

# VULKAN



DO NOT TURN ON THE ELECTRIC  
OVEN UNTIL YOU HAVE READ  
THIS INSTRUCTION

# ENCLOSED-TYPE ELECTRIC OVEN FOR CHARCOAL IGNITING «RED VULCAN»

## PASSPORT

Manufacturer: IE Shiryaev S.S.

INN/VAT 332514208872

OGRNIP 319332800026403

Phone +7(900)-58-66-400

e-mail: [info@vulcanshop.ru](mailto:info@vulcanshop.ru)

[www.vulcanshop.ru](http://www.vulcanshop.ru)

Before using the Red Vulcan enclosed oven thoroughly study this manual to correctly and safely use your new device and enjoy its benefits.

Be sure to instruct your staff on the manual to prevent equipment damage due to incorrect use. The device belongs to electrical appliances class 1, which means the user must exercise increased attention to safety requirements when operating the electric oven.

# 1. PURPOSE OF THE PRODUCT

1.1 The non-household electrical appliance «Red Vulcan» Closed-Type Electric Oven for Charcoal Igniting » (hereinafter referred to as «Electric Oven») is intended exclusively for heating coconut charcoal. The Electric Oven is designed for use in areas with a temperate climate in heated rooms with a non-explosive environment at an ambient temperature from +5°C to +40°C and relative air humidity not exceeding 65% at 25°C.

1.2 The Electric Oven IS A CLASS 'I' ELECTRICAL APPLIANCE OPERATED UNDER SUPERVISION!

1.3 ATTENTION:

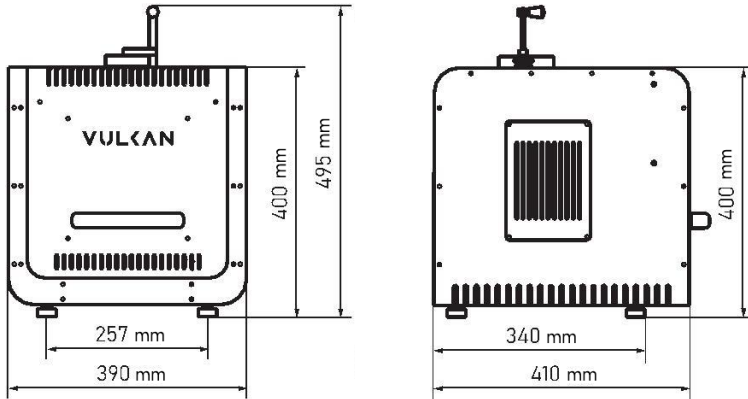
THE SURFACE OF THE ELECTRIC OVEN HEATS UP! AFTER SWITCHING ON, DO NOT TOUCH THE HOUSING AND THE WALLS OF THE INNER CHAMBER;

1.4 THE ELECTRIC OVEN MUST BE GROUNDED! BEFORE SWITCHING ON, A SPECIALIST WITH AN ELECTRICAL SAFETY GROUP OF AT LEAST III MUST ENSURE THAT THERE IS GROUNDING IN THE ELECTRICAL OUTLET TO WHICH THE ELECTRIC OVEN IS CONNECTED. OPERATION OF THE DEVICE WITHOUT GROUNDING IN THE OUTLET IS PROHIBITED! ONLY EMPLOYEES FAMILIAR WITH THIS MANUAL, AS WELL AS THOSE WHO HAVE UNDERGONE ELECTRICAL AND FIRE SAFETY TRAINING;

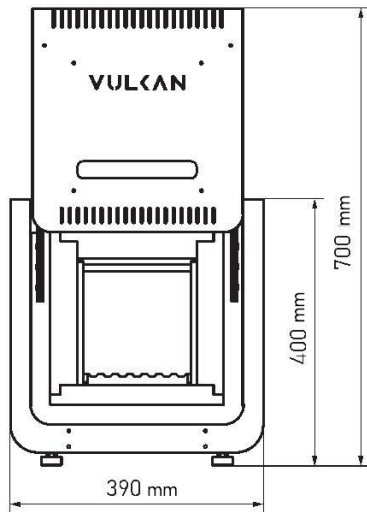
THE ELECTRIC OVEN MUST BE CONNECTED TO A 230V POWER SUPPLY THROUGH 16A THREE-POLE SOCKET (WITH GROUNDING CONTACT). THE SOCKET MUST BE CONNECTED TO AN RCD AND A CIRCUIT BREAKER WITH A RATED TRIPPING CURRENT OF 16A.

