

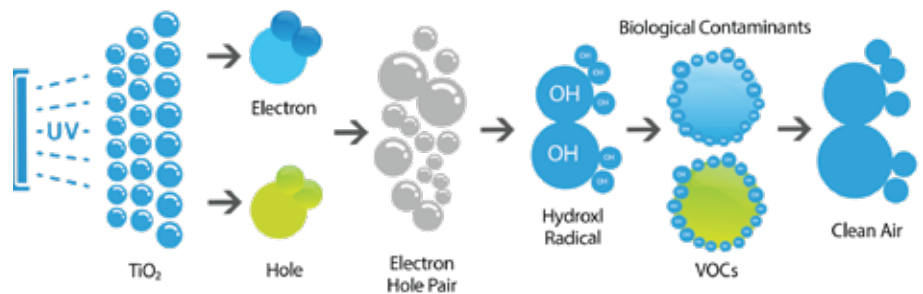
IAQ Options



Photo-Catalytic Oxidation Technology

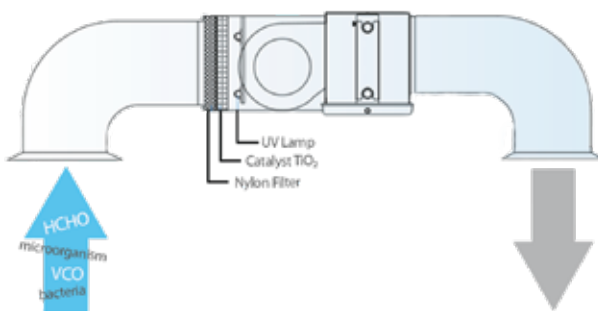


- Photo-catalytic oxidation (PCO) utilizes ultraviolet radiation to create highly reactive hydroxyl radicals and super-oxide ions on the surface of a metal oxide catalyst
- Biological contaminants coming in to contact with the hydroxyl radicals are oxidized and decomposed
- Volatile organic compounds (VOCs) are converted to simpler chemicals, carbon dioxide and water



Current available fan coil unit filters in the market are not able to detect and address VOCs and microbial pathogens.

Unit Configuration



- Effective against biological contaminants and volatile organic compounds
- Equipped with multiple high-power UV lamps and metal plate TiO₂ filter to ensure effective purification
- As a photocatalytic raw material, TiO₂ adopts high-temperature film-forming coating technology to give full play to its photocatalytic effect
- The accessory does not load or become consumed and does not require the periodic replacement, replacement or maintenance required for UV lamps only
- No additional pressure drop due to PCO filters, hence, no change in motor power

Applicable Models:
FWW-VC/C/F/H/DA

Power Supply:
220-240V/1Ph/50Hz & 60 Hz

PCO Retrofit Kit Option available for existing installation

Advantages

- Remove the existing filter and mount the PCO retrofit kit on the return flange
- Minor modification on the unit wiring