



OX L303

Hydromassage Spa — 2-Seater (2 Loungers)
Installation, Operation & Maintenance Manual

Oxygen Code: OX-L303



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OXYGON — Karamaouna St., N. Rysio, 57001 Thessaloniki, Greece
Tel: +30 2312 208 240 | info@oxygen.gr | www.oxygen.gr

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1. Safety Warnings

CAUTION — BEFORE INSTALLATION AND USE

Read the entire manual carefully before installing or using the spa. Failure to follow the safety instructions may cause serious injury, electric shock, drowning or death. Keep this manual in a safe place for future reference.

RISK OF ELECTRIC SHOCK

Electrical connection must be carried out exclusively by a licensed electrician. The spa must be supplied through a 30 mA residual-current device (RCD) and a suitably rated circuit breaker. The installation must be earthed and equipotentially bonded. NEVER operate the spa with a damaged cable or plug. Disconnect from the mains before any maintenance work.

RISK OF DROWNING — CHILDREN AND VULNERABLE PERSONS

Children, the elderly, pregnant women, and persons with cardiac, respiratory or other health problems must not enter the spa without medical advice and supervision. NEVER leave children unsupervised near or in the spa. Always use the lockable safety cover when the spa is not in use.

WATER TEMPERATURE — HYPERTHERMIA

The maximum permitted water temperature is 40°C. For children and sensitive groups a maximum of 37°C is recommended. Staying in water above 38°C should not exceed 15 minutes. Hyperthermia causes drowsiness, dizziness, fainting and loss of consciousness — with a risk of drowning. Avoid alcohol or narcotic substances before or during spa use.

CHEMICAL SAFETY

Use only approved spa chemicals (bromine, spa chlorine, pH balancers). NEVER use pool chemicals — they are too concentrated and damage the pump, the shell and your health. Keep chemicals away from children. Never combine different chemicals with each other. Add chemicals only while the pump is running.

SUCTION AND FITTINGS

Do not enter the spa if the suction protective covers are missing or broken. Bare suction can cause entrapment of hair, clothing or body. Check all jets, suction covers and the support frame before each use.

The OX L303 spa complies with the European safety standards EN 60335-2-60 and EN 17125. For warranty terms see Section 14 — Warranty & Contact.

2. Package Contents

On receipt of the OX L303 spa, make sure the following items are included. In case of a missing or damaged item, contact Oxygen service immediately (+30 2312 208 240).

No.	Item	Qty
1	OX L303 spa — fully assembled (2000 × 1300 × 820 mm)	1
2	Safety cover with locks (selected colour)	1
3	Head pillows (headrests)	2
4	CE certificate and Oxygen warranty	1
5	User manual (English)	1
6	Drain and air-bleed connectors	set
7	Start-up chemical kit (optional)	1

3. Technical Specifications

General Characteristics

Model	OX L303
Oxygen Code	OX-L303
Category	Hydromassage spa — Compact Lounger Series
Capacity	2 persons (2 loungers)
Dimensions (L × W × H)	2000 × 1300 × 820 mm
Internal water depth	635 mm
Water capacity	750 L
Weight (empty)	210 kg
Weight (full with water)	960 kg
Power supply	220 V / 50 Hz

Structure & Construction Materials

Shell material	Premium acrylic (PMMA) — Mitsubishi (Japan)
Shell insulation	Polyurethane foam
Support frame	Aluminium 40 × 20 mm
Cabinet (skirt)	Wood-effect synthetic panel
Base	Reinforced ABS base
Shell colours	7 options
Cabinet colours	4 options
Cover colours	3 options