## 2. TECHNICAL DESCRIPTION

- Mains voltage 210-240 V (50 Hz)
  - Calculated power consumption (at oven start) 1.85 kW
  - Overall dimensions of the oven body in closed form  
W×D×H, mm 390x410x398\*
- \* on the surface of the oven there is an additional damper mechanism with a height of 95 mm



- Overall dimensions of the oven body in open form  
W×D×H, mm 390x410x700



- Overall dimensions of the control unit	
LxWxH, mm:	340x406x380
- Net weight, kg (not more)	25
- Gross weight, kg (with packaging)	37
- Degree of dust and moisture protection	IPX1
- Maximum operating temperature inside the chamber, limited by the controller	750°C

### 3. SCOPE OF SUPPLY

- Electric oven with preinstalled heating spirals and protective plates	1 pc.
- Removable control unit with built-in controller, controlling display and power switcher	1 pc.
- Bracket for fixing the control unit to the wall, working surface or beneath it	1 pc.
- Coal tongs	1 pc.
- Shovel for loading/unloading coal from the Oven	1 pc.
- Product passport	1 pc.
- Packaging container	1 pc.

### 4. SAFETY REQUIREMENTS

**REMEMBER: THE ELECTRIC OVEN IS AN ELECTRICAL DEVICE, ITS OPERATION MUST BE CARRIED OUT ONLY UNDER DIRECT SUPERVISION!**

4.1 The electric oven complies with established safety requirements

4.2 The electric oven is a device operated under supervision and is intended for installation on a protected work surface. (metal, ceramic plates). Installing the oven on a surface of flammable

materials (wood, fabrics, plastics, etc. – prohibited).

4.3 Before connecting the electric oven to the mains, visually verify the condition of the power cord and the outlet.

4.4 All work on replacing heating coils, thermocouples and other components, as well as cleaning work, should be performed only with the electric oven disconnected from the power supply and with a cooled interior chamber.

4.5 It is prohibited to use the electric oven to heat anything other than coconut charcoal.

4.6 Do not allow moisture to enter the electric oven.

4.7 It is not recommended to place foreign objects on the oven surface.

During operation, the surface of the electric oven heats up; while using the device, you must exercise vigilance.

4.8 It is prohibited to connect the oven using electric extension cord. Connecting multiple devices to a single receiving electrical outlet is not allowed.

4.9 The device is not intended for use by persons with reduced physical, sensory or mental capabilities or lack of prior experience or knowledge, unless they are under supervision or instructed in the use of the device by a person responsible for their safety.

4.10 The following are PROHIBITED:

- to avoid fire, use the electric oven to heat the room;
- plug the electric oven into a socket without grounding;
- leave the electric oven switched on unattended;
- keep flammable items and substances near a powered electric oven;
- when the electric oven is connected to the electrical network, do not simultaneously touch the device and devices that have natural grounding (gas stoves, heating radiators, water pipes, metal and sewer pipes, metal surfaces, etc.);

- leave lit coals in a SWITCHED-OFF ELECTRIC OVEN with the door open;
  - Load more than 2 kg of coal into the working chamber at the same time.
- This may lead to excessive temperature inside and outside the electric oven and to device failure.

## 5. ELECTRIC OVEN CONFIGURATION

5.1 The electric oven is a design where the main housing and control unit are separated into separate modules. The working chamber is a block of fireproof slabs containing heating coils, covered with refractory slabs, as well as a closed-type thermocouple for measuring the temperature inside the chamber.

The outer housing of the main electric oven block is made of aluminum. The hot zone is separated from the external part of the housing by thermal insulating materials and an air gap. All conductive parts, including wiring, are made of heat-resistant materials and routed outside the hot zone.

- The remote control unit is made of aluminum and connected to the main oven housing by a metal housing in a PVC sleeve.

The control unit consists of a controller, a display control, a power button, and a solid-state relay with an externally mounted cooling radiator.

