

KUSINA

**BOILING PAN
(ELECTRICAL)**

**INSTRUCTION AND
MAINTENANCE MANUAL**

“Professionally with Professionals”

DESCRIPTION

Our dear customer,

Your preferred KUSINA is nature and technology friendly. We thank you for your choice.

KUSINA has been produced with the understanding of "Total Quality" in modern production facilities.

Important Safety Information

Carefully read this guide and keep it for future review.

WARNING: Installation of the devices must be done by an authorized service person.

WARNING: Equipment must be grounded.



Indicates that there is a risk of personal injury or property damage.



Explosion / fire hazard.

- The instructions in this manual contain important information on the safe mounting, usage, cleaning and maintenance of the device. Thus, keep the manual at a place easily accessible by the person who will use the machine, and the technician.
- Mounting, electrical connection and maintenance works of the device should be performed by a specialist authorized in this subject and in accordance with the instructions of the manufacturer company.
- Electrical connection of the device should be arranged according to the tables and electrical diagram given in this manual.
- Manufacturer Company accepts no responsibility for the final damages incurred in humans or properties that are caused by any procedure not conforming to the instruction manual, or maintenance or technical interventions that are not performed by authorized people.

MOUNTING

Placement

- In order to prevent smell and fume formation, place the device beneath an exhaust hood being capable of enough ventilation.
- Place the device at a place min. 10cm away from the side or back wall to prevent excessive temperature rises.
- Remove the nylon protection cover on the device. If there are any adhesive residues left on the surface, clean with a suitable solvent.
- Balance the device by adjusting its four adjustable legs on a suitable ground. Figure A
- Install discharge tap no "5" and water filling tap no "6" on their places. Figure B

Electrical Connection

- Connect the device to a proper network only according to the electrical installation standards of DIN VDE 0100.
- Device should be fed with network voltage of 380-400V 3N AC 50-60Hz.
- Cable should be at least of H07 RNF quality and its section should be selected to be sufficient to carry the maximum current.
- Automated fuse should be placed between the device and the network.
- It is recommended to include a leakage current fuse in the feeding installation.
- Voltage tolerance should not exceed $\pm 10\%$.
- The device must be grounded. Grounding point is marked with "  ".

Water connection

- Connect to water inlet through a pipe of suitable section. Water inlet should be between 1,5 – 2,5 bar.
- Mount a mechanical filter on the water inlet of the device and the dirt and metal particles that may intrude in the device will be prevented through that filter.
- Before connecting the last pipe part to the machine, clean the accumulated dirt by discharging some water and then complete the connection.
- Check whether there is any leakage at the joints.

BEFORE USE

Electrical system check

- After mounting, check the controlling members and heaters by operating at different temperatures.
- If needed, see “Possible Problems and Recommendations”.

Thermal Power Check

- After the device is mounted and any maintenance activity, check the thermal power.
- Thermal power of the device is given on “specifications” table.
- During first operation, device will emit fume and a slight smell for a short period. This fume and slight smell is the result of the insulation material and factors such as oil, etc. on the metal sheet surfaces. It is not dangerous and will disappear by itself after a while.
- Operate the device at the highest operation level for 1 hour during first operation.

POSSIBLE PROBLEMS / SOLUTIONS

Heaters do not operate.

- Check the fuses.
- Main electrical inlet is off.
- Voltage is low or electrical connection is wrong.
- Temperature control thermostat is faulty.
- Limit switch deactivated the thermostat power inlet due to faulty temperature control thermostat.
- Heater(s) was/were not connected properly or is/are burnt.

Temperature control cannot be performed.

- Temperature control thermostat is faulty.
- Heater(s) was/were not connected properly or is/are burnt. (Replace the faulty heater with a new one)

REPLACEMENT OF SPARE PARTS

IMPORTANT: Switch off the electrical connection of the device before starting to maintenance activities.

Heaters, thermostat, safety thermostat

- Remove the device control panel and lower panel.
- Replace the part with a new one by disassembling the connection parts.

WARNING: During heater replacement, the device must be placed on its back. Otherwise, there is a risk that the oil in the jacket may discharge.

Water taps

- Remove the device control panel and lower panel.
- Replace the part with a new one by disassembling the connection parts.

