

How to Clean Your Water at Work: UV or Ozone Treatment

While most tap water in the U.S. is safe to drink due to chlorine disinfection, that method alone won't kill all the dangerous microorganisms. Installing a water purification system at your office can be a great way to improve the health of your employees—and be more environmentally friendly to boot. Two methods you may want to consider are Ultra Violet (UV) or Ozone treatment.



	UV	vs	Ozone
How it Works	<p>Ultra Violet (UV) light systems are very simple: UV light disrupts RNA and DNA which stop microorganisms from reproducing, thus rendering them harmless.</p>		<p>Ozone or Activated Oxygen™ is created by passing oxygen through a corona discharge generator and dissolving it in water. Unlike the oxygen you breathe, which has two oxygen atoms, ozone has three oxygen atoms. This means that ozone is an unstable gas that quickly gives up an atom of oxygen.</p>
What it Does	<p>NEUTRALIZES:</p> <ul style="list-style-type: none"> <u>Bacteria</u> <u>Viruses</u> Other microorganisms 		<p>ELIMINATES:</p> <ul style="list-style-type: none"> <u>Bacteria</u> <u>Viruses</u> Organic Material (food debris) PCBs (polychlorinated biphenyl) <u>Strange Odor and Taste</u>
Maintenance	<p>Lamps switched every 6-12 months.</p>		<p>No annual maintenance.</p>
Limitations	<p>Water can only be purified by UV light if there is no haziness or cloudiness caused by particles in the water.</p> <p>Does not remove chlorine and chloramines - these are removed by dual carbon filters found in all PWT water filtration products.</p> <p>UV rays are invisible to the naked eye so it becomes very hard to determine if the UV system is still working, or when a lamp might need to be replaced.</p>		<p>Does not remove chlorine and chloramines - these are removed by dual carbon filters found in all PWT water filtration products.</p>