



Performance Matters

American Standard Catalytic Air Cleaning System
ACACS offers you state of the art IAQ protection

Reduce your risk of H.A.I.

(Hospital Acquired Infections)

Healthcare

• “**Airborne nosocomial infections** have proven to be a persistent and sometimes tragic problem. If transmission by direct contact predominates, as many experts suggest, then surface disinfection technologies should have a major impact in reducing infection rates. But with more than a third of all nosocomial infections possibly involving airborne transmission at some point, the combination of surface and air disinfection should produce optimum results.”³

• “Various sources estimate that between 2 million and 4 million nosocomial infections occur annually, resulting in 20,000 to 80,000 fatalities. The cost of nosocomial infections in the United States is estimated to be about \$4 billion to \$5 billion annually.”³

• “Airborne nosocomial infections are transmitted directly or indirectly through air and may cause respiratory (primarily pneumonia) and surgical-site infections”.¹ The degree to which the transmission of nosocomial infections is airborne is unknown. “One source estimates that **10% of nosocomial infections are airborne**, while another states that **16% of ICU infections result from airborne-pathogen transmission**.”^{1 2}

• “Evidence suggests aerosol transmission through ventilation systems, although the major transmission routes are close proximity airborne droplet infection and close contact infection.”⁴



Installations

Hospitals Labs & Cleanrooms

Arkansas Children's Hospital, Little Rock, Arkansas
St. Luke's Vintage Hospital, Houston, Texas
Forbes Regional Hospital ER, Pittsburgh, Pennsylvania
Analytical Food Labs, Grand Prairie, Texas
Big Spring VA, Big Spring, Texas
Grand Junction VA, Grand Junction, Colorado
Koch Cordis Class 100 Cleanroom, Juarez, Mexico
Integrated Cancer Center, El Paso, Texas
Lubbock County Medical Examiner's Office, Lubbock, Texas
Portsmouth Regional Hospital, Portsmouth, New Hampshire
Mid Michigan Medical Center, Midland, Michigan
NE Alabama Medical Center, Anniston, Alabama
St. Joseph Mercy, Oakland, Michigan
TTUHSC, Lubbock, Texas
TTUHSC, El Paso, Texas
U of LH Pharmacy Clean Room Class 1000, Louisville, KY
Conroe Regional Hospital, Conroe, Texas
Lahey Clinic, Boston, Massachusetts
Citizens Medical Center, Wichita, Kansas
Terrebonne General Medical Center (TGMC) Houma LA
Cypress Fairbanks Medical Center Houston, Texas
Stamford Bennett Cancer Center Stamford, Connecticut
Mid Michigan Hospital, Midland, Michigan
Gothenburg Memorial Hospital, Gothenburg, Nebraska
Round Rock Hospital, Round Rock, Texas
St Joseph Hospital, Tampa, Florida
Scott & White Hospital Temple, Texas
New Albany Medical Center, Columbus, Ohio
Fort Smith Health Care Center, Yellow Knife, NT Canada
Gunderson Lutheran Hospital, LaCross, Wisconsin
Tenet Hilton Head Hospital, Hilton Head, South Carolina
Hancock Health Center, Round Rock, Texas
Ruby Hospital, Morgantown, West Virginia
John Muir Hospital, Oakland, California
Baylor Medical Invetro Clinic, Dallas, Texas



Terrebonne General Hospital
Homa, LA



Cypres Fairbanks
Houston, TX

¹ Eickhoff, T.C. (1994). Airborne nosocomial infection: A contemporary perspective. *Infection Control and Epidemiology*, 15, 663-672.

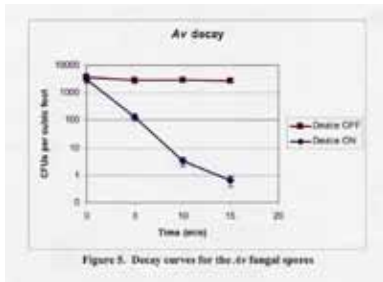
² Durmaz, G., et al. (2005). The relationship between airborne colonization and nosocomial infection in intensive care units. *Journal of Chemotherapy*, 39, 465-471

³ Kowalski, W.J. (2006).