USAGE AND MAINTENANCE INSTRUCTIONS

WARNINGS

- **Pay attention not to contact hot surfaces of the device!**
- Thanks to the special oil whose boiling point is 320°C, there is no need for pressure safety plug, air discharge plug and water level control, which are used in watery systems, and therefore it provides ease of use.
- It saves energy as it conducts heat faster and maintains it longer than a watery system.
- Device is equipped with an indirect heating system; i.e. cooking tank is heated through the special oil heater which is present in the enclosed chamber (jacket) surrounding the tank and has high thermal conductivity, and the heated oil cooks the food.
- Device is designed for professional use and must be used only by person who are trained for this intention.
- Device is intended for cooking, do not use for another purpose.
- Before cooking, clean the interior part of the pan with hot water and detergent, and rinse it with plenty of water.
- **Never operate the device when there is not any water in the cooking tank (pan). Otherwise, stainless pan and other parts will be damaged due to excessive heating.**
- If there is any failure in the device, disconnect electrical power by deactivating the main switch.
- Commission only authorized services for maintenance and use genuine spare parts.
- Before starting to use the device, clean the surfaces especially those to be in contact with foods.

Additional safety members

- If the oil temperature in the jacket exceeds maximum control temperature, limit thermostat provides a safe use by cutting off the electrical power. In this case, deactivate the main electrical connection of the device and notify to the authorized service.
- Pan discharge valve has a structure that prevents unintended opening during the operation of the device (In order to open the discharge valve, rise up the valve control arm and push it clockwise).

USAGE

Filling Water to the Pan Figure B

- Make sure that the discharge tap no “5” below the front panel is closed.
- Turn on the water button no “6” and fill the pan with water.

Starting-up the device Figure B

- Turn on the switch no 3
- In order to start up the device, adjust the thermostat button no 2 to desired degree.
0 →Off
60°C →Minimum temperature
---- →Medium temperatures
180° →Maximum temperature

WARNING: In order to obtain high efficiency from the device, when you filled the pan with water, firstly adjust the thermostat to the highest value (180°), and after the water boils, decrease it to desired value.

Switching-off the device Figure B

- Put thermostat control button to position "0".

Water Discharge

- Rise up the arm of the discharge tap no “5” below the front panel and turn it clockwise.
- There should be an outlet through which the water drains under the discharge tap.

CLEANING and MAINTENANCE

- **Do not wash the device with high pressurized water.**
- **You must switch off the electrical connection of the device before starting to cleaning or maintenance activities.**
- Before it cools down completely, wipe the device with a cloth immersed in warm soapy water at the end of each working day.
- During cleaning the device surface, do not use corrosive material which may cause scratches on the surface such as detergents, wire brushes, etc.
- Clean the surfaces, which cannot be cleaned through abovementioned methods, with chemical solvents.
- If the device will not be used for a long period, coat the surfaces with a thin layer of Vaseline.
- In case of any extraordinary condition with the device, notify to the authorized service. Never allow unauthorized people to interfere in the device.

