



PRO900

AUTHENTIC COOKING EQUIPMENT

WATER JACKETED BOILING PAN

INSTALLATION MANUAL



INSTALLATION MANUAL
FR-PRO900-E1_MBE_150_BME_C-REV C
Written by ECE on 06/05/19
Revised by JGD on 19/10/20

APPLICABLE TO:

V03247				

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REVISION HISTORY

Revision index	Author of the revision	Date of the revision	Nature of the revision
A	ECE	06.05.2018	First edition
B	JGD	06/10/2020	Updated spare parts list and wiring diagram



INTRODUCTION

1. FOREWORD

Thank you for choosing Charvet equipment for your installation. Our equipment is designed and manufactured in France by our teams, who are committed to meeting five targets: Robustness, performance, hygiene, ergonomics, and safety.

If, however, despite our commitment and effort, you encounter a problem with one of our products, please get in touch with our After-sales service.

2. USEFUL CONTACT DETAILS

For any information, or sales request:

✉ info@charvet.fr ☎ +33 (0)4 76 06 64 22

For all technical assistance requests, contact our After-sales service department:

✉ sav@charvet-sa.fr ☎ +33 (0)4 76 06 64 22

3. WARRANTY



INFORMATION

The warranty is part of the sale contract. For any installation or work carried out under the warranty, contact an authorised dealer. In addition, we would like to remind you that the CHARVET warranty does not cover damage caused by faulty installation, misuse or inadequate maintenance. Please read this manual in full.

4. RESTRICTIONS ON USE



INFORMATION

This appliance should only be used by qualified persons. It is mandatory that the installer provides training to the users of the appliance once the installation is complete. After the user training the User Manual (Below) must be passed to the final user for their records. CHARVET equipment should not be used by untrained personnel unless they are under the supervision of a person who is liable and can guarantee their safety.

5. EQUIPMENT DISPOSAL



INFORMATION

Exclusively for France:

In accordance with Decree No. 2014-928 of 19 August 2014, concerning the disposal of waste and electrical and electronic equipment, the Paul CHARVET company is responsible for the organisation and financing of the collection and processing of professional WEEE placed on the market from 13.08.2005. As such, the CHARVET company is a member of ECOLOGIC, an eco-organisation approved by the state.

How WEEE is disposed of:

At the end of its life, the equipment must be palletised and made available to the carrier in an accessible place. Except in exceptional circumstances, the equipment shall not have been dismantled, even partially. Otherwise, the CHARVET company reserves the right to re-invoice the costs of processing and taking responsibility for the equipment.

In addition, all requests weighing less than 500 Kg shall either be dropped off by the end user at a collection point or collected from the end user's premises, in which case the end user will be liable to pay the cost of such collection.

For any request for collection:

www.e-dechet.com

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INSTALLATION

1. GENERAL POINTS

The installation must be performed by a certified installer, who will install the equipment in compliance with the instructions provided in this manual and in compliance with local regulations.
Attention must be paid to the local regulations concerning fire prevention.

2. HANDLING

For all handling, leave the appliance on its wooden pallet during the handling process until the final installation.
Unpack and check the appliance for damage upon receipt.



WARNING

In the event of damage:

In case of damage, detail it immediately on the delivery note; notify the carrier by registered mail with acknowledgement of receipt within 48 hours.

3. INSTALLATION

The appliance must be placed under a functioning extraction hood. If the appliance is to be installed against a wall or partition, near a piece of furniture or decorative borders, it is recommended that these are made of fireproof material.

If this is not the case, they must be protected by an approved fireproof, insulating material. If there is any doubt about the nature of the materials in the vicinity of the appliance, place it at a minimum distance of 20 centimetres from the wall.

4. ASSEMBLY AND SPECIAL PRECAUTIONS

It is mandatory that the appliance be levelled before any use. To set the level it is possible to adjust each leg (or bolt if using a concrete plinth) individually.

