# How it Works

1. Ozone Production: Ozone is produced from oxygen using electricity and ambient air.
2. Ozone Injection: Ozone is dissolved into the water.
3. Pathogen Inactivation: Pathogens and organic matter are eliminated.
4. Ozone Conversion: Ozone converts back to oxygen.
5. Filtration: Filtration captures particulate matter.
6. Clean Water: Clean, pure, aerated water is ready for use.

# The Value

## Best Water Quality

* Disinfection: Outperforms chlorine, UV, and oxygen-based water treatments.
* Biofilm: Prevents and eliminates biofilm, reducing disease, clogging, and maintenance.
* Organic Matter: Clarifies water by removing organic matter.
* Oxygenation: Achieves better dissolved oxygen (DO) levels than oxygen-based aeration.

## Cost and Maintenance Efficiency

* No Consumables: Eliminates the need for purchasing, handling, and storing chemicals.
* Low Maintenance: Reliable, high-quality, Canadian-made systems.
* Healthy Crops: Improve crop quality and yield

Water Conservation

* Recirculation: Recirculate water with the best pathogen protection available and without accumulating organic matter. Effective, Safe, and Healthy

## Pathogen Control

* High Efficacy: Effective against the hardiest of pathogens.
* Contaminants: Breaks down, precipitates, and filters out contaminants.

# **System Compatibility**

* Versatile Configurations: Compatible with flow-through or recirculating installation
* High Volume: Handles high-volume applications (up to 100m3/hour)
* Safety Designs: Advanced safety designs and alerts for workplace safety
* Ozone Output: 40-320 grams/hour, 10-15% (v/v) purity

# Features

* User Interface: Color touchscreen and user-friendly software.
* Programmable Controls: Scheduling, setpoints, and alerts.
* Safety Sensors: Ambient ozone sensors for leak detection.
* Integration: Modbus and PRIVA capable.
* Compatibility: Plumbs into existing dry air supply and irrigation lines.

# Upgrading Options

* Nanobubble Injection: Provides superior ozone performance and retention time
* Remote Capabilities: Remote control, monitoring, and alerts
* Mult-Valve Control: External control system, enabling treatment of multiple water sources with a single unit.