Hydraulics & Electromechanical

Dual Speed pump	1 × Oxygen Dual Speed 2.5 HP (low: circulation/filtration · high: jets)
Total number of jets	33 hydrotherapy jets
Jet breakdown	6 × 5" · 6 × 3" · 21 × 2.5"
Hydrotherapy zones	4 (A1-A4) across 2 loungers
Jet air control	1 air valve (venturi)
Suction points	1 pc
Drain outlet	1 pc
Filter	1 × 50 sf (cartridge)
Sterilization system	Ozone generator (OZONE)
Underwater lighting	Multi-point LED system — waterline, 8 perimeter spots, 16 at the jets, 4 corner, 2 illuminated cup holders
Control system	Gecko in.k300 (Canada) — 1-pump keypad, part 0607-008036
Spa pack	Gecko Y-Class (in.ye / in.yt / in.yj)
Heating element	3 kW
Maximum temperature	40 °C

Dimensions

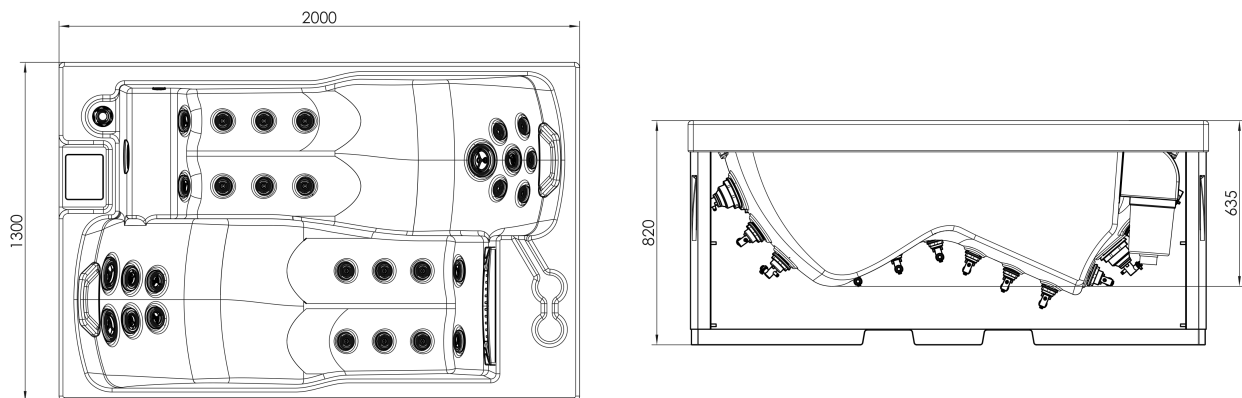


Figure 1 — OX L303 dimensions (top and side section, in mm)

4. Why Choose the OX L303

The **OX L303 spa** is a compact **2-seater** hydromassage spa with two ergonomic loungers, designed for full relaxation in a small footprint (**2000 × 1300 mm**). Ideal for balconies, terraces, small gardens and indoor wellness areas.

Powerful hydrotherapy with 33 jets, the ergonomic design of the two loungers and the reliable Gecko control technology guarantee targeted massage of the neck, back, lower back and legs, with low consumption and easy maintenance.

Key Advantages

Compact 2-seater — two full loungers in a footprint of just 2.0 × 1.3 m.

Mitsubishi (Japan) acrylic shell — premium PMMA with high resistance to UV, chemicals and temperature variations, in 7 colour options.

Oxygen Dual Speed pump — one pump for circulation/filtration (low) and powerful hydrotherapy (high), with immediate technical support from the Greek service.

33 hydrotherapy jets in 4 zones (A1-A4) — targeted massage of the shoulders, back, lower back and legs.

Gecko in.k300 control system (Canada) — 4-button keypad with a bright 1.5" LCD screen, IPX-5 sealing and status icons for immediate indication.

Built-in ozone generator — significantly reduces chemical consumption.

Rich multi-point LED lighting — waterline, perimeter spots, jet lighting, corners and illuminated cup holders for a relaxing atmosphere.

3 kW heater — efficient water heating.

5-year warranty on the shell and 2 years on the electromechanical equipment.

