



# MAG OZONE SANITISER USER MANUAL



> **Contact us for  
information or support:  
01422 244733  
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## GENERAL INFORMATION

The **MAG Ozone Sanitiser** is a mobile and easy to use cleaning & deodorising system for indoor use. The robust product has high safety standards to quickly and efficiently create Ozone, then decompose this into Oxygen, allowing immediate access to treated spaces at the end of each cycle. The unique U.S. patented double barrier discharge technology achieves an industry leading Ozone output of 12,000 mg/h.

## DECLARATION OF CONFORMITY

Model No. POCS-500 (POCS= Portable Odour Control System)

This unit fully complies with CE & FCC rules of EMC regulations.

EN 61000-61, EN 61000-62, EN 61010-1, EN 5501 EMC, FCC Part 15

Safety of Low Voltage Directive 73/23/EEC as Amended: EN 61010-1



## SAFETY PRECAUTIONS & WARNINGS

- > Read this manual carefully before operating the unit
- > Do not expose the equipment to rain or moisture. Should any liquid come into contact with the system, unplug it and contact your supplier, or a qualified person, before operating it further.
- > Unplug the equipment when the product is not in use. Unplug this using the plug (do not pull the cord).
- > **DO NOT** enter the treated room during the operation of the system or before hearing the auto alert that indicates the completion of the cycle.
- > The system is equipped with a ventilation inlet and outlet. Do not block the inlet / outlet or place any foreign objects in their vicinity which may block the air flow.
- > Place the unit in the centre of the room that is to be treated.
- > Prior to removing the grill for maintenance always disconnect the unit from power.
- >  **Avoid electrical shocks.** This unit is supplied with an earthed cable - do not attempt to bypass this. Under no circumstances should the unit be used if the front panel grill is loose or missing.
- > There are no user serviceable parts inside the unit. Do not remove the back panel for the safety of yourself and others. Removing the back panel will void all warranties.

## UNPACKING

- > Open the box and gently place this on its side as pictured.
- > Lift the ozone unit up slightly and then remove this by rolling it on its wheels.
- > Fasten the handle to the top panel using three hex screws on each side.



## OPERATION, PREPARATION AND CONNECTIONS

- > Before turning on your **MAG Ozone Sanitiser** ensure all users have read this user manual in full.
- > **CAUTION**  Ozone is a powerful oxidiser, use this equipment with care. This product is only to be used in **UNINHABITED AREAS** containing no people, pets, plants, natural rubber or compounds containing natural rubber. Read all operating instructions before using this machine.
- > Do not attempt to enter the room while the machine is sanitising. Only re-occupy the room after the preset operating time has elapsed and the amber flashing light has stopped flashing indicating the machine is no longer in operation.
- > Before the unit is used ensure all windows, doors and vents are closed to prevent ozone leakage.
- > Connect the power cord into the sockets at the bottom rear panel of the machine and only then connect it to the power source socket.
- > Ensure the area is free from any persons, animals, plants or natural rubber (e.g. shoe soles, tubing, squeegee, keyboards)
- > Wheel the unit to the centre of the room and avoid the wire as a potential trip hazard.
- > Press the **"STOP"** (red) button to Reset.
- > The display will present a code followed by the alternating prompt: **Ready** and Set **Room Size**
- > Select the **"Room Size"** by pressing the relevant keyboard button. You may choose between the following four room sizes:
  - Small:** for room volumes below 30m<sup>3</sup>
  - Medium:** for room volumes between 30m<sup>3</sup> and 60m<sup>3</sup>
  - Large:** for room volumes between 60m<sup>3</sup> and 120m<sup>3</sup>
  - X-Large:** for room volumes between 120m<sup>3</sup> and 500m<sup>3</sup>
- Note:** For Large and X-Large rooms contact MAG with your room dimensions for a recommend air circulator (if required).
- > The display will now prompt: **Set Time**
- > Select the Short / Intermediate / Long cycle time by pressing the relevant keyboard button.



> Control Panel

**Short Cycle Time:** for light odour removal & sanitisation

**Intermediate Cycle Time:** for average odour removal & sanitisation

**Long Cycle-Time:** for strong odour removal & sanitisation

- > You can refine your time setting (optional) by pressing the Up or Down (blue) arrow buttons to extend or shorten the operation cycle time. Please refer to the reference chart on page six.

**Note:** The cycle time is indicated on the screen in hours and minutes (h= hours, m = minutes).

For example 3 hours and 20 minutes would be indicated as: 3 h 20 m

- > **CAUTION** ⚠ Before you press the **"START" "I"** (green) button verify the area is vacated of people, animals, plants and natural rubber.
- > Press the **green (I)** button to **START** the cycle.
- > The display will prompt you to **"Get Out of Room"** and the **amber hazard light** will begin flashing.
- > **IMPORTANT!** The system will begin generation of Ozone after a **60 second** delay in order to allow you to leave the room.



