



Air Disinfecting Purifier-70 (ADP-70)

Overview

The ADP-70 is a sanitizing device that circulates ozone to purify the practice's air and surfaces. Bacteria, viruses, mold, mildew, and other contaminants are continuously rendered harmless. Odors are also eliminated, creating a cleaner, safer work environment. The ADP-70 gives you additional protection by reducing pathogens in the workplace.

Applications

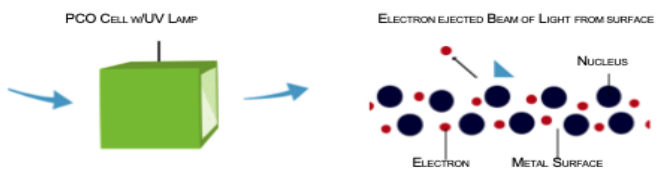
The ADP-70 is ideal for:

- operatory areas
- patient waiting or common areas
- break rooms
- any unconfined area where you want to control pathogens and odors.



About the Technology

ADP-70 utilizes ozone oxidation technology that generates advanced oxidation, primarily consisting of hydroperoxides, or vaporized hydrogen peroxide. Photo catalytic oxidation technology replicates nature's purifying process through the use of ultraviolet energy to activate a multi-metal catalyst, converting water vapor into oxidizers including peroxide and hydroxyls. These oxidants will either inactivate the microbe by the process of cell lysing which compromises the cellular integrity by oxidation penetrating the cell wall, or by changing the molecular structure rendering the contaminant harmless.



THE ELECTRONS TRANSFERRED COMBINE WITH AIR (O₂) AND WATER (H₂O) (SUPPLIED BY THE MOISTURE FROM THE PCO CELL'S HYDROPHILIC COATING) TO FORM POSITIVELY AND NEGATIVELY CHARGED CLUSTER IONS (HYDROXYL RADICALS).



THE HYDROXYL RADICALS WORK TO RUPTURE THE SURFACE MEMBRANE LEADING TO MALFUNCTION AND EVENTUAL DEATH OF THE PATHOGEN CELL WITH ONLY CARBON DIOXIDE AND WATER VAPOR REMAINING.

ADP-70 Specifications

DIMENSIONS

10.25"H x 9.75"W x 3.75"D

WEIGHT

3.0 lbs

ELECTRICAL

24V DC, .54 amps
115 VAC adapter included

WARRANTY

1 year

PERFORMANCE

airflow: 70 CFM
ozone output: <0.05 ppm
coverage: 2000 square feet