5. Site Preparation

Proper preparation of the installation site is critical for the safe, long-term operation of the spa. Follow the instructions below carefully before delivery and placement.

Support Base Requirements

The base must be **perfectly flat, stable and level**.

Load-bearing capacity of **at least 400 kg/m²** (the full spa weighs 960 kg over an area of 2.6 m²).

Recommended: reinforced concrete ≥ 10 cm thick, or a reinforced wooden deck.

Avoid: gravel, sand, soil, non-reinforced balconies.

Clear space around the spa: **at least 60 cm** for maintenance and service.

Electrical Supply

220V / 50Hz supply from a separate circuit.

Circuit breaker of **at least 25A**.

Residual-current device (**RCD/FI**) **30 mA** mandatory.

Supply cable of **3 x 4 mm²** minimum (or as specified by the electrician).

Earthing and equipotential bonding are mandatory.

Water Supply & Drainage

Cold-water supply nearby (**1/2"** supply minimum).

A drainage point or gully within ≤ 3 m for emptying the spa.

Indoors: ventilation to remove water vapour and floor drainage.

Important

Before delivery, make sure the spa's route (doors, corridors, stairs, gates) allows passage of at least 210 x 140 cm. If a crane is required, inform Oxygen in good time.

6. Installation & First Fill

Installation Procedure

Step 1: Place the spa on the prepared base. Check with a spirit level that it is level on all sides.

Step 2: Connect the electrical supply to the spa's supply terminal (through a licensed electrician).

Step 3: Connect the earthing and equipotential bonding.

Step 4: Open all valves (jets, suction; keep the drain closed).

Step 5: Fill the spa from the filter housing (not directly onto the jets) up to the fill line (≈ 5 cm above the highest jet).

First Start-up

Switch on the RCD and the circuit breaker.

The system runs a priming cycle **automatically** once powered. The in.k300 **has no separate priming button** — to bleed the air, press **Pump 1** repeatedly so the pump alternates between low and high speed.

Check for leaks at all connections (bottom of the skirt, housing, valves).

Set the temperature to **36-38 °C** for first use.

Initial heating from 15°C to 37°C takes **approximately 8-12 hours**.

Add start-up chemicals according to the instructions (see Section 9 — Water Chemical Maintenance).

CAUTION

NEVER switch on the pump or the heater without water in the spa. Dry running instantly destroys the heating element and the pump and voids the warranty.

7. Dual Speed Pump Operation

The OX L303 has **1 Oxygen Dual Speed pump** that serves both circulation/filtration and hydrotherapy. Speed switching is done automatically by the spa pack or manually by pressing **Pump 1** repeatedly on the in.k300.

Operating States

Speed	Purpose	Duration
Low	Continuous water circulation, filtration, heating and ozone operation.	Automatic (programmable)
High	Hydrotherapy jet operation — powerful massage in all zones A1-A4.	On demand (up to ~30 min)

Filtration Programme (Low Speed)

Recommended daily filtration cycle: **4-6 hours**.

During heavy use: increase to **8 hours/day**.

The programme is set from the in.k300 programming menu (parameters FS / Fd / FF — see Section 8.6).

The ozone generator runs in parallel for continuous sterilization.

Hydrotherapy Operation (High Speed)

Press **Pump 1** on the in.k300 until the indicator becomes steady (steady indicator = high speed).

The pump switches to high speed and activates all **33 jets** through distributor A.

Adjust the air intensity at the jets via the air valve (venturi) on the shell.

The session stops automatically after 15-30 minutes (timeout) for safety and energy saving.

The pump is manufactured by Oxygen. In the event of a technical problem, replacement and servicing are carried out immediately by the authorised Oxygen service in Thessaloniki.

Piping & Jets Diagram

The Dual Speed pump feeds a **water distributor (A)** that distributes the flow to the four jet zones (A1, A2, A3, A4) and to the **ozone generator**. An **air valve (B)** enriches the flow with air for the 'champagne' sensation in hydrotherapy. The control system (spa pack + in.k300 keypad) is located in the equipment bay under the cabinet.