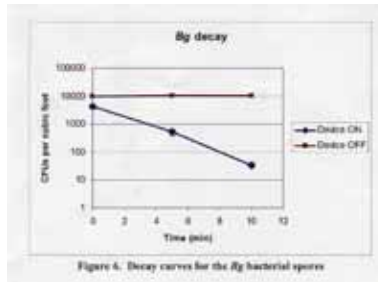
⁴ Ho, P.L., Tang, X.P., & Seto, W.H. (2003). Sars: Hospital infection control and admission strategies. *Respirolog*, 8, S41-S45.

Genesis Air Photocatalysis

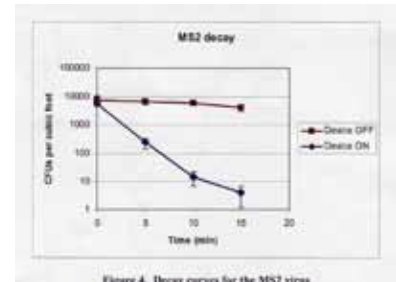
3rd party testing available thru your American Standard Territory Manager



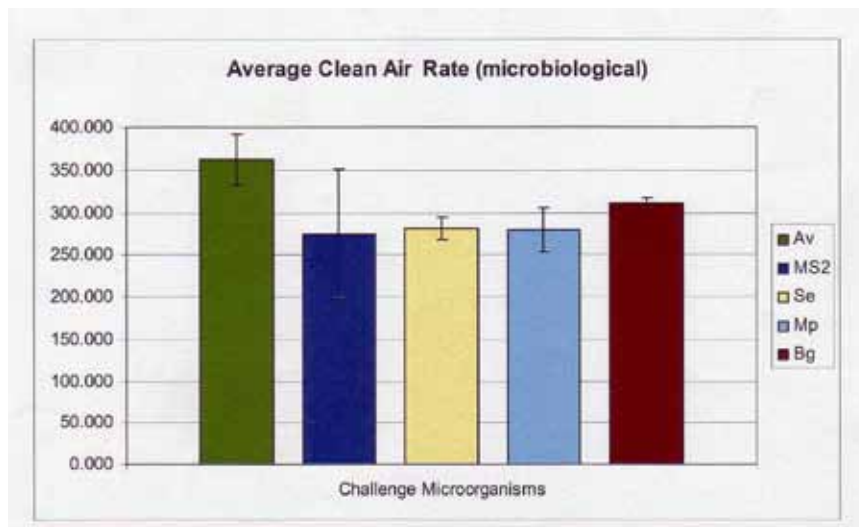
Aspergillus versicolor



Bacillus anthracis

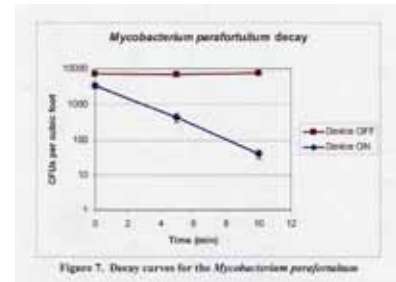


E.Coli

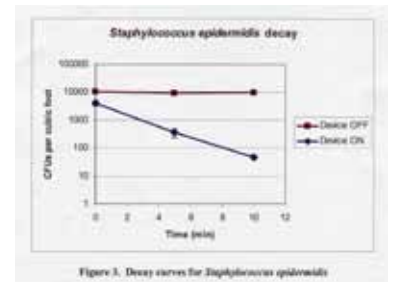


Clean Air Rate Microbiological

Third Party Testing Courtesy of RTI International



Tuberculosis



MRSA



3 Step Process

- Merv 13 Filtration
- UVGI
- Photocatalytic Oxidation

Photo Catalytic Oxidation

- The Oxidation of Carbon
- The Reduction of Volatile Organic Compounds
- Degradation of Cellular Structure in Pollen, Mold, Bacteria and Virus

Features

- Oxidation/Reduction Reaction, not Capture
- Low Static Pressure Drop .05in @ 500fpm
- Energy requirements/ general rule .05 to .1 watts per cfm. (at 500fpm.)
- Ease of installation in new or existing retrofit jobs
- Dual use - effective with both BIO and VOC's
- 15 year catalyst life cycle-12,000hr lamp life

Contact your local American Standard Territory Manager for more information



FIFRA....EPA Est. No 87447--TX--001
FIFRA....EPA Est. No. 8901--NV--001 2006 D & L

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