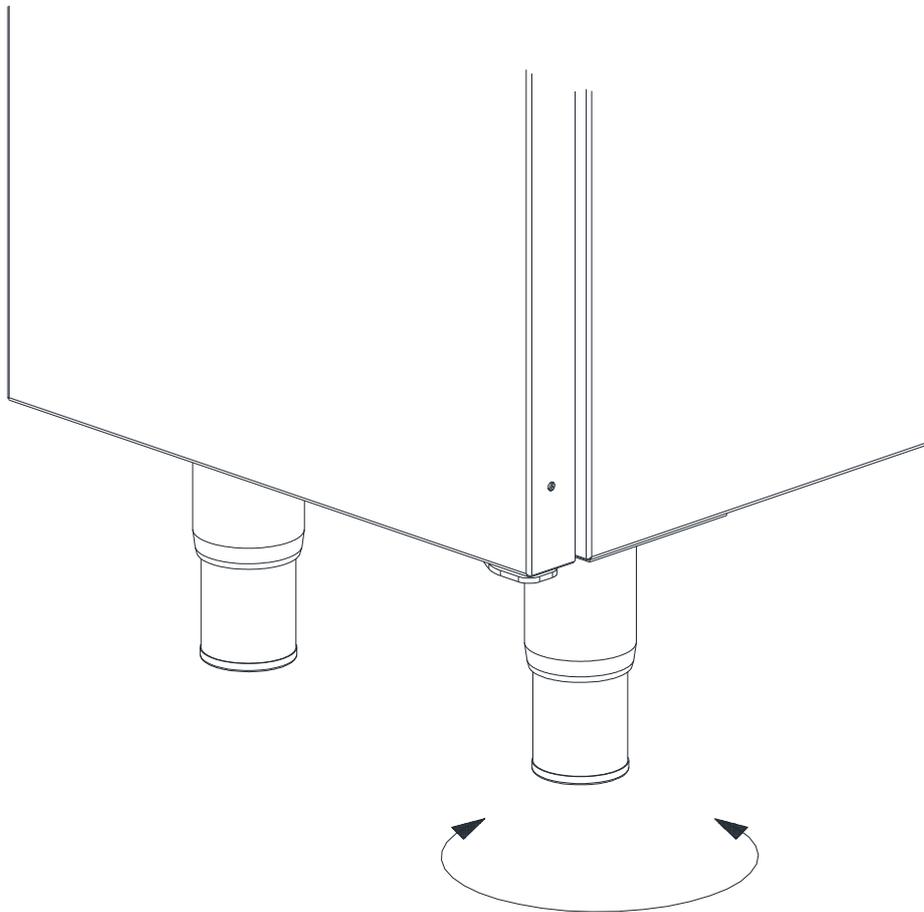


Figure A

Compatibility Information

This device is designed and manufactured in accordance with the following directives and standards.

CE marking directive, 93/68/EEC
TS EN 60335-1:2012/AC
TS EN 60335-2:37

Related to CE Directive(s):
2014/35/EU (Low Voltage)