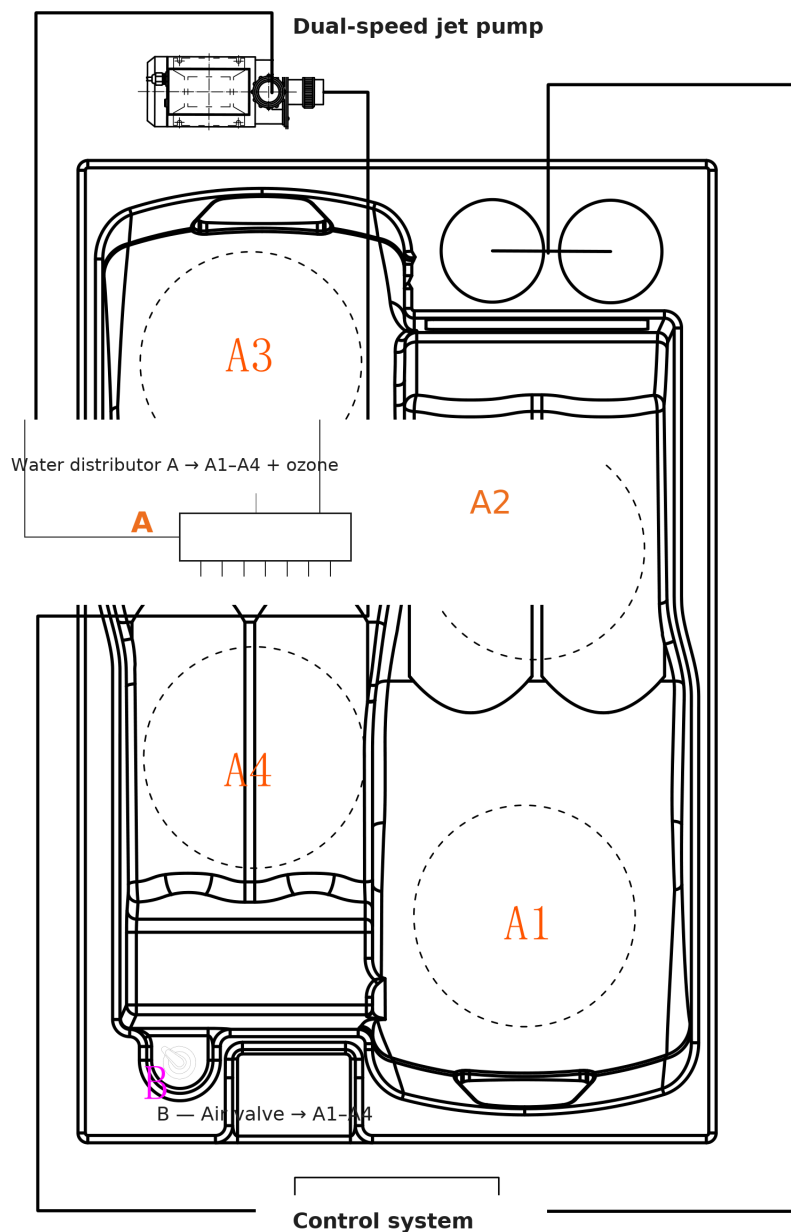


Figure 2 — OX L303 piping layout (top view)

Component	Zones / Connection	Purpose
Water distributor A	A1, A2, A3, A4 + ozone	Distributes the high-speed flow to all hydrotherapy zones and feeds the ozone generator.
Air valve B	A1, A2, A3, A4	Enriches the jets with air (adjustable venturi) for a more intense massage.
Control system	Spa pack + in.k300	Control of the pump, heating, filtration, ozone and lighting.

