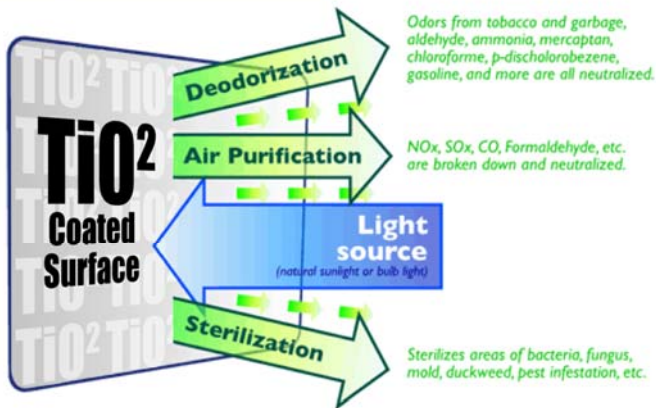


AIRQUALITY SERVICES

QATUV-1 Ultra Violet Light With Titanium Dioxide Sleeve

- Simple Installation
- Automatic operation
- Very Low Maintenance
- Titanium Dioxide Sleeve
- 10,000 Hour Average probe Life
- Advanced Electronics
- Optimal 265 Nanometer Wavelength Output
- 2 Year Warranty
- Reduce or Eliminate Airborne Molds, Germs, Bacteria & Viruses
- Helps Reduce Sickness & allergies
- 110 Volt Input / 18 Watt Output

Strong Oxidation Power



Hydroxyl Radicals are among the most powerful oxidizing radicals, even stronger than chlorine, ozone and peroxide. They act as very powerful disinfecting agents by oxidizing the cells of microorganisms, causing rupture of the cell and leakage of vital composition



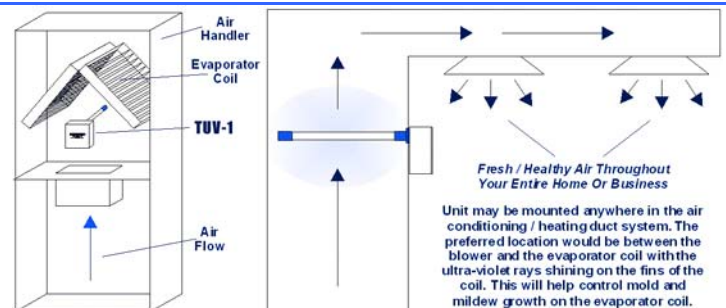
Titanium Dioxide has a high refraction ratio, and when exposed to ultraviolet light of less than 385 nanometers, the band gap energy, or the level of energy photons need to free electrons from their atomic bonds, is exceeded. What is then created are electron hole pairs; Hydroxyl radicals of hydrogen and oxygen which attract other molecules to the titanium catalyst like a magnet.

Once the pollutant is exposed to the combination of ultraviolet light and hydroxyl radicals, a photochemical reaction, referred to as photo-catalytic oxidation, takes place. This oxidation process, combined with the sterilization properties of ultraviolet light, provides a very powerful tool in reducing volatile 5organic compounds (VOC's) and bio-aerosols.

Natural Air Purification Using NASA Designed Space Station Technology

Specifications

Model#	TUV-1
Process:	Germicidal Ultra-Violet Sterilization
Output:	265 Nanometers / 18 Watts
Intensity:	40,000 Microwatts/ Second Per CM ³
Electrical:	110 Volt / .5 Amps
Dimensions:	2"L x 4"W x 4"H
Probe Length:	11"
Probe Life:	10,000 Hours
Weight:	2.25 lbs



AIRQUALITY SERVICES

239.482.1412

www.airqualitynow.com