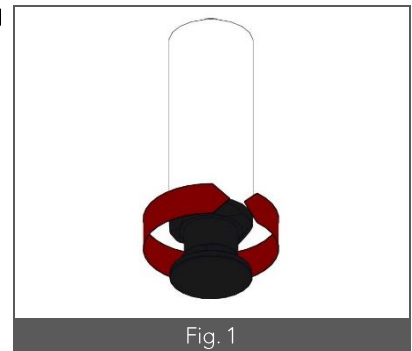


Fig. 1

5. DATA PLATE

Each appliance has a data plate. This is located on the trim panel of the tank support structure (behind the tank), or on the front panel of the right arm.

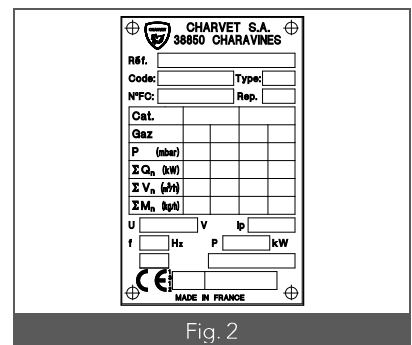


Fig. 2

ELECTRICAL CONNECTION



WARNING

Instructions for the electrical connection of the appliance:

- Do not work on live cables.
- The appliance must be earthed.
- Use 245 IEC 57 or 245 IEC 66 standard cables (or other cables with similar characteristics).
- Ensure that the user's fixed installation has an all-pole circuit breaker with point gap in compliance with standard EN 60335 – 1.
- The section of the cable connecting the appliance to the supply should be sufficient for the voltage of the appliance.
- If the cable is damaged, a qualified person must be called in to replace it.

In the case of a mobile appliance connected to the network via an electric socket:

- The size of the electric plug depends on the power of the appliance. If necessary, replace it with a socket with the same characteristics.
- During use, the electric socket must remain accessible at all times.

1. BEFORE ELECTRICAL CONNECTION

Before making the electrical connection of the appliance, you must:

- Locate the position of the electrical junction box, which is mounted on a plate under the left arm of the appliance (Fig. 3 Item 1).
- Check that the appliance's power supply is switched off while connecting the appliance.
- Ensure that the electrical voltage of the supply is compatible with the voltage and power required by the appliance.

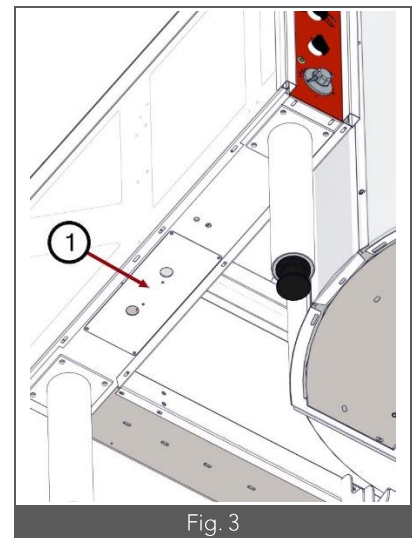


Fig. 3

2. ELECTRICAL CONNECTION

Connect the installation's fixed electrical supply to the appliance's electrical circuit via the junction box.

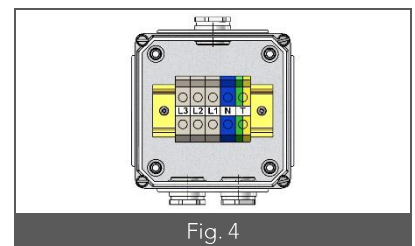


Fig. 4

Equipotential bonding:

The appliance must be included in an equipotential system, the operation of which must be verified in accordance with the regulations in force in the country of installation. Connect the equipotential terminal, the location of which is marked by the standard symbol IEC60417-502 2002-10 (shown in illustration).