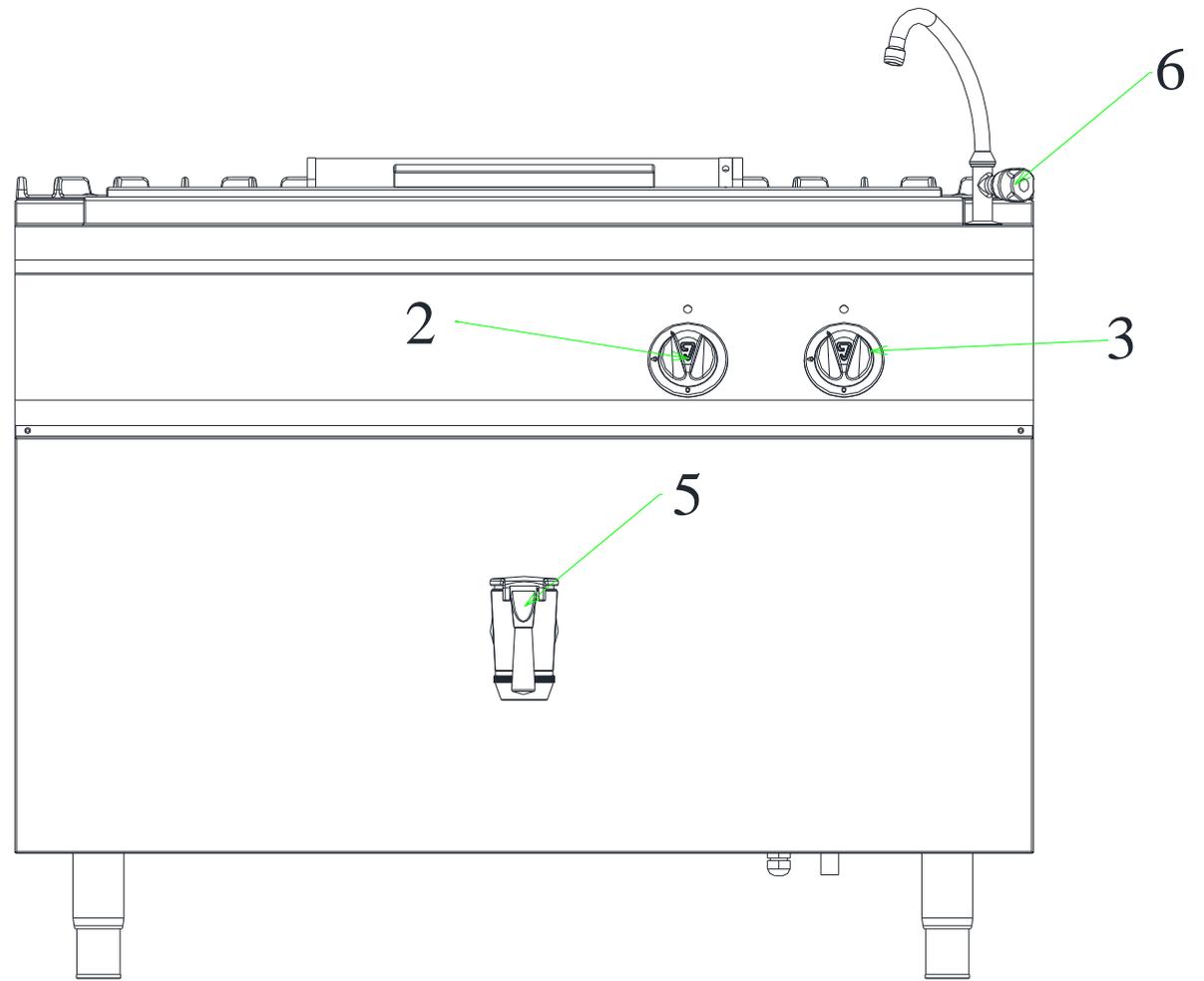
