



# DD-25 Dual Defense Wet/Dry System

The enormous benefits of ozone disinfection as a highly effective and safe organic treatment is widely understood by professionals in the winery and beverage industry. With over 18 years working with professionals in the winery and beverage industry, our engineers recognized a need for an effective, powerful and chemical free solution that was well-designed and reliable to meet the specific needs for barrels, storage tanks, bottling equipment and CIP wash down. So, we got to work and designed and built the perfect solution.

Introducing the DD-25 Dual Defense Ozone generating system by Ozone Technologies Limited. With its advanced features and wide range of benefits, it ensures enhanced sanitation, increased efficiency, cost savings, and improved product quality, making it an indispensable tool for industry.

The DD-25 mobile sanitation cart offers both gas and wet-phase ozone treatment options at the touch of the screen via the user-friendly HMI (Human Machine Interface) panel. The cart also has a separately controlled oxygen gas treatment for micro-oxy applications. The HMI provides a clear visualization for operators of the treatment process and with variable treatment times and concentrations, gives this system a huge advantage over other similar products and with the handheld remote, valuable operator time is saved.

We even went a step further and took all the guesswork out of calculating the correct gas dosage and contact times for barrels, tanks, and enclosures. Just enter the height and diameter of the vessel and the HMI PLC will calculate the application rate automatically.

With operator safety being paramount, we meticulously designed our gas dosing handle, featuring an integrated ozone destruct mechanism with silicone stopper. As gas enters the barrel, any excess ozone is immediately neutralized by the ozone destruct, effectively removing exposure to operators and personnel.

## Key Features

- User friendly HMI touch screen
- Automated gas dosage calculation dosage and contact times for barrels, tanks, and enclosures
- Gas dosing handle with a silicone stopper.
- Oxygen-fed corona discharge ozone generator production 25 g @ 10 SCFH 6% wt wt
- Water flows up to 50 LPM at 1-6 ppm for CIP washdown.
- Convenient 230v power supply
- Ozone destruct, limiting exposure to the operator.
- Robust design constructed from 316-grade stainless steel.
- Built-in demister preventing moisture accumulation, maintaining the efficacy of the sanitation process.
- Handheld remote
- Full user manual



Ozone Gas Dosing Handle



Clean in place



Bottling Equipment



Tanks and Vessels



Barrels

## Dual Defence Specifications

Electrical	Main Power RCD protected	220/240 VAC 50Hz, 10 amps
Ozone Gas Output	Ozone output via gas outlet	25 g/hr @ 8 lpm > 6% wt wt
Water Inlet	Water Inlet pressure & temp	2.5-6 Bar @ 5-35 °C
Ozone Water Output	Dissolved ozone water ( Max )	6 ppm @ 50 lpm or 15ppm @ 10 lpm
Water Supply Connections	Water inlet/outlet hose connection	1" Camlock or 1-1.5" Triclover
Gas Phase Efficiency	Treatment times for disinfection	Standard Barrel in 90 sec (40/hr)
Oxygen Gas Output	Oxygen output of O <sup>2</sup> gen	95 +/- 3% @ 10 lpm
Ozone Gas Outlet	PLC-controlled dosing calculation	2" Tapperd silicon bung with ozone destruct
Dimensions	1200mm H x 780 mm W x 1100 L	