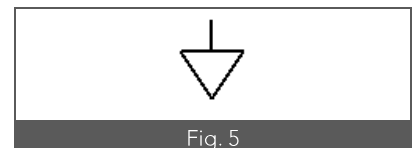


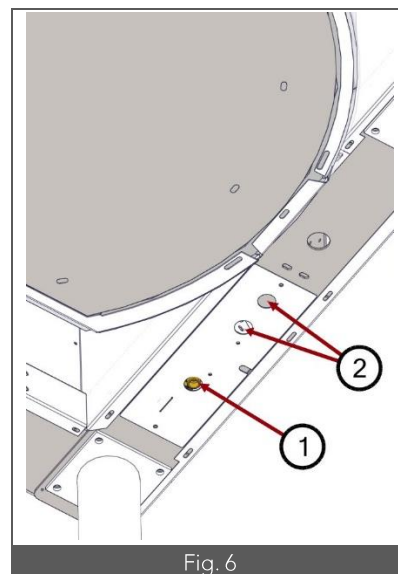
Fig. 5

3. AFTER CONNECTION

After connecting the appliance, ensure that the cable connections to the terminal block are sufficiently tight, and that the system is properly earthed.

WATER CONNECTION

If the appliance is fitted with a drain or a mixed water tap, the connection must be made at the connection point(s) on the appliance intended for this purpose. Their locations are shown in the figure opposite. The water jacket is connected at 1, the hot and cold water connections for the hot /cold mixed water tap are at 2.



WARNING

Charvet recommends that its users connect the water jacket water connection to a soft water supply.

STARTING UP

Once the appliance has been installed, remove all protective plastic wrapping, then test each function of the appliance; please refer to the paragraph on 'Normal use' in this user manual.

If the test is successful, the appliance should be fully cleaned, in accordance with the instructions given in the paragraph on 'Cleaning' in the user manual, before delivery from the site to the end customer.

When delivering from the site to the user, the user or person in charge should be given the user manual for each appliance.

ADJUSTMENTS – MAINTENANCE: ELECTRICAL APPLIANCES



WARNING

Instructions for maintenance operations on an electric appliance:

- Do not work on live cables.
- Ensure that there is no voltage in the circuit before starting any operation.
- It is essential that original CHARVET parts be used when replacing a defective part.

1. CONTROL PANEL REMOVAL

The control panel is held by a retaining tab at the top and two screws at the bottom. To remove it, it is therefore necessary to remove the two screws (Fig. 7 Item 1), then pull the control panel down at an angle.

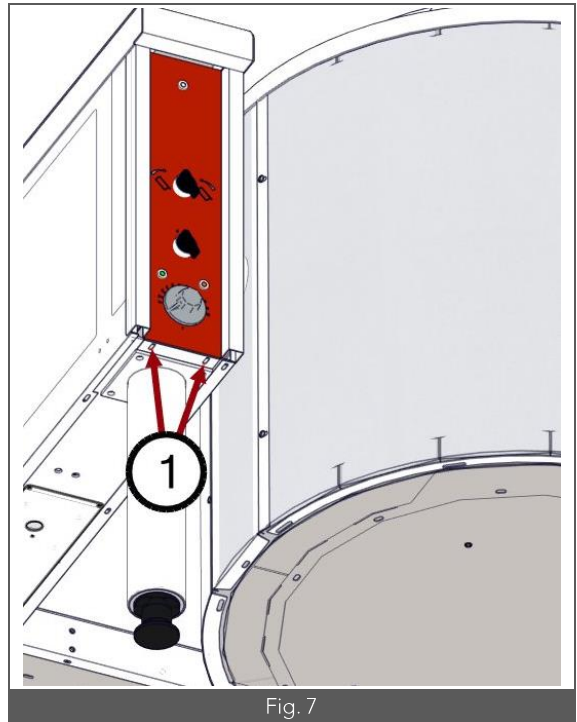


Fig. 7

2. ACCESSING THE PORTABLE IMMERSION HEATERS

- Unscrew the drain tap (Fig. 8 Item 1) and the cover behind it.
- Unscrew the two screws (Fig. 8 Item 2) located to the left of the tank. Two other screws are located on the other side of the tank, unscrew them too.
- Unscrew the five screws (Fig. 8 Item 3), to release the tank's front trim panel.
- Remove the front trim panel by pulling it down.

