

BioKill™ -200

Property Restorer—Apartments, Hotels



Model 200

Extra Power to Remove Fire, Smoke, Water Damage

Powerful commercial equipment ideally suited for decontamination of odors, chemical vapors, surface mold and spores. With twice the power of the model 100, it works by internal molecular disintegration of suspended organics, exporting an extremely high ozone gas concentration that dislodges and suspends contaminants that are then eradicated inside the device. Unlike many inferior methods and technologies, this powerful equipment produces immediate results!



HOW IT WORKS

This product uses "suspend and eradicate technology" rather than relying on basic "ozone burn" like other products. It works by **first dislodging contaminant molecules** (odors, mold, mildew, bacteria, virus) from the surfaces where they cling, suspending them in flowing air that is then sucked into the unit. Inside they impact a special screen where they are permanently destroyed. To accomplish this BioKill™ starts with ozone, created cleanly from natural air. The ozone reaches around corners and into crevices to temporarily dislodge contaminants coated on surfaces. Once suspended in the flowing air, the contaminants are carried into the BioKill™ where they impact a screen covered with free radicals. Those highly reactive chemical species aggressively pull electrons out of all the contaminants long chain carbon molecules, disassembling their organic matter. Once started, the dismantling process cascades, eventually **eradicating all the contaminants fragments**, reverting their matter back to the natural elements from which they were composed, primarily carbon, nitrogen hydrogen, and oxygen. The eradication process is instant at the molecular level, without residue. The unit is essentially self-cleaning.

BioKill™ creates "clean ozone" in a closed treatment area, unlike basic ozone machines which need outside air. (Those use an electric spark that also creates toxic nitric oxide unless the air going into them is carefully pre-dried, and their spark-jump plates must be continuously removed and cleaned.) BioKill™ is self-contained, requires no air drying or plate cleaning, creates no toxic side effect chemicals, and actually uses moisture in normal air to help create its powerful dismantling species. It is rated at 10,000 mg/hour ozone output, which raises the concentration of a test chamber to over 150 parts per million in 7 minutes! But instead of relying on its strong ozone production alone to inactivate some contaminants, BioKill™ follows through to eradicate all contaminants once they've been dislodged by its clean ozone.

Surface mold, mildew, bacteria, viruses and their odors are huge problems for safe living conditions. This product eliminates those problems instantly, producing miracle results, over and over. BioKill™'s air flow is driven by an industrial impeller, not a cheap fan. The image on the right shows how BioKill™ eradicates 100% of a heavy *Aspergillus Niger* mold-spore concentration in a sealed test chamber in only 7 minutes! Its ability to operate as an unattended, self-timed, self-contained, "set-it-and-forget-it" unit in a sealed environment results in major service labor savings.



Mold Spore Eradication, BioKill-200
Aspergillus Niger Spore Culture - cubic meter test chamber impaction samples

Spore Concentration before BioKill Spores Eradicated (7 minute run time)

Direct, On-line sale:
<http://shop.microsweep.com/>

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Property Decontamination Products

MS #102411

Features

- Quick clamp 4" hose ports
- Lift handle, portable, 32 lbs
- 26.75" x 9.5" x 10"
- Timed power with on-lamp
- Elapsed time meter
- Rugged; Shock-mounted guts
- Re-enter treatment area in 1 hour
- Powerful, Effective

Restoration Contractors

- Smoke & water damage recovery
- Mold/Mildew removal
- Apartments-Condos Renovation
- Odor eradication
- Chemical/Fuel spill removal

Ozone Concentration from BioKill-200

1 cu meter test chamber 10/25/2011