5.2 Power is supplied by pressing the power button Start/Stop on the control unit, the button should lock in the pressed position with the indicator lit. Power off is performed by pressing the same button until a click, with the indicator lamp highlighted.

5.3 The control display has an LCD screen and a movable ring with a pressing function. Navigation through the menu items is done by rotating the ring, and entering the menu or selecting a value is done by pressing the ring/rim.

5.4 The oven door has a special lifting mechanism, which allows for safe and comfortable access to the coal, acting as a protective panel and reducing the space in front of the oven needed to open the door.

The door is equipped with a spring mechanism, ensuring a tight fit of the door to the hot chamber of the oven, thereby reducing oxygen access to the ignited coal and increasing the time the coal can be stored in the chamber without losing its shape. The door should be closed carefully, avoiding slamming. The spring mechanism also serves to hold the door in the open position.

5.5 On the top surface of the oven there is a mechanism for opening/closing the exhaust damper. The exhaust is used to remove gases generated during coal combustion. The damper should be opened immediately after loading a new batch of coal and closed after 25-30 minutes.

## 6. INSTALLATION RECOMMENDATIONS OF THE ELECTRIC OVEN

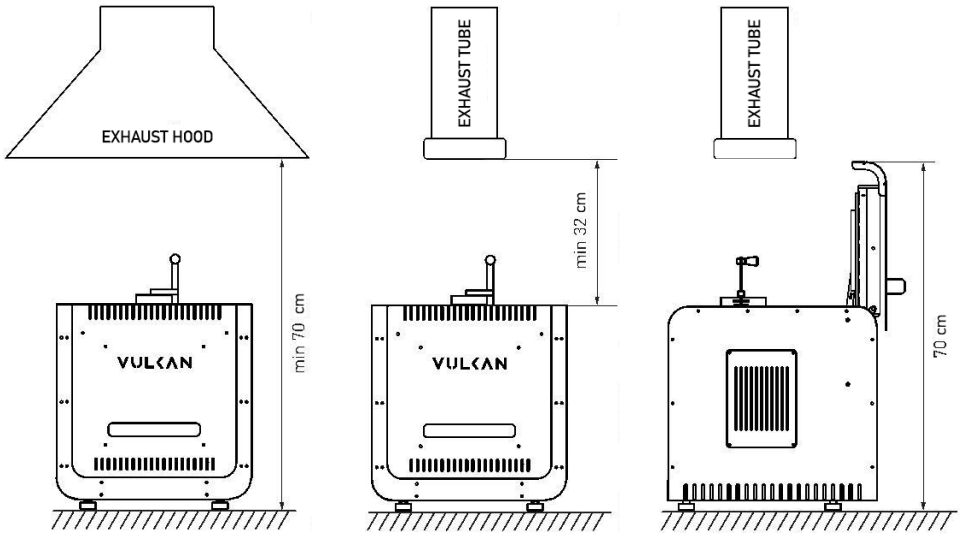
6.1 Inspect the packaging for external damage. If any are found, document the defects with photos in the presence of a transport company employee and make a note of this fact in the accompanying documents, making sure the courier service employee signs.

6.2 Carefully remove the packaging and thoroughly inspect the electric oven for any damage. If defects are present, it is recommended to contact the seller to discuss further actions.

6.3 Place the electric oven on a leveled horizontal surface.

**IMPORTANT:** The surface must be made of non-flammable materials (stainless steel, ceramic tile).

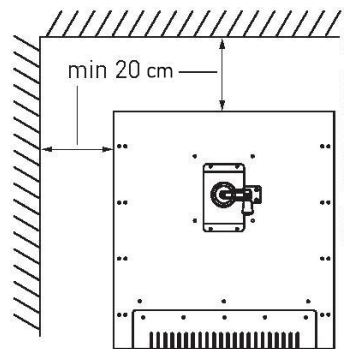
6.4 The distance from the surface on which the electric oven is installed to the exhaust hood must be at least 70 cm. It is permissible not to use an exhaust hood, replacing it with an exhaust pipe lowered to the dispensing opening. When arranged with a pipe, the distance from the top surface of the oven to the pipe must be at least 32 cm.



