

ZONTEC PA2500H

NOTICE – Acclimatizing Cycle.

This unit has a 30 minute start-up acclimatizing cycle during which the unit does not produce ozone and the fan(s) does not operate. After 30 minutes the ozone and time functions will automatically perform as selected.

OPERATING INSTRUCTIONS

Review the FORMULA BELOW AND THEN:

1. Set OZONE to desired setting
2. Set TIMER to desired setting
3. Plug the unit into any convenient wall socket
4. Switch the power to ON
5. Monitor odor level and adjust output as required to control odors

The following formula and charts are suggested as general guidelines only. Use of the formula and charts will enable the user to determine the approximate milligrams per hour (MG/HR) of ozone required to control various odor situations. Ozone output will vary substantially with changes in temperature and humidity.

AREA x ODOR FACTOR = MG/HR required

CUBIC FEET

1. Measure the Cubic Footage (LxWxH) of the AREA being treated
2. Estimate the ODOR FACTOR as follows:
 Light Odor Factor = 0.005
 Medium Odor Factor = 0.018
 Strong Odor Factor = 0.036
3. Multiply the AREA by the ODOR FACTOR to determine the MG/HR on the chart below
4. Set OZONE on the machine to the setting nearest the required MG/HR and adjust as required.

CUBIC METRES

1. Measure the Cubic Meters (LxWxH) of the AREA being treated
2. Estimate the ODOR FACTOR as follows:
 Light Odor Factor = 0.18
 Medium Odor Factor = 0.65
 Strong Odor Factor = 1.29
3. Multiply the AREA by the ODOR FACTOR to determine the MG/HR on the chart below
4. Set OZONE on the machine to the setting nearest the required MG/HR and adjust as required

PA2500H

Mg/HR (Milligrams per hour in dry air)

625	833	1042	1250	1458	1667	1875	2083	2292	2500
1	2	3	4	5	6	7	8	9	10

OZONE SETTING

Example: 35,000 cubic foot room x 0.036 Strong Odor Factor = 1260 MG/HR. Set OZONE at 4 (1250/HR) and adjust as required

Example: 1,000 cubic foot room x 1.29 Strong Odor Factor = 1290 MG/HR. Set OZONE at 4 (1250/HR) and adjust as required

ALWAYS THOROUGHLY CLEAN AND SERVICE ZONTEC AFTER EACH USE

ZONTEC PA2500H

Reliability

Zontec manufactures the highest quality, easy to use, low maintenance units backed by years of research and development and an outstanding record of in-service reliability

How Zontec Units Work

The Zontec PA2500 eliminates odors by producing a controllable level of Ozone. The Ozone is created electronically by converting Oxygen (O₂) into Ozone (O₃). By its very nature Ozone will revert to Oxygen within a short period of time. It is this process of returning to Oxygen that creates the deodorizing effect. The 3rd Oxygen atom in Ozone must attach itself to another gaseous element. It is such gaseous elements that are the source of everything we smell. In combining with the 3rd atom the odorous element is oxidized and the odor eliminated.

PA2500 Features and Specifications

- Adjustable Ozone output control providing from 625 up to 2500 milligrams per hour
- Multiple option time: 3hr, 6hr, 12hr, 24hr, 48hr and continuous operation setting
- Lighted on/off switch and separate ozone production lights
- Red, scratch resistant aluminum cabinet with protective bumper guards and attached power cord
- Disposable 'Spor-Ax' antimicrobial filters protect the internal components of the unit and provide a broad range of control for a number of molds, mildew, algae and

PA2500 Features and Specifications

(cont'd)

bacteria present in the environment. This highly effective antimicrobial has been approved by the FDA, the USDA and the EPA

- Quadruple, low maintenance, parallel plate generators powered by dual heavy duty transformers
- Size: 14" long, 15" wide, 5.5" high (36cm long x 38cm wide x 14cm high)
- Weight: 22 lbs (10 kg)
- Twin fans with a combined output of 270 CFM (7.7 m³/min).
- Power: 120 volt/75 watt/60 hertz. (240 volt/50 watt/50 hertz)
- Electrical approvals: NRTL (Nationally Recognized Testing Laboratories for NAFTA compliance with applicable UL and OSHA electrical standards). CSA (Canadian Standards Association)
- Safety Zontec units are designed to operate within the Occupational Safety & Health Association (OSHA) standards. All Zontec units come with easy to read operating instructions to assist the operator in ensuring that usage falls within OSHA guidelines
- 2 year bumper to bumper warranty
- Cleaning/Maintenance kits, Acclimatizing Cycle and rugged 'System 10,000' cart available

Approximate Output Range (range will vary with changes in temperature and humidity)

Odor Strength	LIGHT ODOR	MEDIUM ODOR	STRONG ODOR
Ozone Required	Approx: 9.02 ppm	Approx: 0.03 ppm	Approx: 0.04 ppm
Cubic Foot Range	125,000 – 500,000	34,000 – 138,000	17,000 – 69,000
Cubic Meter Rang	3,540 – 14,165	960 – 3,910	480 – 1,955

For the Ultimate Solution to Fire and Flood Odor Problems: the "System 10,000" generates up to **10,000 mg/hr of ozone** and over **1,000 CFM** of airflow to handle smoke damaged areas up to 275,000 cubic feet. The System 10,000 consists of 4 independent PA2500 modules mounted in a rugged cart

*******WHEN USING IN A HOUSE YOU SHOULD TAKE ANY PLANTS OR ANIMALS OUT OF HOUSE AS OZONE WILL TAKE OXYGEN OUT AND IT WILL AFFECT PEOPLE AS WELLL. NOT RECOMMENDED TO BE USED WHILE YOU ARE WORKING IN THE SAME AREA.**

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