BORASCO
İleri Ekolojik Sistemler

OSC SERIES

OZONE SANITATION CABINET

MODELS: OSC-5 / OSC-11 / OSC-22



INSTALLATION • OPERATION • CLEANING • MAINTENANCE MANUAL

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1. PURPOSE AND SCOPE OF THE MANUAL

This manual has been prepared for the safe installation, operation, cleaning and basic maintenance of the BORASCO OSC-5, OSC-11 and OSC-22 Ozone Sanitation Cabinets. The appliance is designed to subject equipment and utensils used in professional kitchens to a controlled ozone cycle.

2. PRODUCT DESCRIPTION

BORASCO OSC is a professional sanitation cabinet that generates ozone inside a closed, insulated cabinet, distributes the ozone throughout the cabinet volume with the help of a circulation fan, and then automatically carries out the filtered exhaust stage.

- Ozonation
- Filtered exhaust

The user selects the program and gives the START command. The normal cycle is carried out automatically by the control board.

3. MODELS AND TECHNICAL SPECIFICATIONS

Specification	OSC-5	OSC-11	OSC-22
Capacity	5 × GN 2/1 trays	11 × GN 2/1 trays	22 × GN 2/1 trays
External dimensions (W×D×H)	910 × 830 × 1200 mm	910 × 830 × 1850 mm	1517 × 910 × 1816 mm
Net / Gross weight	87 / 98 kg	121 / 130 kg	191 / 205 kg
Package dimensions	920 × 840 × 1290 mm	920 × 840 × 1960 mm	920 × 1530 × 1960 mm
Package volume	0.99 m³	1.51 m³	2.75 m³
Power supply	230 V – NPE / 50–60 Hz	230 V – NPE / 50–60 Hz	230 V – NPE / 50–60 Hz
Total power	1 kW	1 kW	2 kW
Ozone capacity	2 g/h	2 g/h	2 g/h
Max. noise	60 dB	60 dB	60 dB
Origin	Türkiye	Türkiye	Türkiye

4. MAIN COMPONENTS

Component	Technical information / function
Ozone generator	Provides controlled ozone production for the sanitation cycle inside the cabinet.
Air circulation system	Supports uniform air and ozone distribution inside the cabinet.
Exhaust system	Ensures controlled removal of the ozone inside the cabinet at the end of the program.
Ozone destruction filter system	Helps reduce the ozone in the exhaust air.
Control system	Provides automatic management of programs P1–P5 and the operating cycle.
Interior lighting	Provides visibility inside the cabinet.
Door safety switch	Stops the active system for safety if the door is opened.
Audible alarm	Program and alarm notifications.

5. SAFETY INSTRUCTIONS

- The appliance must only be used by trained personnel.
- Do not inhale ozone gas. Do not open the door unnecessarily while the appliance is operating.
- Start a program only when the door is closed.
- If the door is opened during the cycle, the safety system is activated; ozone production, circulation and exhaust stop, and the active program is cancelled.
- When power is cut and restored, the appliance must not start a cycle on its own.
- The electrical connection and protective earthing must be carried out by authorized personnel.
- Do not use the appliance without the carbon filter or when the exhaust path is blocked.
- Do not direct water at the electrical panel, control board, ozone generator or fan electrical connections.
- If there is a fault in the door interlock or the exhaust system, the appliance must be taken out of service.

6. INSTALLATION

Place the appliance on a level floor with sufficient load-bearing capacity. Lock the castor brakes before operation. Make the electrical connection to a 230 V – NPE supply with protective earthing.

- Do not obstruct the front of the exhaust outlet.
- Leave access clearance in the service and ventilation areas.
- At first start-up, check the door switch, fans, filter and electrical connections.

7. CONTROL PANEL



Control	Function
Program display	Shows the selected program P1–P5.
Time display	Shows the remaining time in minutes after the program starts.
PROGRAM	Selects P1 → P2 → P3 → P4 → P5.
LED	Switches the green LED lighting inside the cabinet on/off.
START / STOP	Short press starts; while running, cancels the program.
START / STOP long press	Hold for 3 seconds to switch the appliance on/off.