IT IS PROHIBITED to connect the exhaust pipe at a distance closer than 32 cm.

6.5 THE OVEN BODY MUST HAVE FREE AIR INTAKE. IT IS FORBIDDEN TO INSTALL THE ELECTRIC OVEN BUILT-IN INTO WALLS/CORNERS. THIS MAY LEAD TO OVERHEATING AND PREMATURE WEAR OF THE ELECTRICAL WIRING.

Minimum permissible clearance between the oven and the walls of the extraction cabinet or work surface – 20 cm.



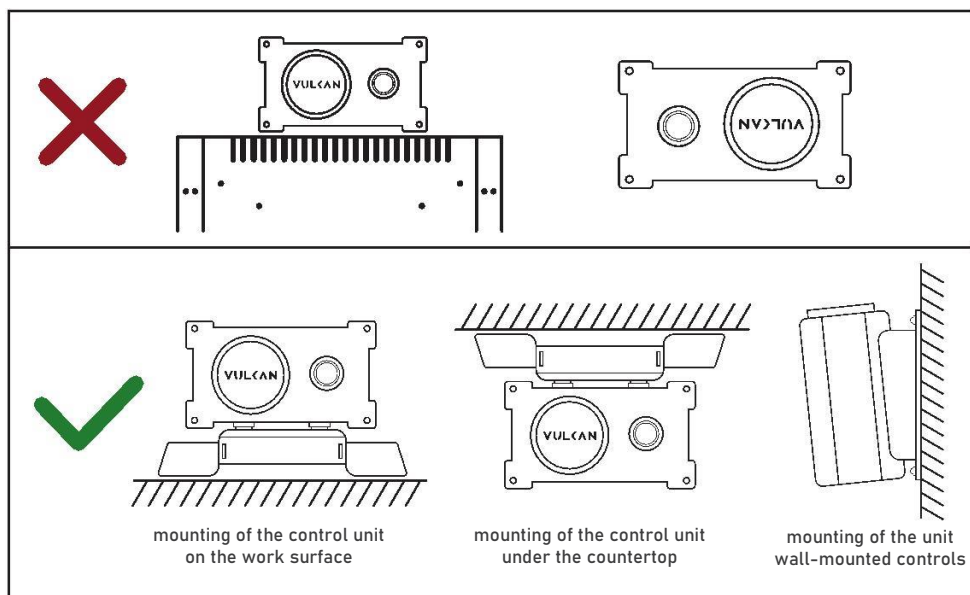
6.6 Place the control unit so that it is as far as possible from the oven body to avoid overheating.

It is forbidden to install the control unit on the top of the electric oven.

The control unit is equipped with a detachable connector, allowing the block to be disconnected from the metal flexible tube. This solution enables routing the tube through small openings (in the hood cabinet or countertop), thus hiding the wiring from the workspace. After placing the block in a convenient location, it is required to firmly connect the connector to the control unit and tighten the blue/black plastic nut, preventing accidental disconnection of the connector.

The kit includes a bracket that allows to attach the control unit to the wall, to a work surface, as well as under the countertop. To do this, unscrew the screws on the control unit housing with the hex key provided in the oven kit. It is important to orient the bracket so that the display faces the user.

6.7 Do not store foreign objects within 30 cm of the electric oven.



## 7. STARTUP AND OPERATION WITH THE ELECTRIC OVEN

7.1 Open the door and load charcoal into the working chamber in a heap - by hand or with a shovel (Fig. 1). The oven can be loaded with up to 2 kg of coconut charcoal. Recommended load: 1.5 kg.

7.2 Close the door and press the START/STOP power button located on the control unit.

7.3 On the display, select the necessary temperature mode or manually enter the temperature value (up to 750°C) and press the outer rim of the display to accept the settings, then press the START button. The indicator that the oven is running is the symbol illuminated in orange.

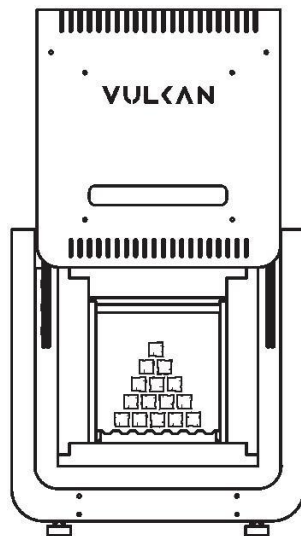


Fig. 1

7.4 Open the upper damper (Fig. 2) and do not close it for 25-30 minutes. This will allow gases released from coal during ignition to escape and will speed up heating. After that, the damper can be closed.

