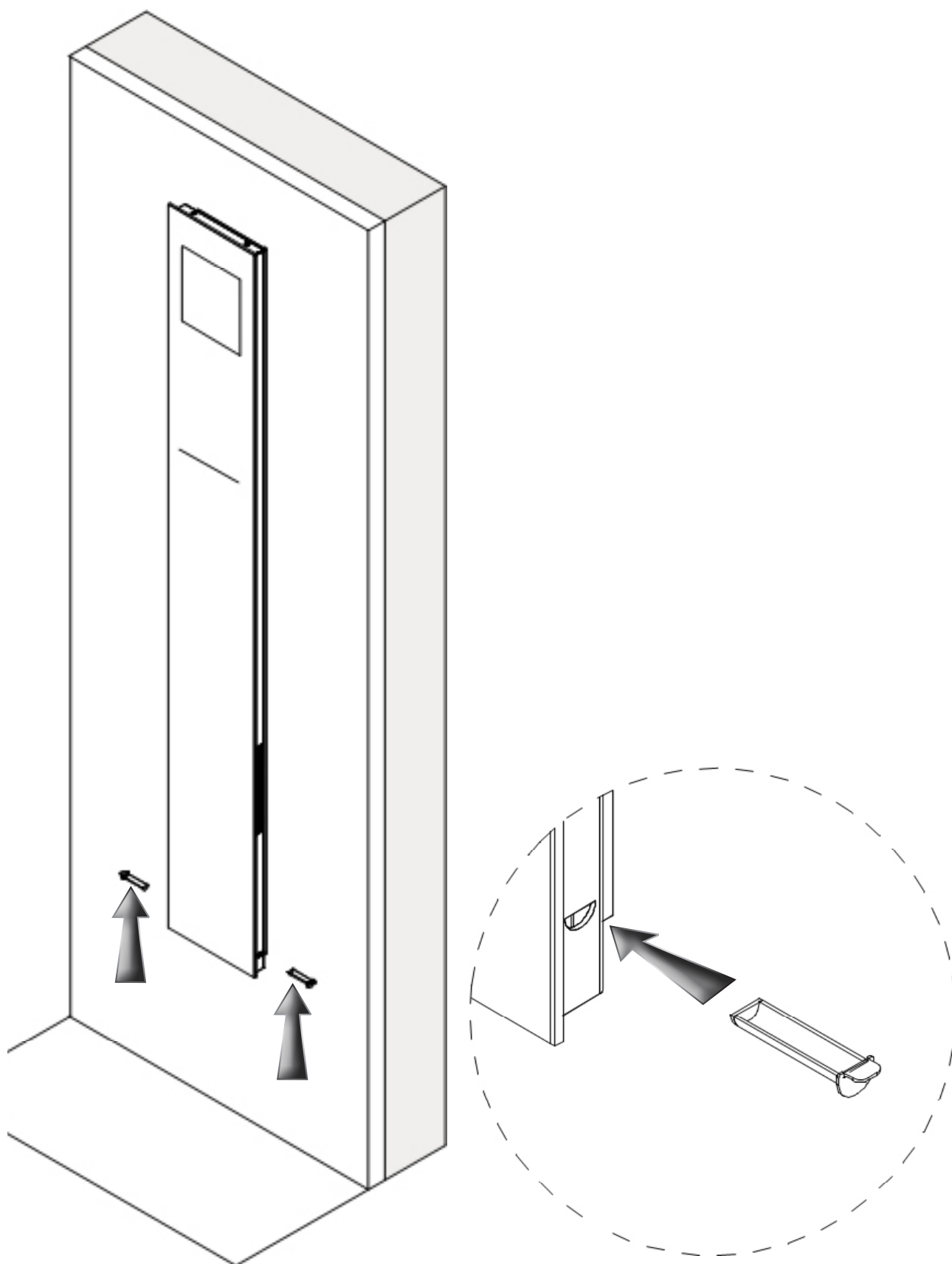
After the column is inserted in the box, it is **IMPORTANT** to attach the 2 clamping screws and their washers at the top (next to the data label).

These screws are needed to attach the column to the wall and ensure IPX5 protection against water spray.