8. Gecko in.k300 Control Panel — Operation

The OX L303 is controlled by the **Gecko in.k300** keypad (Gecko Alliance, Canada) combined with a **Y-Class** series spa pack (in.ye / in.yt / in.yj). The in.k300 is the **keypad**: it issues commands and displays states. The actual power — 3 kW heater, pump relay, sensors — is in the spa pack under the cabinet.

Model: in.k300 1-pump version (part 0607-008036). 1.5" LCD screen · IPX-5 sealing · dimensions 57 × 160 × 47 mm.

8.1 Button Layout

The in.k300 has **four buttons**. There is no separate On/Off, Menu, Filter or Mode button — these functions are performed by **pressing and holding** the existing buttons.

Button	Short press	Long press (5 sec)
Up ▲	Increase the desired temperature (Set Point).	—
Down ▼	Decrease the desired temperature (Set Point).	—
Light	Turn the underwater LED lighting on / off.	Enter the programming menu (see 8.6).
Pump 1	Cycle the pump: low → high → off.	Activate Off Mode (see 8.5).

8.2 Display Indications

In normal operation the display shows the **current** water temperature. The icons around the number indicate status:

Indication	Meaning
Set Point	The value shown is the desired , not the current temperature. It appears while you adjust and disappears 3 sec after the last press.
Heater	The heater is running. Flashes when the system takes a temperature reading.
Filter	Filtration cycle in progress. Flashes when the cycle has been suspended.
SWM	Smart Winter Mode — lights up when a risk of frost is detected, flashes while the purge runs.
Pump indicator	Flashing = low speed · steady = high speed.

8.3 Temperature Setting

Press **Up ▲** or **Down ▼** — the **Set Point** indication appears and the value begins to change.

Setting range: **15-40 °C**. Recommended use value: **36-38 °C**.

After **3 seconds** without a press, the display returns automatically to the current water temperature.

The unit (°C or °F) is changed from the programming menu (8.6).

8.4 Pump Control

The OX L303 has **one dual-speed pump**. Each press of **Pump 1** advances to the next state cyclically:

1st press → low speed (indicator flashing) — circulation, filtration, heating, ozone.

2nd press → high speed (indicator steady) — hydrotherapy, all 33 jets.

3rd press → off.

High speed stops **automatically** after 15-30 minutes for safety and energy saving.

8.5 Off Mode — Maintenance Function

Use it before cleaning the filter or any work on the water, so the pump or heater does not start while you are working.

Press and hold **Pump 1** for **5 seconds**.

All outputs stop, together with the automatic functions: filtration cycle, heating command and Smart Winter Mode.

Duration: **30 minutes**. The display alternates 'OFF', time and water temperature.

The lighting **flashes** a few seconds before the end as a restart warning.

To resume early, press **Pump 1**. The display shows 'On' for 3 seconds.

CAUTION

Off Mode **does not disconnect** the electrical supply. For work on electrical parts, switch off the circuit breaker and the RCD.

8.6 Programming Menu

Hold **Light** for **5 seconds**. The parameters appear in a fixed sequence: with **Up/Down** you change the value, with **Light** you move to the next.

Order	Indication	Parameter
1	time	Time — first the hour (flashing), then the minutes.
2	FS xx	Filtration cycle start time (0-23).
3	Fd xx	Cycle duration in hours. 0 = no filtration, 24 = continuous.
4	FF xx	Frequency — cycles per day.
5	EP x	Economy mode: 0 = off, 1 = on.
6	ES xx	Economy mode start time.
7	Ed xx	Economy duration in hours (24 = continuous).
8	°C / °F	Temperature unit.

SAVING SETTINGS

Changes are saved **only** after you confirm the last parameter. If **10 seconds** pass without action, the system exits the menu and **keeps no changes**.

Do not set **Fd** to **0** — the water stays unfiltered. For the OX L303, Fd 4-6 hours is recommended, or 8 hours in intensive use.

8.7 What the Filtration Cycle Does

Purge step: the pump starts at **high** speed for **1 minute** to clear the lines.

