


## AiroCide PPT & Ozone Generator Comparison Chart

	AiroCide PPT	Ozone Generator
<b>Can be Harmful to humans?</b>	<b>No</b>	<p style="text-align: center;"><b>Yes</b></p> <p style="text-align: center;"><u>Potential risk of experiencing:</u></p> <ul style="list-style-type: none"> <li>➤ Decreases in lung function</li> <li>➤ Aggravation of asthma</li> <li>➤ Throat irritation and cough</li> <li>➤ Chest pain and shortness of breath</li> <li>➤ Inflammation of lung tissue</li> <li>➤ Higher susceptibility to respiratory infection</li> </ul> <div style="text-align: center;">   <i>US Environmental Protection Agency</i> </div>
<b>Can be Harmful to produce?</b>	<b>No</b>	<p style="text-align: center;"><b>Yes – Can Be</b></p> <ul style="list-style-type: none"> <li>➤ “High levels of ozone cause target cells to collapse, leading to local visible tissue destruction.”(<i>World Health Organization</i>)</li> <li>➤ ...For example, continuous use of 3.25 ppm of ozone failed to prevent decay of apples and caused injury (<i>Washington State University</i>)</li> </ul>
<b>Can be Harmful to equipment?</b>	<b>No</b>	<p style="text-align: center;"><b>Yes</b></p> <ul style="list-style-type: none"> <li>➤ Rusts iron (<a href="http://www.cmc.gov.za/pht/airpollcontrol.htm">http://www.cmc.gov.za/pht/airpollcontrol.htm</a>)</li> <li>➤ Deteriorates rubber &amp; PVC (<a href="http://www.lenntech.com/ozone-resistant.htm">http://www.lenntech.com/ozone-resistant.htm</a>; <a href="http://www.balloonhq.com/faq/deco_releases/degradability.html">http://www.balloonhq.com/faq/deco_releases/degradability.html</a>)</li> </ul>

	<b>AiroCide PPT</b>	<b>Ozone Generator</b>
<b>Regulations?</b>	<p><b>No</b></p> <p>(The AiroCide technology is listed with the FDA as a Class II medical device)</p>	<p><b>Yes</b></p> <p>The <u>American Conference of Governmental Industrial Hygienists</u> (ACGIH) has recommended that 15-minute short-term exposures to <b>ozone not exceed 0.3 ppm.</b></p> <p><u>OSHA General Industry PEL:</u> 0.1 ppm, 0.2 mg/m<sup>3</sup></p> <p><u>OSHA Construction Industry PEL:</u> 0.1 ppm, 0.2 mg/m<sup>3</sup> TWA</p>
<b>Insurance?</b>	<b>No Issues</b>	Possibility of elevated insurance premiums due to health risks.
<b>Cost?</b>	\$	2–3 times cost of equipment alone
<b>Additional Supporting Equipment Required?</b>	<b>No</b>	<p><b>Yes</b></p> <ul style="list-style-type: none"> <li>➤ Required ozone monitor for OSHA reg. nearly double cost of system.</li> <li>➤ Cooling device for generator also required.</li> </ul>
<b>Maintenance?</b>	Annual Bulb Change – 1 hr. unskilled labor	Regular and frequent maintenance – specialized training for repair and regulating
<b>Electricity?</b>	\$1.20 per day (approx.)*	\$2.75 per day (approx.)*

\* Based on current electricity rates in Kent, WA

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