7.5 To access the coal, open the door and use a shovel or tongs at least 40 cm long for unloading. It is not recommended to keep the door open for more than 30 seconds, as it may cause loss of shape. Exceeding this interval significantly affects how long the coal can be stored without losing form.

Affecting size preservation as well the amount of coal in the chamber. It is recommended to leave in the chamber at least 35 cubes of heated coal.

7.6 It is recommended to periodically turn the coal with a shovel for more uniform heating.

7.7 For each brand of coal, an individual temperature regime is recommended. For example, coal A may heat well at 700°C, coal B at the same temperature may crumble and require a lower range of values.

7.8 To turn off the electric oven, select STOP on the display and confirm the choice with the external dial, or press the START/STOP button. The button LED will go out.

7.9 After the end of the shift, it is forbidden to leave the door open in the absence of staff. The electric oven has very high thermal inertia and the next morning its temperature will be 120-150°C.

7.10 More detailed instructions on operating the oven, setting up auto-start, replacing consumables and other documentation can be found by scanning this QR code, which is also duplicated on the plate located on the right wall of the Vulcan Zenith oven.

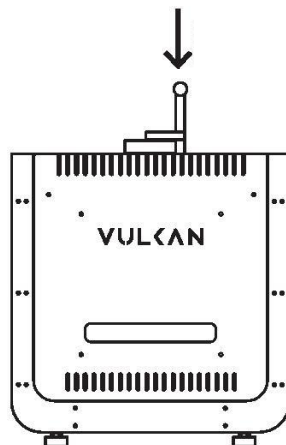


Fig. 2



## 8. CARE OF THE ELECTRIC OVEN

**CAUTION:** During cleaning procedures the electric oven must be disconnected from the power supply and kept at room temperature. No moisture should get into/on the electric oven.

It is not allowed to use for cleaning the oven surface a brush, abrasive materials and other scratching cleaning agents. This will inevitably lead to surface damage, especially to the paint coating.

8.1 The electric oven should be kept clean. This is necessary to maintain the warranty, safety of operation, service life and performance of the oven.

8.2 It is recommended to clean the outer surface of the oven only in the morning hours (before starting work) with a damp cloth, at least every 3 days. The inner chamber requires ash removal as it accumulates on the lower plate. To remove ash, remove the lower plate (Fig. 3) and sweep the ash off with a dry cloth.

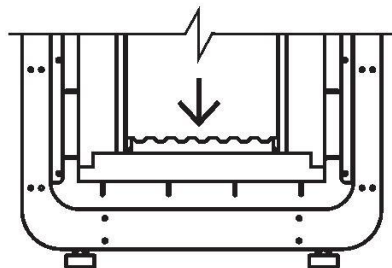


Fig. 3

8.3 The electric oven should be protected from mechanical damage, in particular, exercise maximum caution when handling the door seal around the coal loading window.

8.4 The electric oven should be stored in a heated room at an air temperature from +5°C to +40°C; moisture must not enter the electric oven or the junction box.

8.5 Possible malfunctions of the electric oven, caused by spiral failure (no power, switch does not work, etc.) should be fixed only after contacting the manufacturer's representatives (contacts are on the first and last pages of this Passport).

8.6 Replacement of a failed (burned out) spiral should be performed on a powered-off electric oven. It is forbidden to use any components other than those recommended by the manufacturer, since original parts have the calculated thickness, power and other parameters which guarantee proper operation of the electric oven. Using non-original parts may lead to a fire.

8.7 Replacement of the power cord and other components, except consumables (spiral, thermocouple, ceramic plates), may be performed only by an authorized representative of the manufacturer. Independent replacement of these components is not allowed.

8.8 Transportation of the electric oven may be carried out by all kinds of transport in enclosed vehicles in accordance with the cargo transportation rules applicable to this type of transport. During transportation, the possibility of moving the electric oven inside the transport vehicles must be excluded.