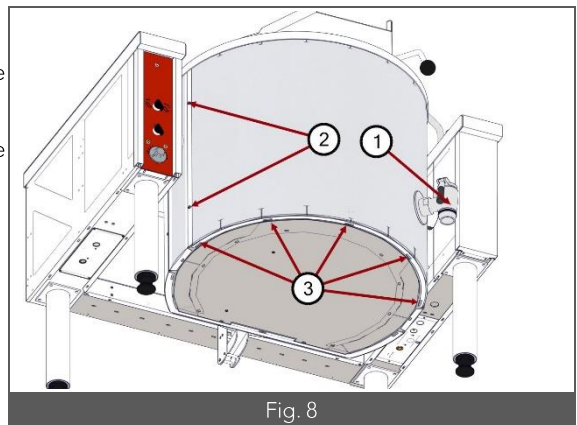
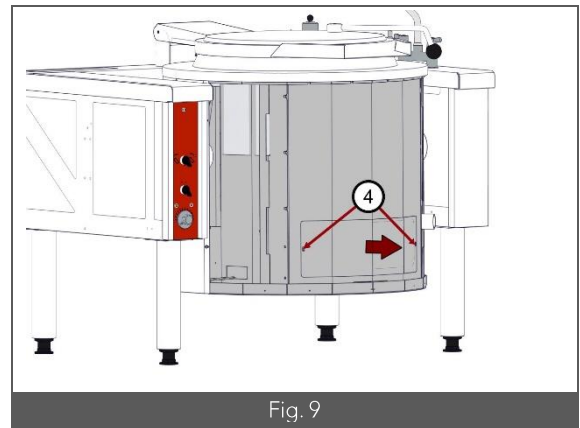
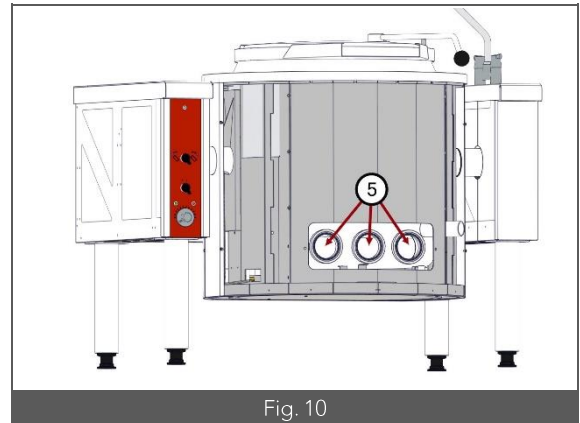



Fig. 8


- Unscrew the two screws (Fig. 9 Item 4).
- Remove the concealing panel.



- With the panel removed, it is possible to access the portable immersion heaters (Fig. 10 Item 5).

