

Dollars? Do you have an IAQ Investment?

Trane Catalytic Air Cleaning System and Genesis Air PCO panels
Affordable Building Occupant Protection

- Historical use of filters – protection for HVAC system
- Valuable assets in buildings
- IAQ Investment

How many roof top units are you planning to replace in the near future?



Norman OK Police Station

Refrigerant R-22 is being phased out due to its ozone depletion characteristics. As of January 1, 2010, R-22 will only be available to service existing R-22 equipment.

Many classrooms are not adequately ventilated.

Ventilation rates have rarely been measured in schools, although **inadequate ventilation** is often suspected to be an important condition leading to reported health symptoms.¹

What are the dollars for filters that are spent that primarily protect the HVAC equipment?



St Luke's Vintage Hospital
Houston, Texas

What is the cost to fund people protection?

Evidence continues to mount demonstrating that indoor air quality, or IAQ, directly impacts student academic performance and health.^{5,6}



"The Classroom is the most important area of the school because it is where students and teachers spend most of their time and where the learning process takes place."

Benefits of a High Performance School

1. Higher Test Scores²
2. Increased Averaged Daily Attendance²
3. Reduce Operating Costs²
4. Increased Teacher Satisfaction and Retention.²
5. Reduced Liability Exposure²

EPA

Indoor Air Quality



Tools For Schools

"Assume a 500-Student elementary school invests \$4.00 per sq ft on high performance lighting and air-conditioning improvements that will improve the IAQ. Based on a \$4,000 revenue limit, an increase of Average Daily Attendance of 1.75% would **pay back** all of the investments in only two years."²

"When outbreaks occur in the workplace HVAC systems have to be considered" ⁴

Based on research findings and on ASHRAE's position, it seems prudent for infection-control professionals and building designers to consider additional control measures for airborne transmission, **in addition** to the precautions already in use when designing new healthcare facilities and updating existing facilities.⁴



Norman OK Public Library

Installations

Schools

Bellevue, Elementary, Bellevue, Nebraska
Browning Elementary, Houston, Texas
LCISD George Jr. High, Houston, Texas
Alamance Career & Tech Edu Ctr, Greensboro, NC
Grand Blanc ISD, Grand Blanc, Michigan
Montour High School, Pittsburgh, Pennsylvania
Katy ISD, Katy, Texas
Lubbock ISD, Lubbock, Texas
New Deal ISD, New Deal, Texas
Trinity Prep, Dallas, Texas
TTU McNair Scholars, Lubbock, Texas
Whiteface ISD, Whiteface, Texas
Pep Alternative School, Pep, Texas
Williston State College, Williston, North Dakota
Louisiana State College (LSU), Baton Rouge LA

Hospitals Labs & Cleanrooms

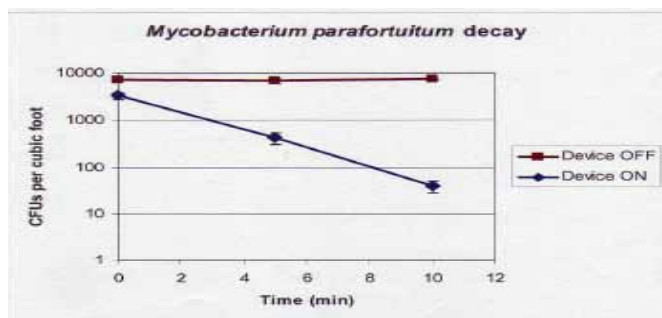
Wright-Patterson AFB, Building 5 M-30, Wright Patterson, Ohio
Arkansas Children's Hospital, Little Rock, Arkansas
St. Luke's Vintage Hospital, Houston, Texas
Forbes Regional Hospital ER, Pittsburgh, Pennsylvania
Analytical Food Labs, Grand Prairie, Texas
Big Spring VA, Big Spring, Texas
Grand Junction 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, Kentucky
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



Third Party Testing available
thru your local
Trane Accounts Manager



George Bush Presidential Library



Mycobacterium parafortutium decay (TB Simulate)
Test Data Courtesy of RTI (2006)

“As designed and tested the Genesis Air system was able to remove or neutralize better than 98% of the airborne material as it processed the test chamber.”

Dugway Proving Grounds Western Desert Test Center (2006). WDTG-TR-06-078,3.8,33.



Bellevue Elementry
Bellevue, Nebraska

For more information contact
your local
Trane Accounts Manager