Clean step: the pump continues at **low** speed for the remaining duration set by Fd.

The ozone generator runs in parallel with the clean step.

8.8 Economy Mode

Lowers the set point by **11 °C** for a specific period of the day — e.g. the hours when the spa is not used.

Activated from the menu: **EP 1**, with start time **ES** and duration **Ed**.

While active, the display alternates 'Eco', time and temperature.

Calculate the **recovery time**: an 11 °C rise requires several hours with a 3 kW heater — schedule the end before use.

Economy mode depends on the spa pack configuration and **is not available in all software versions**. If the EP / ES / Ed parameters do not appear in the menu, your system does not support them.

8.9 Automatic Protection Functions

The following functions run **without any action** from the user. They are not a fault.

Function	What it does
Smart Winter Mode	Starts the pump several times a day so the water in the pipes does not freeze. SWM indication.
Temperature measurement	Every 15-90 minutes the pump runs briefly for an accurate reading and to prevent the heater from operating dry.
Cooldown	Once the set point is reached, the heater switches off but the pump continues briefly to cool the element — extending its life.

8.10 Error Codes

The codes appear on the main display. Note the code before calling service — it speeds up diagnosis.

Code	Meaning	Action
HL	High-limit temperature fault.	Stop use. Call service.
FLO	No water flow.	Clean the filter, check the level and valves.
FLO (>2 hours)	No flow for more than 2 hours.	The system has locked the heating. Call service.
FLC	The flow switch remains closed.	Call service — possible flow-switch failure.
OH	Water temperature too high.	Uncover the spa and let it cool. Do not enter.
Prr	Temperature sensor failure.	Call service.
AOH	High internal temperature in the spa pack.	Check cabinet ventilation. If it persists, service.
HR / Hr	Stuck relay or thermal-safety fault.	Switch off the breaker immediately. Call service.
SP in	Supply voltage problem.	Have the electrical supply checked by an electrician.
FrEr	Mains frequency out of range.	Check the supply — common on a generator or unstable grid.
SC ER	Learning-mode error.	Call service.
UPL / BL	The spa pack has no valid software.	Reprogramming with in.stick required — service only.

CODE RANGE

The table covers the **Y-Class** spa packs (in.ye / in.yt / in.yj) of the OX L303. Other Gecko packs display additional codes. For the full list refer to the spa pack TechBook.

9. Water Chemical Maintenance

The correct chemical balance of the water is critical for users' health, the longevity of the equipment and a pleasant experience. The OX L303 has an **ozone generator** that significantly reduces the need for chemicals.

Spa Water Reference Values

Parameter	Ideal Range	Check Frequency
pH	7.2 – 7.6	2× week
Total Alkalinity (TA)	80 – 120 ppm	1× week
Hardness (CH)	150 – 250 ppm	1× month
Free Chlorine	1 – 3 ppm	2× week
Or Bromine	3 – 5 ppm	2× week
Cyanuric acid	20 – 50 ppm	1× month
Temperature	≤ 40 °C	Continuously

Compatible Spa Chemicals

Chemical	Use	Compatibility
Bromine (BCDMH)	Main disinfecting agent	Yes — recommended
Spa chlorine (dichlor)	Alternative disinfection	Yes
pH+ (Sodium carbonate)	Increase pH	Yes
pH– (Sodium bisulfate)	Decrease pH	Yes
Alkalinity Up	Stabilise pH	Yes
Shock treatment (non-chlor)	Weekly oxidising treatment	Yes
Anti-foam	Foam suppression	Yes
Stain & scale control	Prevention of deposits	Yes
Pool chemicals (TCCA, calcium hypo)	—	NO — prohibited

Chemical Dosing Rules

ALWAYS add chemicals with the pump running (high speed for dispersion). Wait 15 minutes before the next chemical. NEVER mix chemicals together before adding. NEVER use pool chlorine tablets/sticks — the concentration is excessive for a spa.