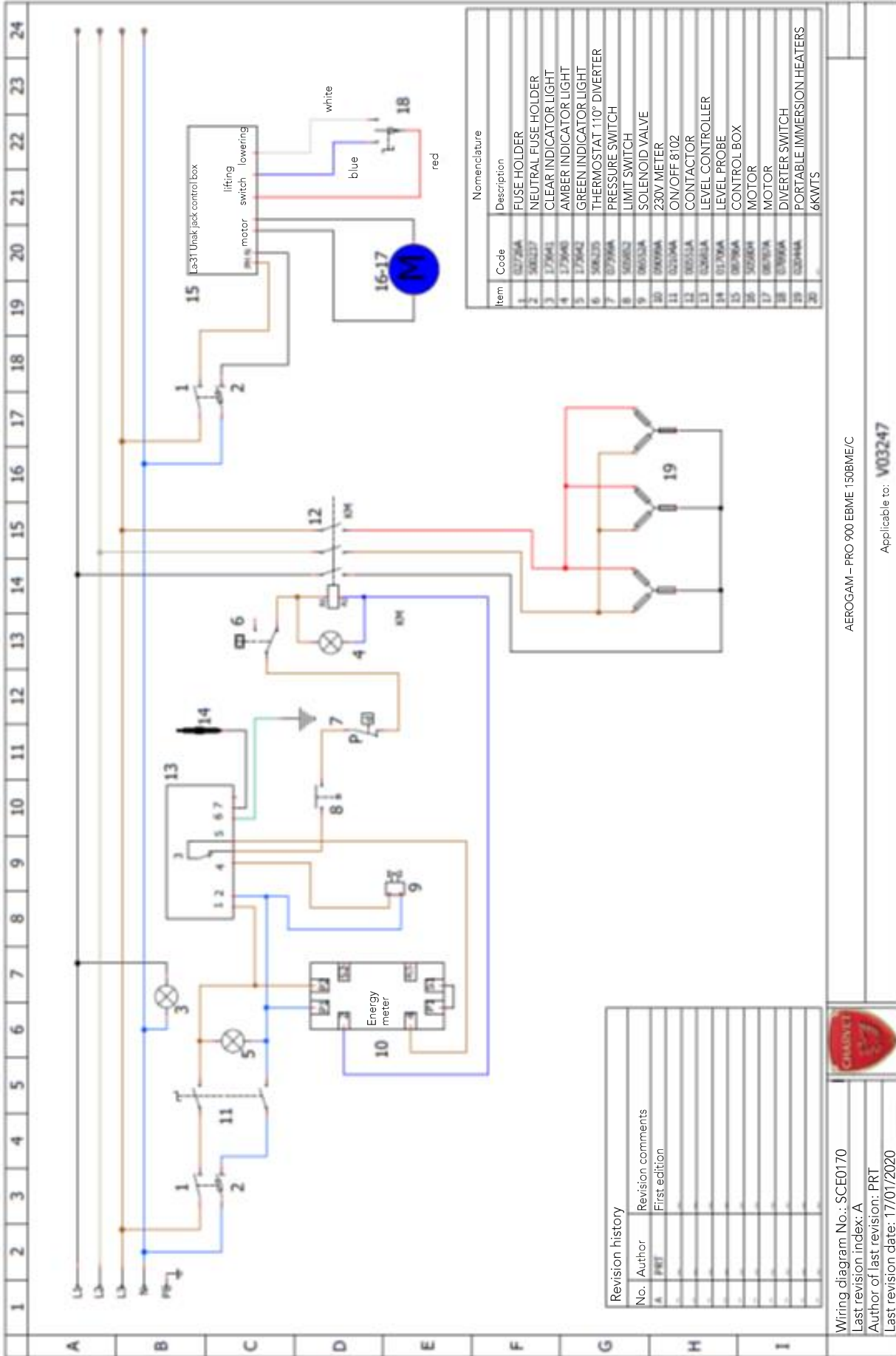



OUVERTURE TOTALE DU COUVERCLE AVANT DE BASCULER LA CUVE.


FULL OPENING OF THE LID PRIOR TO THE TILTING THE TANK.

Charvet cannot be held liable for any damage caused by misuse.

WIRING DIAGRAM



Item	Code	Description
1	0272AA	FUSE HOLDER
2	503237	NEUTRAL FUSE HOLDER
3	179641	CLEAR INDICATOR LIGHT
4	179640	AMBER INDICATOR LIGHT
5	179642	GREEN INDICATOR LIGHT
6	508425	THERMOSTAT 110° DIVERTER
7	07996A	PRESSURE SWITCH
8	505662	LIMIT SWITCH
9	06552A	SOLENOID VALVE
10	06009A	230V METER
11	0210AA	ON/OFF 8102
12	06552A	CONTACTOR
13	02662A	LEVEL PROBE
14	01700A	CONTROL BOX
15	06706A	MOTOR
16	50556H	MOTOR
17	06707A	DIVERTER SWITCH
18	07956A	PORTABLE IMMERSION HEATERS
19	02244A	6KWTS