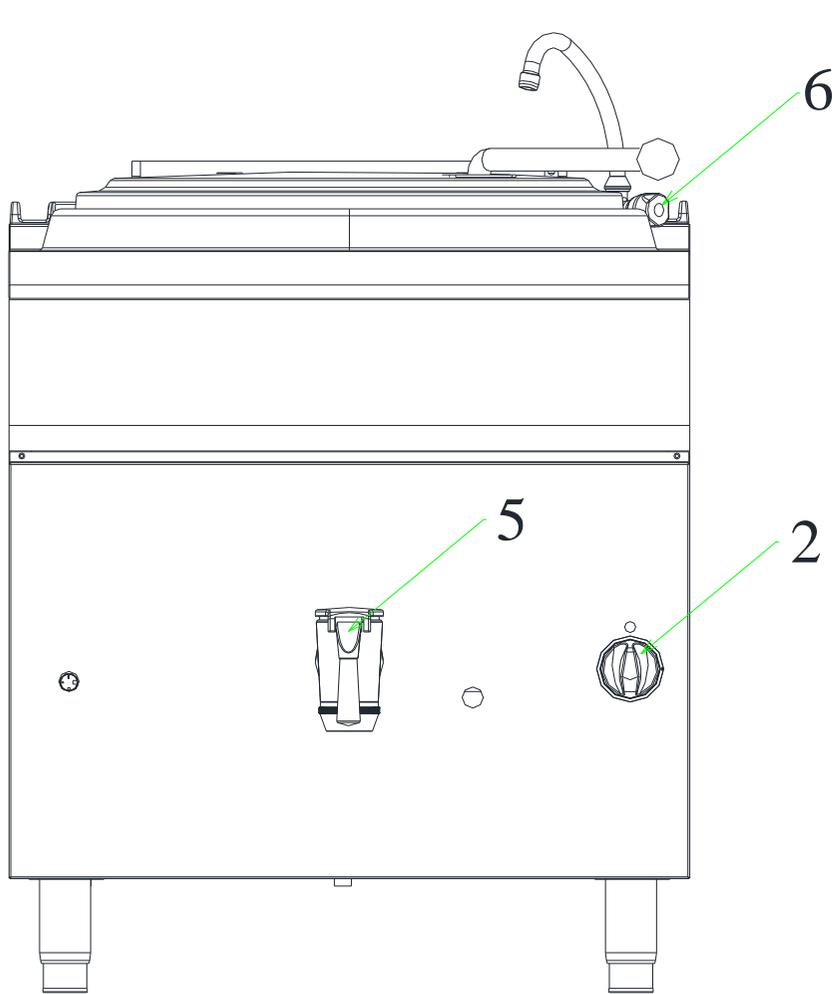
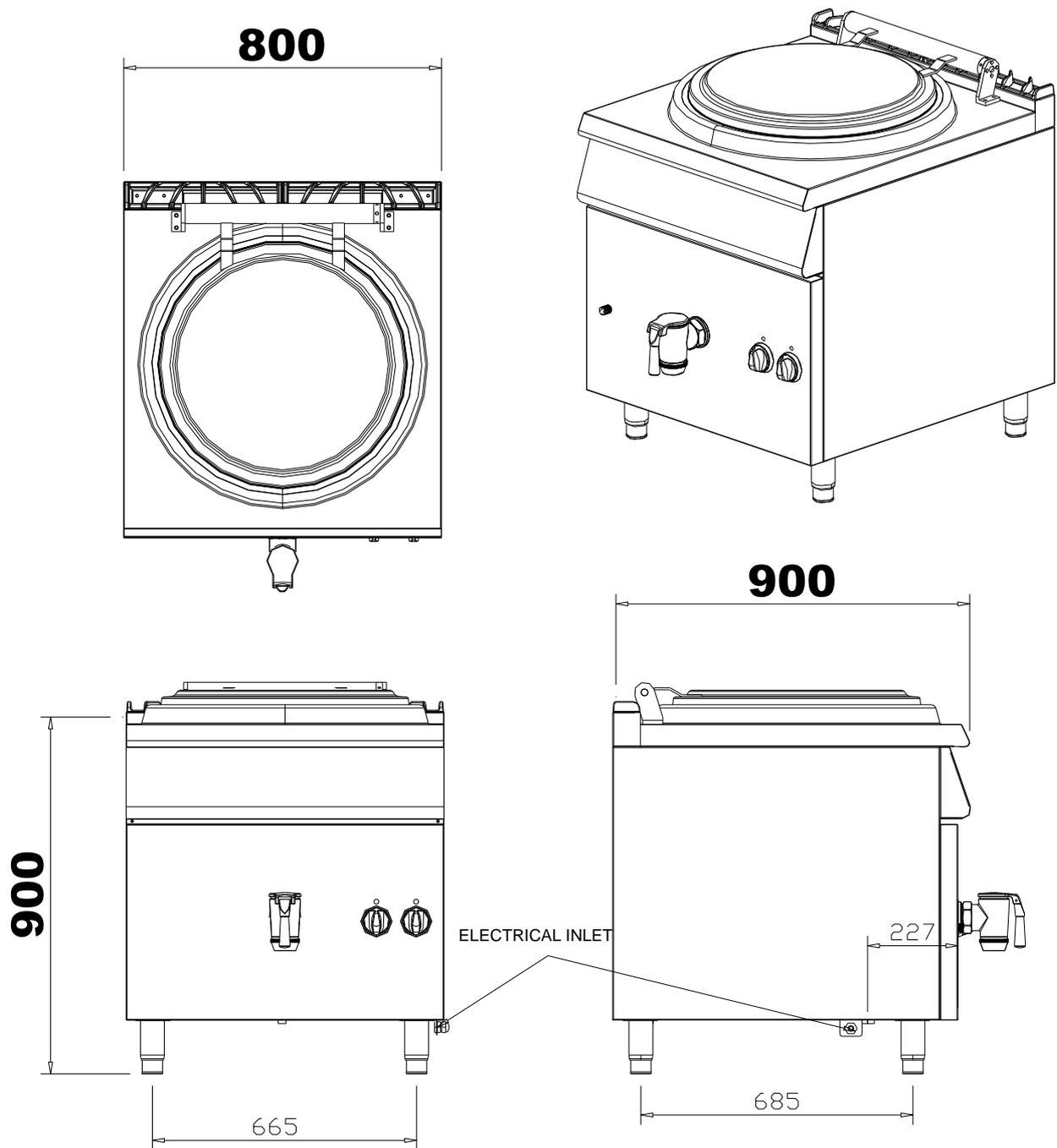