10. Maintenance Schedule

Daily Maintenance

- Check the temperature and pH/chlorine with strips or a digital meter.
- Remove floating leaves, insects, etc. with a skimmer net.
- Replace the safety cover after use (locked).

Weekly Maintenance

- Clean the 50 sf filter with pressurised water (filter cleaning gun).
- Check and correct the chemical balance (pH, TA, disinfection).
- Clean the waterline with a special grease-removal spray.

Monthly Maintenance

- Detailed check of all jets — remove and clean any scale.
- Check the cover for wear and re-waterproof.
- Check the wiring and electrical connections (by an authorised technician).
- Deep-clean the filter with a special scale/grease cleaner (overnight soak).

Annual / Semi-annual Maintenance

- Complete water change of the spa **every 3-4 months** (up to 6 months with perfect balance).
- Replace the 50 sf filter — recommended every **12 months** (code: contact service).
- Clean and disinfect the internal piping with a **line flush** before every water change.
- Annual service by an authorised Oxygen technician (check of pump, heater, sensors, water-tightness).

11. Troubleshooting

The list below covers the most common cases. In any case where the problem persists, contact Oxygen service (+30 2312 208 240).

Problem	Possible Cause	Solution
The spa does not turn on	Power failure / tripped breaker / RCD	Check the electrical panel. Reset the breaker. If it recurs, call an electrician.
The water does not heat	Active economy mode ('Eco' indication), low set point, dirty filter, temperature sensor	Check EP in the menu (8.6), raise the set point, clean the filter. If it continues → service.
Pump does not prime	Air in the circuit (priming required) / closed valve	Press Pump 1 repeatedly to alternate speeds until the air is expelled. Open all valves.
Weak jets	Dirty filter / partial blockage	Clean the filter. Check all jets.
Water leak	Loose union / broken jet / worn O-ring	Locate the leak point. Tighten the union. Replace the worn part.
Cloudy water	Low chlorine/bromine / high pH / filter saturation	Shock treatment + pH adjustment. Clean or replace the filter.
Bad water odour	Chloramines (accumulated organics)	Non-chlorine shock treatment. Full water change if it persists.
Foam in the water	Soaps/oils/cosmetics	Anti-foam. Shower before use. Clean the filter.
Green water (algae)	Lack of disinfectant + warmth	Shock treatment. Check pH. Clean the filter. Algaecide if needed.
Skin irritation	High chlorine or extreme pH	Check and correct the values. Dilute the water. Shock treatment.
in.k300: error code	Various (overheat, sensor, flow, pump)	See the code table in Section 8.10. Note the code before calling service.
The LED does not work	Burnt-out lamp / switch / wiring	Service to replace the LED or check the electrics.

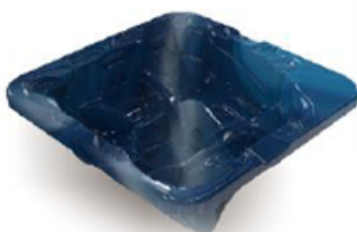
12. Available Colour Combinations

The OX L303 is available in **7 shell colours**, **4 cabinet colours** and **3 cover colours**, to blend perfectly with the style of your space.

Shell Colours (7 options)



Silver White Marble



Ocean Wave



Oyster Opal



Midnight Opal



Gypsum



Midnight Canyon

Available shell colours — Mitsubishi (Japan) acrylic

Additional option: **Pearl Shadow** (on request).