8. PROGRAMS P1–P5

Program	Level	Ozonation	Exhaust	Total
P1	Light load	12 min	5 min	17 min
P2	Normal load	14 min	5 min	19 min
P3	Medium load	16 min	5 min	21 min
P4	Heavy load	18 min	5 min	23 min
P5	Maximum load	20 min	5 min	25 min

9. OPERATION

1 Place the equipment to be sanitized in the cabinet after it has been pre-cleaned.

2 Place the items on the shelves so that they do not obstruct air circulation.

3 Close the door completely and check that the safety mechanism is properly engaged.

4 Check that the exhaust system / flue cover is in the operating position.

5 Switch on the appliance and select the appropriate program P1–P5.

6 Press the START button.

7 Under normal conditions, do not open the door until the cycle is complete and the END/OK signal is given.

10. AUTOMATIC CYCLE

Stage	Ozone	Circulation	Exhaust	Duration
Ozonation	ON	ON	OFF	According to P1–P5
Exhaust	OFF	OFF	ON	5 min

11. DOOR OPENING / EMERGENCY

- Ozone generator immediately OFF.
- Circulation fan OFF.
- Exhaust fan OFF.
- The active program is cancelled.

After a power failure, the appliance must not automatically resume where it left off; it must remain in standby.

12. LOADING RULES

The nominal capacity of the OSC-5 is 5 × GN 2/1 trays, the OSC-11 is 11 × GN 2/1 trays and the OSC-22 is 22 × GN 2/1 trays. Trays, plates, GN pans and suitable equipment used in professional kitchens can be placed in the cabinet.

- Do not block the fan intake/outlet areas.
- Do not pack items so tightly that they obstruct air circulation.
- Do not process sensitive materials whose ozone compatibility is unknown without the manufacturer's approval.

13. CLEANING

The interior surfaces of the cabinet are cleanable/washable. However, pressurized water must not be applied directly to the electrical components, control panel, fan motors, ozone generator or electrical connections.

- Switch off the appliance and disconnect the power supply before cleaning.
- Remove coarse dirt.
- Clean the surfaces with a suitable professional kitchen cleaner.
- Rinse or wipe appropriately with clean water.
- Make sure that no water enters the electrical areas.

14. PERIODIC MAINTENANCE

Check	Action
Door gasket	Cleaning, damage and sealing check.
Door safety switch	Function test.
Circulation fan	Check for dirt, noise and free rotation.
Exhaust fan	Check operation and air flow.
Carbon filter	Must be replaced every 3–6 months.
Ozone system	Check hoses, pump and generator.
Electrical system	Cables, earthing and connections to be checked by an authorized service.

15. TROUBLESHOOTING

Symptom	First check
Appliance does not start	Check the mains supply, main switch, fuse, door switch and that the door is fully closed.
Ozone cycle does not start	Have the program selection, interlock and ozone system connections checked.
No circulation	Have the circulation fan checked by an authorized service.
Exhaust not working	Have the exhaust system checked by an authorized service.
Strong ozone smell	Stop using the appliance; have the sealing, exhaust path and carbon filter checked by an authorized service.
Program stops midway	Have the door switch, power supply and control board checked.

16. LIMITS OF USE

- The appliance must not be used to ozonate spaces where people or animals are present.
- Do not put your head, hands or any other part of the body inside the cabinet while the appliance is operating.
- Do not place flammable/explosive substances or chemicals that risk reacting with ozone in the cabinet.
- Bear in mind that color, elastomer or surface changes may occur in materials whose ozone compatibility has not been verified.

- No unauthorized electrical or software modifications may be made to the appliance.

17. PRODUCT LABEL INFORMATION (DRAFT)

Field	Information
Manufacturer	Borasco – Bodrum Endüstriyel Mutfak Ekipmanları Tur. San. Tic. Ltd.
Product	Ozone Sanitation Cabinet (Ozonlu Hijyen Kabini)
Model	OSC-5, OSC-11, OSC-22
Power supply	230 V – NPE / 50–60 Hz
Rated power	1–2 kW
Ozone capacity	2 g/h
Serial No	To be assigned at production
Year of manufacture	To be assigned at production
Origin	Türkiye

18. SERVICE RECORD

Date	Action	Service / Technician	Signature