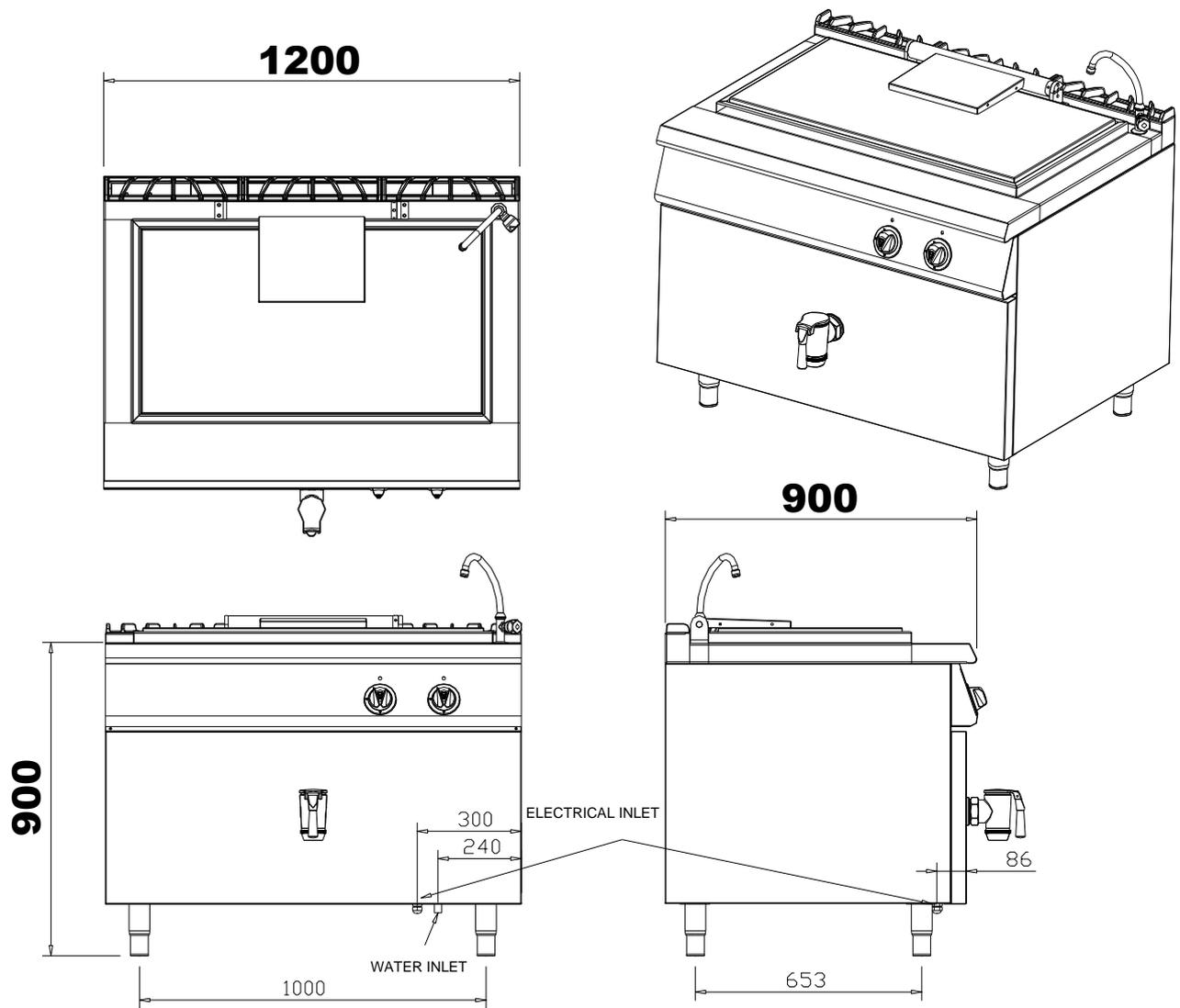