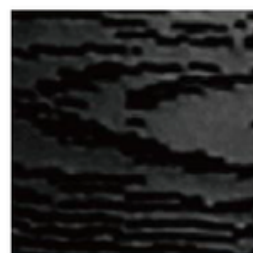
Cabinet Colours (4 options)



Grey



Taupe Brown

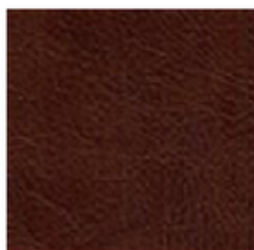


Black Stone

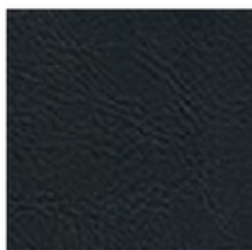
Available cabinet (skirt) colours — ABS Corner + new PS

Additional option: **Mocha** (on request).

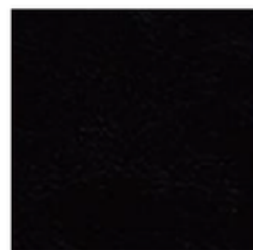
Cover Colours (3 options)



004



005



007

Available safety-cover colours

13. Spare Parts & Accessories

All spare parts and accessories are available from Oxygen service with immediate delivery.

Common Spare Parts

No.	Item	Replacement Frequency
1	50 sf filter	Annual
2	Oxygen Dual Speed pump (complete)	On demand
3	Pump motor	On demand
4	3 kW heating element	On demand
5	Gecko temperature sensor (Y-Class spa pack)	On demand
6	Ozone generator (UV/Corona)	3-5 years
7	Underwater LED lamp	On demand
8	Jets 4" / 3" / 2" (individual)	On demand
9	Suction cover	On demand
10	Head pillows (set of 2)	2-3 years
11	Safety cover	5-7 years
12	Replacement filter cartridge	Annual
13	Keypad Gecko in.k300 (part 0607-008036)	On demand

Optional Accessories

Access step in cabinet colour.
 Cover lifter (cover-lifting arm).
 Surface-cleaning skimmer net.
 Oxygen start-up & maintenance chemical kit.
 Filter cleaning gun.
 4-in-1 digital water test (pH, Cl, TA, CH).
 Built-in Bluetooth sound system (on request).

14. Warranty & Contact

Warranty Terms

Component	Warranty Duration	Terms
Shell (acrylic shell)	5 years	Against manufacturing defects. Does not cover scratches from misuse.
Support frame	5 years	Structural integrity. Corrosion from poor installation is excluded.
Oxygen Dual Speed pump	2 years	Full coverage of electrical and mechanical parts.
Gecko control system (in.k300 keypad + spa pack)	2 years	Full coverage of electronics.

3 kW heating element	2 years	Covered provided it was not run dry.
Ozone generator	1 year	Cell replacement.
LED lighting	1 year	Lamp replacement.
Cabinet (skirt)	1 year	Manufacturing defects. UV wear is excluded.
Cover	1 year	Manufacturing defects. UV degradation is excluded.

Warranty Exclusions

Damage from incorrect installation (uneven base, wrong electrical connection).

Damage from the use of non-approved chemicals (e.g. pool chemicals).

Damage from dry running.

Damage from frost (no draining during winter shutdown).

Damage from natural causes (flood, earthquake, grid surges).

Wear from non-compliance with the maintenance schedule.

Work by a non-authorised technician.

Contact Information

Company	OXYGON — Karavasilis Stergios & Sia EE
Headquarters	Karamaouna St., N. Rysio, 57001, Thessaloniki, Greece
Phone	+30 2310 810 000
Service	+30 2312 208 240
Email	info@oxygen.gr
Website	www.oxygen.gr
Romania subsidiary	OXYGON SRL — Str. Constelatiei 1 Bis, Voluntari, 077191, Bucharest
Romania Phone	+40 753 380 848
Romania Email	info@oxygen.ro

ISO Certifications

9001:2015 Quality Management <i>EUROCERT</i>	14001:2015 Environmental Management <i>BQV</i>	45001:2018 Health & Safety <i>BQV</i>
22301:2019 Business Continuity <i>EUROCERT</i>	46001:2019 Water Efficiency <i>BQV</i>	

Recycling of materials must be carried out in accordance with applicable regulations.