

Large Room Air Purifier

Three-stage air purification system for commercial and institutional applications

A Formula For Safer and Cleaner Indoor Environments

Progressive

Air Filtration
Pre-Filter plus
MERV 11
or HEPA

+

Odor/VOC

Reduction
Photocatalytic oxidation

+

Air

Stream
Disinfection
UV-C treatment for airstream applications

=

Healthier

Indoor Air
The UVMatrix®; CW-Series from Ultravation®

Download literature in pdf format

Reduces common indoor air pollution, including particulates, odors and biological contamination.

Three air treatment technologies are combined in a comprehensive ceiling or wall-mount system:
Stage 1: Progressive air filtration

Air is drawn in through a premium MERV 11 Ultravation® Progressive air filter, achieving 85% efficiency on particles as small as 3 microns (HEPA is available for even more stringent filtering).
Stage 2: Air stream disinfection

Air is then passed through a processing chamber where it is exposed to UV-C irradiation to reduce airborne pathogens, allergens and mold spores.
Stage 3: VOC / odor reduction u photocatalytic oxidation

At the same time the air stream is placed in contact with a reactor substrate grid that is coated with titanium dioxide (TiO2) and activated by UV-C light. Volatile Organic Compounds (VOCs) in the airstream are decomposed as the result of reacting with the activated TiO2 coating on the grid.
UVMatrix®; CW-Series is highly recommended for:

- Public gathering areas
- Educational facilities
- Courtrooms
- Hospitals
- Physicians' facilities
- Veterinarians' facilities
- Kennels

- Restaurants
 - Cocktail lounges
 - Country clubs
- System
- Ceiling or wall mount
 - MERV 11 filtration (HEPA optional)
 - Quiet operation with reverse impeller blower
 - Variable speed: 400 - 950 CFM
 - Low maintenance
 - Philips Sterilamp® Compact Twin low mercury, long lasting UV lamps
 - Electronic power supply for better UV lamp life and optimized output