> *Get Out Of Room*

- > You must leave the room immediately, swiftly & safely.
- > Remaining in the room while the treatment takes place or entering the room before the cycle completes may be hazardous to your health.
- > Outside the room you will hear an **audio alert signal** indicating the ozone generation has begun.
- > Isolate the room, where possible with a lock and warning sign, to prevent access by persons or animals.
- > After the full operation cycle is completed, including the safe removal of ozone, you will hear a **second audio alert signal** indicating that the cycle is complete.
- > Upon entering the treated room the display should read: **Operation Complete** and the amber light should have stopped flashing.
- > **CAUTION** ⚠ In the event indications do not correspond to the above, leave the room immediately and **contact MAG on 01422 244733**.
- > After the cycle is completed unplug the unit before moving this to the next location.
- > If at any point you need to reset the keyboard settings press the **STOP (O)** (red) button on the keypad.



## ACTIVATION, DEACTIVATION & TOTAL OPERATING TIMES

Generation Time = <b>G</b>	
Decomposition = <b>D</b>	
Total Cycle Time = <b>T</b>	
<b>Inter</b> = Intermediate	

  

Time (minutes)	Default			Default			Default		
	G	D	T	G	D	T	G	D	T
Room Volume									
Small (<30mm <sup>3</sup> )	2	11	15	25	18	45	118	60	180
Medium (30 - 60mm <sup>3</sup> )	6	22	30	34	24	60	268	90	360
Large (60 - 120mm <sup>3</sup> )	20	38	60	126	52	180	1318	120	1440
X-Large (>120mm <sup>3</sup> )	178	120	300	598	120	720	2698	180	2880

## KEYBOARD CONTROLLED MAXIMUM CHANGE FROM DEFAULT TIME

Time (minutes)	Up			Up			Down		
	G	D	T	G	D	T	G	D	T
Room Volume									
Small (<30mm <sup>3</sup> )	17	11	30	70	18	90	28	60	90
Medium (30 - 60mm <sup>3</sup> )	21	22	45	154	24	180	88	90	180
Large (60 - 120mm <sup>3</sup> )	50	38	90	666	52	720	598	120	720
X-Large (>120mm <sup>3</sup> )	238	120	360	1318	120	1440	1258	180	1440

## MAINTENANCE AND SERVICE

To ensure trouble-free performance your **MAG Ozone Sanitiser** is required to be maintained every 500 hours.

The keyboard on your product will display **"Needs Service"** after 500 hours of operation.



To book your maintenance visit contact **MAG Equipment** on **01422 244733** or email **service@laundrymachines.co.uk**

Alternatively MAG can provide training or video assistance to a competent person with a "good pair of hands" that can follow these instructions. The maintenance procedure should take around 1 hour to complete.

**CAUTION**  - Prior to any maintenance or service disconnect the power by unplugging the product

### STEP 1 - CLEANING THE DUST FILTER

- (a) Remove black front grill panel by unscrewing the six screws, your product should now appear as *Figure A*
- (b) Loosen six screws in the frame around the dust filter so you can slide the filter out



> *Figure A*

**Note: Do not remove the earth cable connected to the grill**

- (c) Gently slide the filter up and out of its frame as seen in *Figure B*
- (d) Place the filter under warm tap water and wash out the dust. It is okay to use a mild soap to loosen the dust if required. Rinse and dry (it is okay to use a hair dryer).
- (e) Slide the dust filter back into its frame and retighten the six loosened screws.



> *Figure B*

## STEP 2 - CLEANING OZONE GENERATING CORES (SINGLETS)

- (a) There are two singlets to remove and clean which are located side by side in the unit
- (b) Pull out the electrical cable of the Singlet core on the right side of **Figure D** and disconnect the electrical connector.
- (c) Unscrew the two nuts holding the Singlet unit (red circles - **Figure D**)
- (d) Gently pull out the Singlet in a parallel motion from its supporting screws.



> **Figure C - Singlet Core**

### Be careful not to touch or scratch the glass tubes

- (e) Clean the Singlet core under warm tap water, particularly the gaps between the tubes. You may use a soft brush to remove any accumulated dirt.

### Do not wet the electrical connector

- (f) Repeat the same procedure above from the second Singlet core on the left hand side of **Figure D**.
- (g) Allow the Singlets to air dry or use a soft towel
- (h) Re-mount each Singlet core on its leading screws by sliding it in parallel.



> **Figure D**

### Remember to re-insert the Singlets so that the 3 tubes are facing you as show in Figure C

- (i) Re-attach the electrical connector to each Singlet core (ensure they are dry).
- (j) Re-screw the two nuts onto each Singlet supporting screw.

### STEP 3 - REATTACH THE BLACK FRONT GRILL PANEL

- (a) Replace the front grill making sure the dust filter is on the inside of the unit.

#### Make sure the earth cable to the grill is completely inside the unit

- (b) Re-screw the six screws around the frame of the panel.



