

The Fresh Wave IAQ® DVS45 vs. Ozone Generator



Organizations require a quick and effective method for removing odor molecules from a broad range of sources in hotel rooms, offices, dormitories, hospital rooms, and other large commercial spaces, including hard (wall board, plaster) and soft (carpeting, upholstery) surfaces.

Until recently, ozone generators were the only technology available to facilities professionals, but the development of the Fresh Wave IAQ® DVS45 – a safe, effective method for complete odor elimination – is the innovative solution.

THE FRESH WAVE IAQ DVS45

The Fresh Wave IAQ DVS45 was developed to provide a dry dispersion system for efficient and safe application of Fresh Wave IAQ Air & Surface Liquid and Smoke Away Air & Fabric Liquid, non-toxic, non-hazardous natural odor eliminator. Minute dry vapor particles eliminate malodors on fabrics and surfaces as well as in the air, penetrating deep into carpets and upholstery, draperies and bedding, wallboard, and other surfaces.

OUR SCIENCE

Fresh Wave IAQ is engineered from a proprietary blend of natural ingredients – plant oils and water – making it environmentally friendly and safe to use.

The science behind these products is based on four simple-yet-effective principles:

1. **Contact:** Product molecules released into the air make contact with malodor molecules via opposing electrostatic charges and random contact
2. **Absorption:** Product molecules absorb and destroy odors on a molecular level
3. **Solubility:** Product enhances the solubility of most gases
4. **Reaction:** Product modifies the malodor molecule to a non-odorous state



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SAFETY	<ul style="list-style-type: none"> • Made with plant oils, food-grade surfactant, and water • Free from harsh chemicals and synthetic masking fragrances • Non-toxic and readily biodegradable • Classified non-hazardous under the Global Harmonized System (GHS) • ETL certified for safety and quality • Fresh Wave IAQ Air & Surface Liquid HMIS: Health – 0, Flammability – 0, Reactivity – 0 • Fresh Wave IAQ Smoke Away Air & Fabric Liquid HMIS: Health – 0, Flammability – 0, Reactivity – 0 	<ul style="list-style-type: none"> • Highly reactive, toxic gas • Reactive with molecules in the air, and a potential to form harmful byproducts • Pungent smell • Potential for life-threatening illness caused by long periods of exposure (U.S. EPA, 1996a, 1996b)
EASE	<ul style="list-style-type: none"> • Highly portable • Simple “plug and play” operation • Product output can be controlled, low to high • Run timer can be set for truly effortless use 	<ul style="list-style-type: none"> • Cumbersome operation
EFFECTIVENESS	<ul style="list-style-type: none"> • Eliminates odors quickly • Sub-micron size product particles provide more effective surface penetration over a greater surface area 	<ul style="list-style-type: none"> • Only works at high concentrations, which are considered harmful to public health by EPA, OSHA, and FDA
EFFICIENCY	<ul style="list-style-type: none"> • Operational while crews are working in the space – no stoppage of work is necessary 	<ul style="list-style-type: none"> • Area of operation must be free of all forms of life