## 9. COMPLIANCE WITH STANDARDS AND REGULATIONS

9.1 In terms of protection against electric shock, the device complies with Class I

The electric oven is not classified as a roaster oven, as ignition and burning of coal occur in a closed chamber with no access to oxygen. This device is classified as an electrical appliance powered from the mains and complies with the requirements established for this class.

9.2 The electric oven complies with the standards and regulations established for this type of product, which is confirmed by:

a) Declaration of conformity No. EAЭC N RU Д-РУ.PA05.B.89499/24, issued based on the test protocol IL03-20386:

- GOST 12.2.007.0-75 «Occupational Safety Standards System (SSBT). Electrotechnical products. General safety requirements»

- GOST 30804.6.2-2013 (IEC 61000-6-2:2005), «Electromagnetic compatibility of technical equipment. Immunity to electromagnetic disturbances of technical equipment used in industrial areas. Requirements and test methods», section 8; Standards and other regulatory documents:

- GOST 30804.6.4-2013 (IEC 61000-6-4:2006), «Electromagnetic compatibility of technical equipment. Electromagnetic disturbances from technical equipment used in industrial areas. Standards and test methods»

b) Certificate of fire safety compliance No. ROSS RU.32079SPB1. OS14.59710, issued on the basis of test protocol No. 54513-PRG/PB-24:

- GOST 27483-87 Fire hazard tests. Test methods. Heated wire tests:

- GOST 27484-87 Fire hazard tests. Test methods. Needle flame burner tests.

## 10. WARRANTY

The manufacturer guarantees that the product meets the established requirements and the normal operation of the electric Oven, provided the user observes the conditions of operation, storage, transportation, and maintenance. The warranty period is:

- for the heating coil, thermocouple, and ceramic cord in the Oven door- 6 months\* from the date of sale of the electric Oven;
- for the component parts of the electric Oven, such as power cord, switches, connectors, etc. – 18 months from the date of sale of the electric Oven;
- the warranty does not cover the shelves and the door – the possible appearance of small cracks in the plates is not a warranty case and does not affect the performance and operation of the electric Oven.

The warranty on spare parts is 4 months from the date of sale.

\*The warranty is valid only if the requirements for use and care of the stove described in this product passport (pp. 6, 7, 8) are followed.

10.1 The sale date is deemed to be the date the electric Oven is handed over to the Buyer for use, as evidenced by the carrier's transfer notation or the signature on the waybill.

10.2 Replacement of defective spare parts within the warranty period is provided at the manufacturer's expense.

Any quality claims are considered only after contacting the manufacturer's representatives. In some cases, for a more detailed analysis of the issue, the manufacturer may request photos and videos from the Buyer.

The warranty does not cover:

- in the event of loading the electric Oven with more than 2 kg of coal. The manufacturer has sufficient expertise to determine the fact of “overloading” the electric Oven.

- for failures and malfunctions caused by transport damage (not related to delivery of the electric Oven to the Buyer), careless handling or improper maintenance;

- for malfunctions caused by causes beyond the manufacturer’s control, such as voltage surges, exposure to moisture, mechanical impacts on Oven components, natural phenomena and natural disasters;

- for cracks in the inner chamber plates and gasket. Cracks are a consequence of temperature fluctuations with the door constantly open and do not affect the operation and performance of the Oven.

Note: the decrease in efficiency of the heating coil after a long period of operation, as well as its small thermal deformations, are natural physical processes and are not considered warranty cases.

10.3 For all questions related to warranty repairs, contact via the following channels:

- e-mail: [info@vulcanshop.ru](mailto:info@vulcanshop.ru)

- phone/telegram: +7 900 58 66 400

- [vk.com/vulcanstore](https://vk.com/vulcanstore)

The manufacturer is not responsible for damage to the health and property of the Purchaser if it is caused by non-compliance with installation norms, operating rules for the electric oven, and the use of a faulty electric oven.

More detailed instructions on operating the oven, setting up automatic start, replacing consumables and other documentation can be found by scanning this QR code, which is also duplicated on the plate mounted on the right wall of the Vulcan Zenith oven.



**EAC CE**