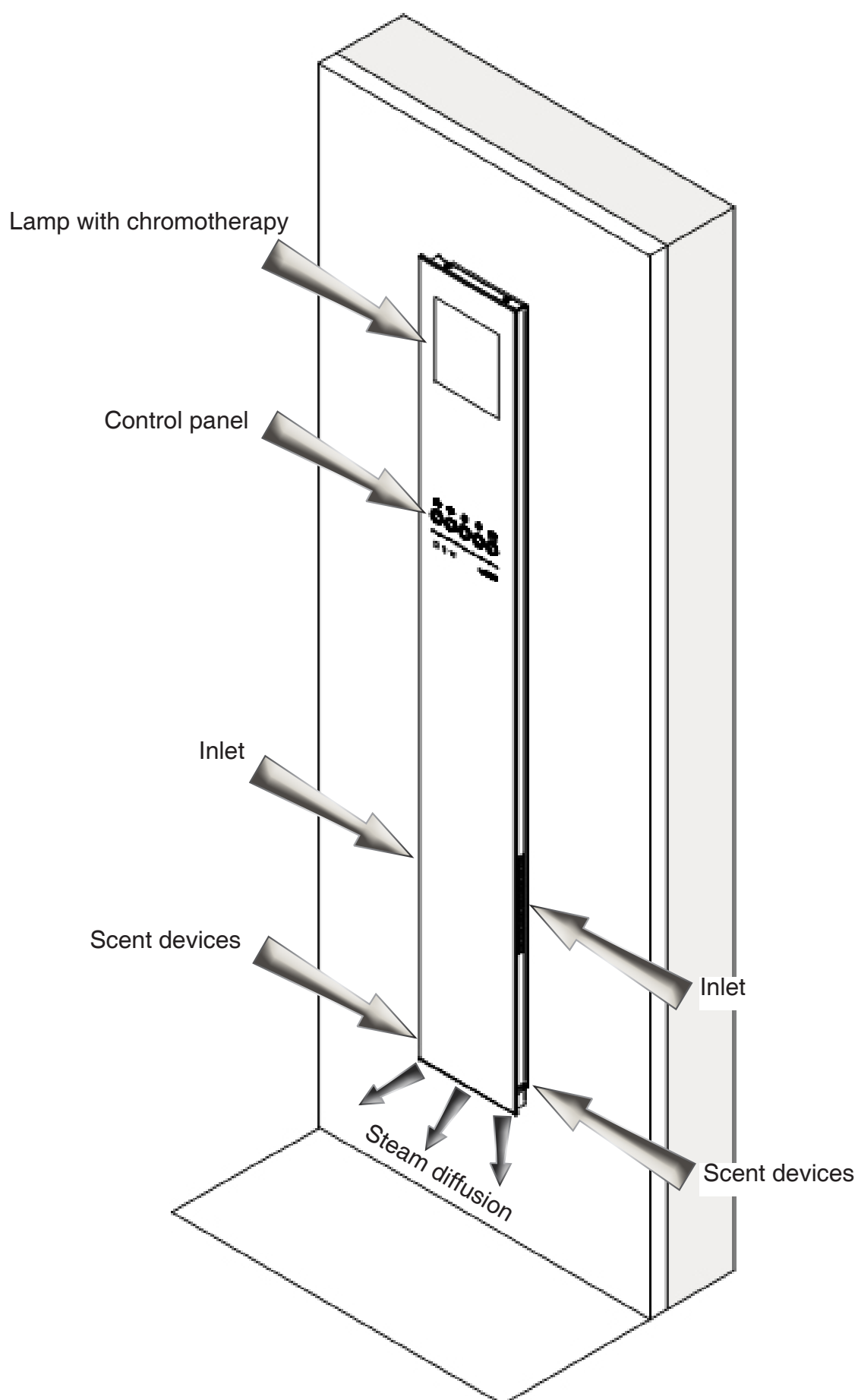


Attach the TOUCH&STEAM with the screws and washers and silicone gaskets.

4.11. INSERTING THE SCENT DEVICES



5. DESCRIPTION OF THE TOUCH&STEAM





effegibi®

Via Gallo, 769
47522 Borello di Cesena (FC)
Italy
tel. +39 0547 372881
fax +39 0547 372924
www.effegibi.it
e-mail: info@effegibi.it

MAHA000019_REL 3