Figure B



G9KT200E

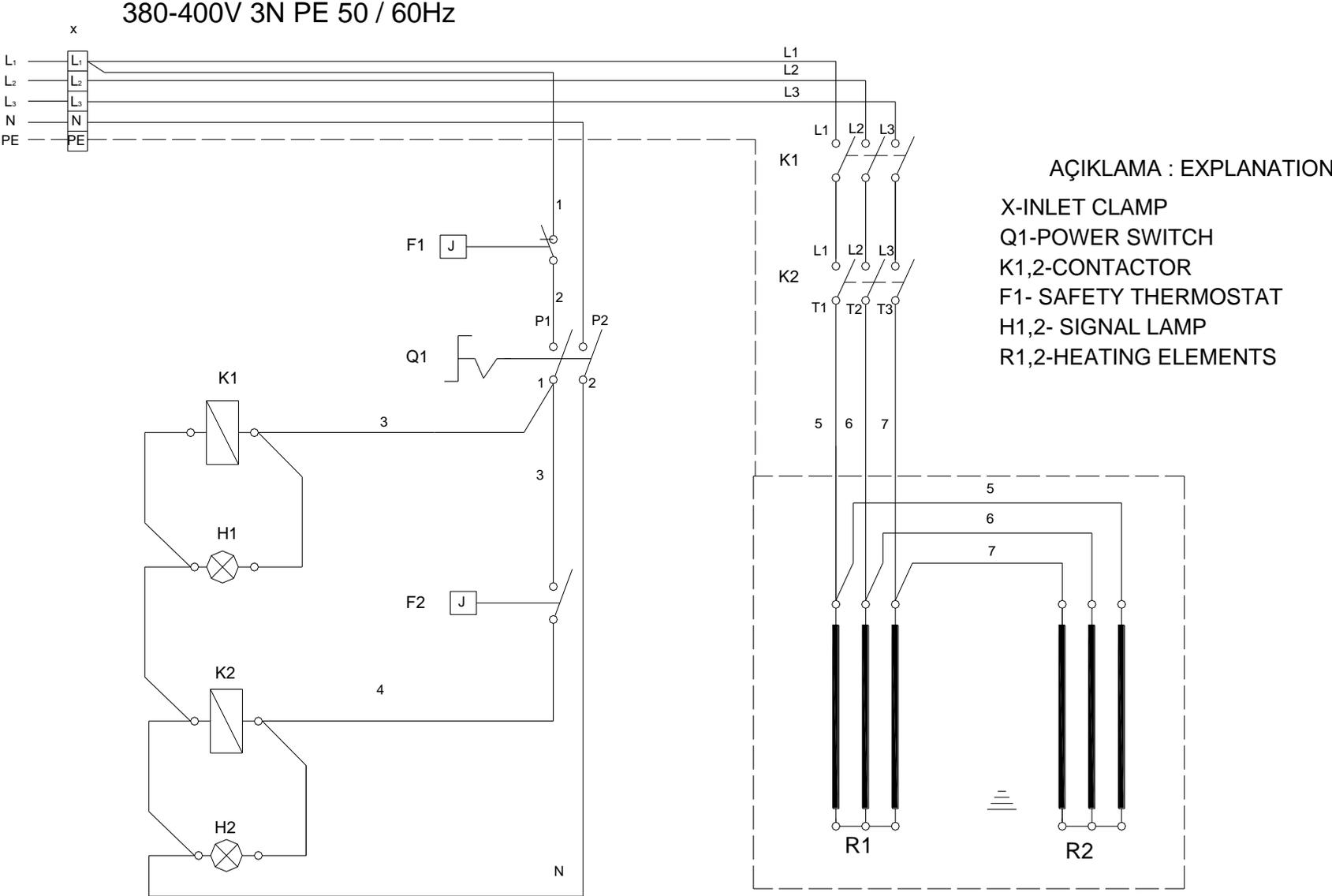
- Limitation of Liability:** All technical information contained in this manual, operating instructions, operation and maintenance of the device, contains the latest information on your device. The manufacturer accepts no responsibility for damage or injury which may result from failure to follow the instructions in this manual, use outside of the intended use, unauthorized repair, unauthorized modifications to the device, or use of spare parts not approved by the manufacturer.