Revision history	
No.	Revision comments
1	First edition

Wiring diagram No.: SCE0170
 Last revision index: A
 Author of last revision: PRT
 Last revision date: 17/01/2020

AEROGAM – PRO 900 EBME 150BME/C
 Applicable to: V03247



BASIC EMERGENCY SPARE PARTS

Code	Description	Photo
173640	Amber light 230V	
173641	White light 230V	
173642	Green light 230V	
02104 A	On/Off switch	
06652 A	Solenoid valve	
00551 A	Contactor	
02681 A	Level controller	
07399 A	Pressure switch	
08787 A	Jack cable	

Code	Description	Photo
01706 A	Level probe	
09099 A	Energy meter	
ELE0304	Thermostat 30- 110°C	
08785 A	Electric jack	
08786 A	Jack control box	
02044 A	Portable immersion heater 6kW	
505852	Limit switch sensor	
07890 A	Jack switch	
506235	Thermostat 110° diverter	



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USER MANUAL



USER MANUAL
FR-PRO900-E1_MBE_150_BME_C-REV C
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1. WARNINGS



This appliance is intended for professional use, and should therefore be used by qualified personnel, as intended and as instructed in this document.
Any abnormal use of this equipment could have consequences on its operation, but also on the safety of property and persons.
This appliance is equipped with several safety devices. In case of malfunction, please cut off all supplies (electricity, gas, water, etc.) and contact a qualified installer for repair.

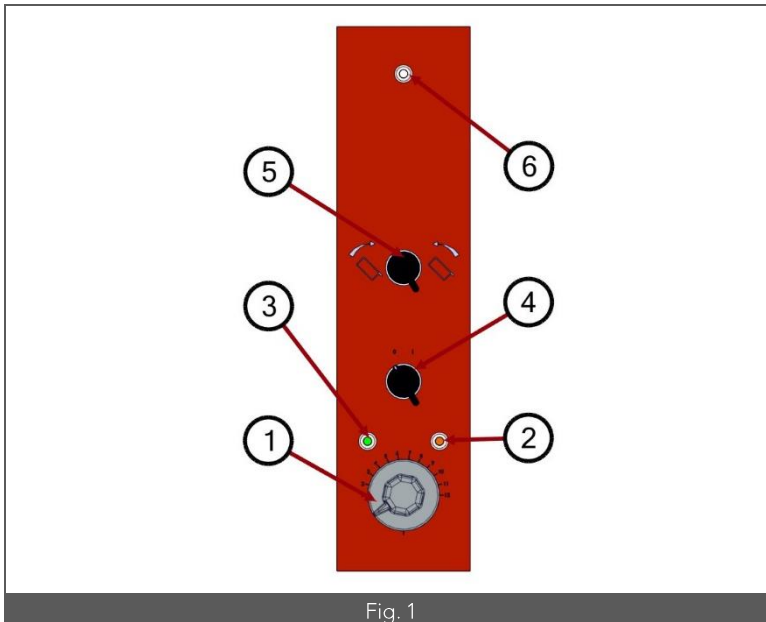
- Do not attempt to repair a defective appliance by yourself, in case of malfunction, please isolate the device (cut off its supplies, and limit access to the appliance to authorised persons only), pending the work by the installer.
- Do not use an appliance when it has gone into safe mode, do not attempt to bypass its safety device(s).
- Never use an appliance, especially when empty, without supervision.
- This equipment should be revised at least once a year by a qualified installer.
- Some parts of this appliance are protected by the manufacturer, in case of a fault, contact the installer for replacement or repair.

Neither the CHARVET company nor the installation company shall be liable for damage and/or injuries resulting from improper maintenance, misuse, or unauthorised modification of this appliance.

Special precautions for the use of the boiling pan:

- Do not heat the boiling pan when empty.
- Do not leave the boiling pan in operation unattended.
- Make sure to maintain the level inside the tank between the 'min.' and 'max.' marks.
- Be sure to use the black plastic parts when handling the tank lid or drain tap, otherwise there is a risk of burns.