### TROUBLESHOOTING

DESCRIPTION OF PROBLEM:	POSSIBLE SOLUTION:
<b>Display is blank and keypad does not function</b>	Check the power cord connections. Make sure the overload switch near the control panel is flipped to the right side and the green light indicator above the switch is ON.
<b>Display prompts "Ready" but keypad does not function</b>	Disconnect and reconnect the power cord. Wait for the screen to display "Ready". Press the STOP (red) button on the keypad. Press the hard RESET (yellow) button on the keypad.
<b>Red light (fault indication) is ON and the display indicates fault code "AL: Presso-stat" or "AL: Micro-Switch"</b>	Make note of the fault code indicated on the display. Disconnect (unplug) the unit and contact MAG for assistance.
<b>Display shows: "Needs Service"</b>	This notification will appear every 500 hours of use to indicate the equipment needs a maintenance visit. Contact us or refer to the maintenance section in this manual.
<b>Other</b>	Contact us for assistance on <b>01422 244733</b>

## WARRANTY

**MAG Equipment Ltd** (the "Company"), warrants to the original retail purchaser or buyer of the product (the "Purchaser") that the **MAG Ozone Sanitiser** will conform to and perform in accordance with the published technical specifications and any accompanying written materials supplied by MAG and will be free from defects in materials and workmanship under normal use and conditions for the applicable warranty period. The warranty period is 1 year, commencing on the date of purchase. During this warranty period the supplier will ensure the a reasonable solution is provided in the event of any breakdowns. This warranty does not extend to products that have been subject to misuse, accidental damage, exposure to corrosive substances, tampering or use in a manner not approved by MAG in writing.

The Ozone Filtering Unit is a consumable part subject and is expressly excluded from this warranty. All shipping, service calls and/or other incidental and/or related charges are fully payable by Purchaser only and are not included in this warranty. In the event a machine's fault requires reparation that can't be done by the customer on site, at the supplier's exclusive discretion, they may make the decision to replace a machine and the customer must return the old machine if a replacement is provided.

This agreement and any dispute or claim (including non-contractual disputes or claims) arising out of or in connection with it or its subject matter or formation shall be governed by and construed in accordance with the law of England and Wales. Each party (the Purchaser and the Company) irrevocably agrees that the courts of England and Wales shall have exclusive jurisdiction to settle any dispute or claim (including non-contractual disputes or claims) arising out of or in connection with this agreement or its subject matter or formation.

The Company reserves the right to update or amend their terms and conditions if it is in the interests of the Company or in order to meet any legal requirements and regulations. The Company may exclude or limit their liability for any actions which result in damage, injury or loss to the Purchaser or any persons or property associated with the Purchaser.

While every effort has been made to ensure the information provided is accurate the Company accepts no liability for any errors, inaccuracies or omissions and shall not be bound in any manner by any information provided.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE EXPRESSLY EXCLUDED AND DISCLAIMED. MAG EQUIPMENT LTD WILL NOT BE LIABLE FOR LOSS OF PROFITS, ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES WHICH PURCHASER MAY SUSTAIN, OR PUNITIVE DAMAGES, EVEN IN THE EVENT OF NOTICE OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL LIABILITY UNDER THIS WARRANTY EXCEED THE PURCHASE PRICE OF THE PRODUCT.

## TECHNICAL SPECIFICATIONS

<b>Input Voltage:</b>	230V; 50Hz
<b>Air Flow-Rate:</b>	450 m <sup>3</sup> /h.
<b>Ozone output:</b>	12g/h (12,000 mg/h)
<b>Operation:</b>	Fully Automatic Activation & Deactivation Cycles.
<b>Cycle time:</b>	Minimum 15 minutes, Maximum 48 hours - With special input code: 72 hours, ozone generation only
<b>Control:</b>	Digital keyboard
<b>Display:</b>	LCD, 16 Digits
<b>Safety:</b>	Circuit breaker 5A - Amber Flashing Light Indicator (during operation) - Red Fault Indicator - Buzzer Alarm (operation has begun; operation has ended) - Differential Pressure Regulator (air flow obstructed) - Door Interlock (front panel not closed)
<b>Net Dimensions:</b>	50 x 40 x 100 cm, with handle attached
<b>Packaging Dimensions:</b>	66 x 53 x 94 cm, with handle detached
<b>Ozone outlet duct:</b>	4" diameter
<b>Weight:</b>	34 kg; packed for shipment 40 kg
<b>Enclosure:</b>	Metal and ABS
<b>Wheels:</b>	leave no tracks
<b>Low EM Noise</b>	
<b>Certification:</b>	CE & FCC

### Normal Environmental Conditions:

#### Indoor use only

<b>Temperature:</b>	-5 °C to 40 °C
<b>Humidity:</b>	maximum relative humidity: 95%;

Aluminium and plastic enclosure

**MAG Equipment Ltd** has a policy of continuous product improvement and reserves the right to modify or change this specification at any time without notice.





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information or support:**  
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