



## Cannabis

In modern hydroponic growing systems, cannabis growers are safely using ozone to destroy mold, mildew, bacteria, algae, yeast, fungus, pollen and hydrocarbons within the hydroponics process water without leaving harmful residues behind. Ozone is a very powerful oxidizing agent which is made up of three oxygen atoms (O<sub>3</sub>). The third, loosely-bonded oxygen atom destroys contaminants and is the key to ozone's robust oxidizing power. The unstable third oxygen combines with organic and inorganic molecules to destroy them through oxidation. This process happens instantaneously and produces pure residual oxygen as the by-product, giving a massive boost to dissolved oxygen (DO) levels in your water. The result is a much healthier and faster-growing crop. Simply put, the more oxygen in the water, the happier your plant's roots will be.

Since ozone is unstable, it has a fairly short half-life and has to be produced on-site and supplied continuously at the point of application via a complete ozone system. Ozone generators are used to create ozone in a controlled environment by replicating the conditions in the Earth's outer atmosphere. Unlike chemical systems, there are no inputs other than electricity to create ozone gas from oxygen concentrated from air.

OWS designs and engineers complete turn-key ozone systems. These ozone systems are mounted on stainless steel skids then pre-wired, pre-plumbed, and tested at our manufacturing facility for installation and operating convenience. OWS ozone skids are available in several standard sizes and provide an output maximum of 10, 30, or 50 grams per hour. The Ozone Water Systems fully integrated ozone systems are ready for installation and can be scaled to fit any application.

### KEY BENEFITS

- Annihilate mold and control odor
- Protect against diseases
- Sterilize equipment
- Fast disinfection
- Recycling and reuse of feed water
- Small footprint
- No measuring, monitoring, or handling of chemicals
- Oxygenation of feed water supply promotes healthier plants
- Yield better results
- Full FDA-approval

### OWS OFFERS:

- Service
- Rental Equipment
- Monitor Calibrations
- Uniform Fire Code Compliance
- Parts Support
- Sales
- Pilot Systems
- Refurbished Equipment
- In-house Repairs
- Custom System Design
- Years of Experience

### Standard Ozone Skid

