***Patent UV Ozone & Gas Mixing Unit***

***Overview:***

*The patent UV Ozone & Gas mixing unit is a compact, lockable enclosure that is designed to hold an air blower, High output UV ozone lamps, & and a starter.*

 *The unit is designed to inject UV ozone or other gases directly into the wastewater effluent to destroy F.O.G. (Fats, Oils & Grease), Hydrogen Sulfide and other harmful chemicals found in commercial, industrial & municipal waste streams.*

*Low pressure air, <3 psi, is blown across high output UV Lamps that produce UV Ozone and hydroxyl radicals.*

*The air is delivered to one or more DO2E patent Little John Digesters submerged in the effluent. The Digester injects the UV ozone directly into the effluent stream through a unique combination of coarse & fine bubble diffusion.*

*These bubbles caring the UV Ozone is released within the body of the digester. The combination of water pressure and air pressure surrounding these course and fine bubbles within a confined space creates the perfect delivery system, allowing the UV ozone to destroy F.O.G. & H2S.*

*This Ozone & Gas Mixing Unit can also be used as a stand-alone air fogging unit where ozonated air is blown directly in the air cavity where odor is created. This is strictly for Odor and Corrosion control.*

*This unique patent system is an excellent replacement for chlorine disinfection of discharged wastewater where decolorization is required.*