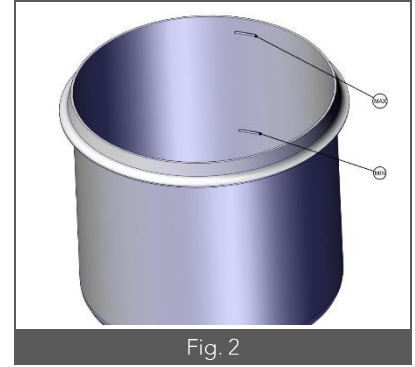
2. CONTROL PANEL



Nomenclature	
Item	Description
1	Energy meter
2	Amber 'heating' indicator light
3	Green 'in operation' indicator light
4	On/Off switch
5	Tilting switch
6	White 'voltage detector' indicator light

3. NORMAL USE

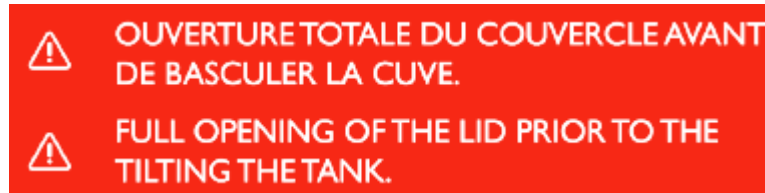
- Close the circuit at the circuit breaker, the white light (Fig. 1 Item 6) comes on, indicating that the appliance is powered on.
- Fill the pan with the necessary ingredients. (The level inside the tank should be between the min. and max. marks)
- Turn the On/Off switch (Fig. 1 Item 4) to On, marked 'I' on the panel. The green light (Fig. 1 Item 3) comes on, indicating that the appliance is in operation.
- Using the power selector (Fig. 1 Item 1), select the appropriate power. The amber light (Fig. 1 Item 2) comes on to indicate that the tank is heating.
- As soon as the required power is reached, the amber light goes out and the heating of the tank stops (note that the heating and the amber light will automatically come on again when the tank cools).
- Once the cooking process is complete, you can remove the food from the tank. Liquids can be drained or recovered via the drain tap located at the front of the appliance. Solids can be recovered from the top of the tank.



4. SWITCHING OFF

At the end of the service or if the appliance will not be used for a long period of time, follow the procedure below to switch off the appliance:

- Turn the power selector control knob to the 'Off' or '0' position.
- Turn the On/Off switch to the '0' position.
- Wait until the appliance has cooled down and then clean it as described in the following section 'CLEANING & MAINTENANCE'.



Charvet cannot be held liable for any damage caused by misuse.

CLEANING & MAINTENANCE

1. WARNINGS



WARNING

Before cleaning the appliance, make sure that the parts to be handled have cooled down or equip yourself with suitable protection.

It is preferable to clean and maintain this equipment after switching it off.

This appliance must not be cleaned by means of water spray, water jets under pressure or steam. The use of bleach and/or acid, even heavily diluted, is absolutely prohibited.

2. CLEANING THE OUTER SURFACES

Clean each stainless steel panel with a sponge and soapy water (or any other neutral detergent). Rinse each panel thoroughly and dry with an oily cloth to preserve the stainless properties of the steel as long as possible.

In case of encrusted waste, a plant-based abrasive may be used to rub the surface. However, please follow the direction of polishing in order to avoid scratching the panels.

3. CLEANING THE FEATURES

For easier cleaning, we recommend that you position the tank at 90° or more, so as to facilitate the flow of water and minimize the risk of stagnation.

Pull the two strainers to remove them. The strainers can be cleaned in the dishwasher.

Clean the tank with a sponge and soapy water (or any other neutral detergent).

In the case of encrusted waste, it is possible to soak the tank in order to soften the waste and easily remove it with a sponge.

If the appliance has been used for cooking with salt, the inside of the tank should be thoroughly rinsed with clean water. Salt can attack stainless steel surfaces and cause premature wear.