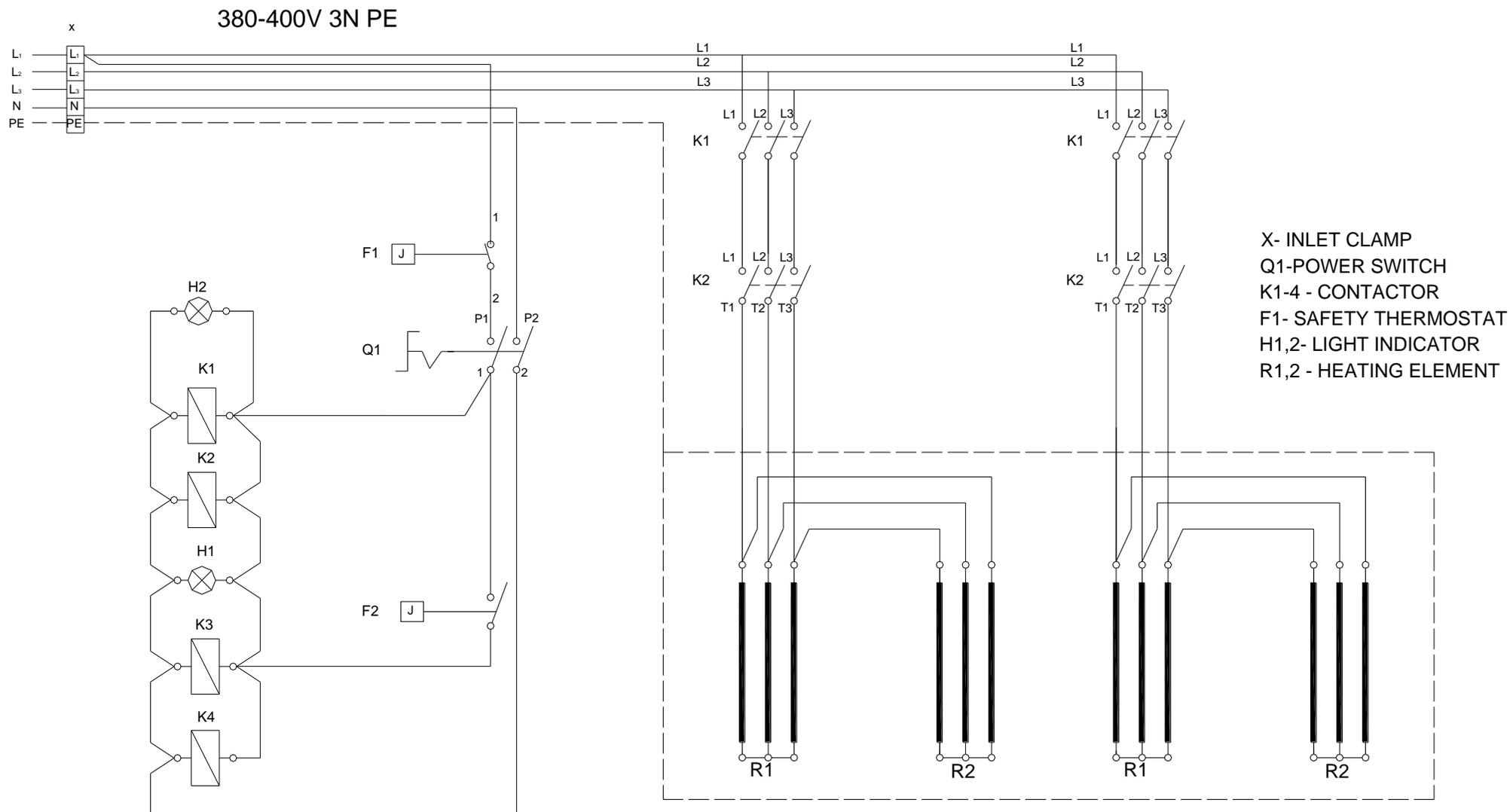
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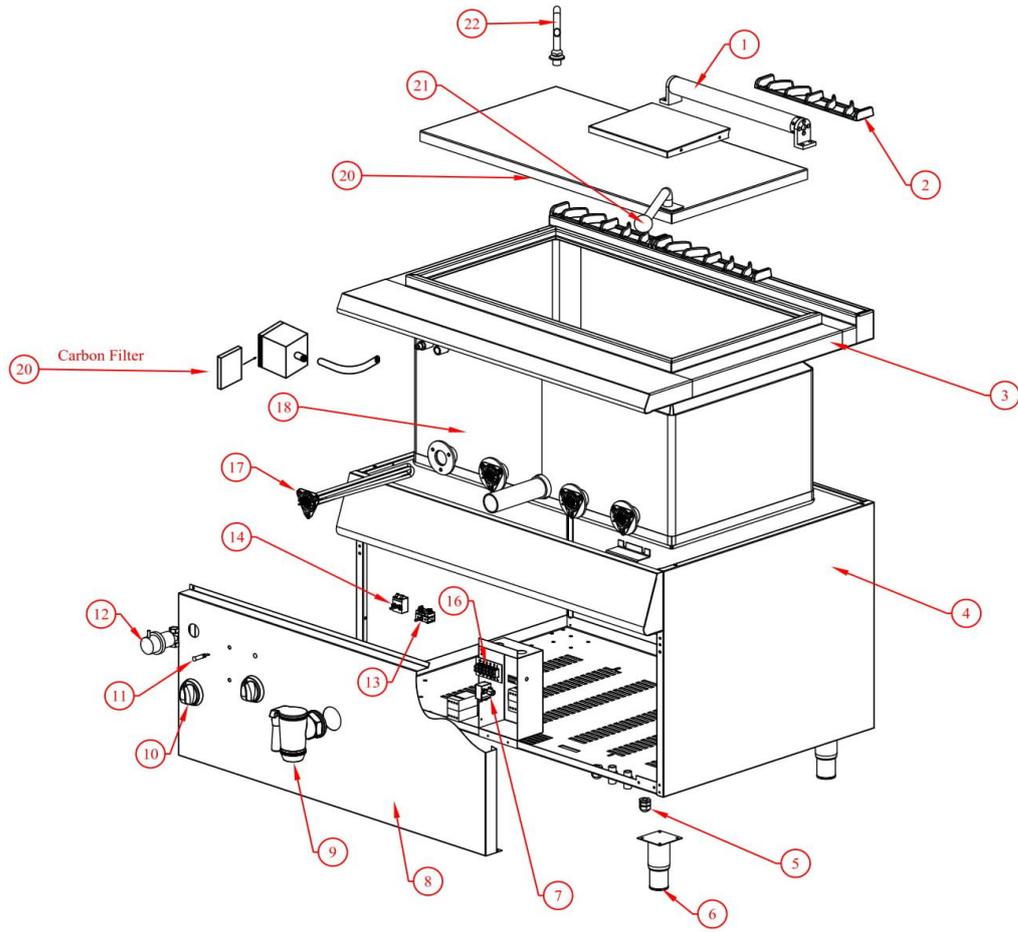
MODEL		G9KT200E	G9KT201E
WIDTH	mm	800	1200
DEPTH	mm	900	900
HEIGHT	mm	900	900
POWER	KW	12	24
ELECTRICAL INLET		400V 3N PE	400V 3N PE
CABLE SECTION	mm ²	5X 4	5X 4
OIL IN THE JACKET	Lt	28-30	38-40
TANK CAPACITY	Lt	150	250
GROSS WEIGHT	Kg	170	220

ELECTRICAL SCHEME



G9KT200E





Note: Please change the carbon filter every 6 months to prevent oil odor. The filter is under the front panel.

+90 232 853 92 00

www.kusina.com.tr

Info@kusina.com.tr



As a KUSİNA, we realize the production of our devices with CE certificate.



We continue to contribute to the environment using recycled paper.

Manufacturer: Gürçelik Dayanıklı Tüketim Mamülleri Mut. Ins. Tur. Tar.San.Tic. Ltd.Sti.

Adress: Bahçelievler Mahallesi Sakarya Cad. No:11 Yazıbaşı/Torbalı- İZMİR

Phone: +90 232 853 92 00

Web: www.kusina.com.tr – www.gurcelikas.com

E-mail: info@kusina.com.tr

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