



Protecting
HVAC System Investment



Restoring
HVAC System Efficiency



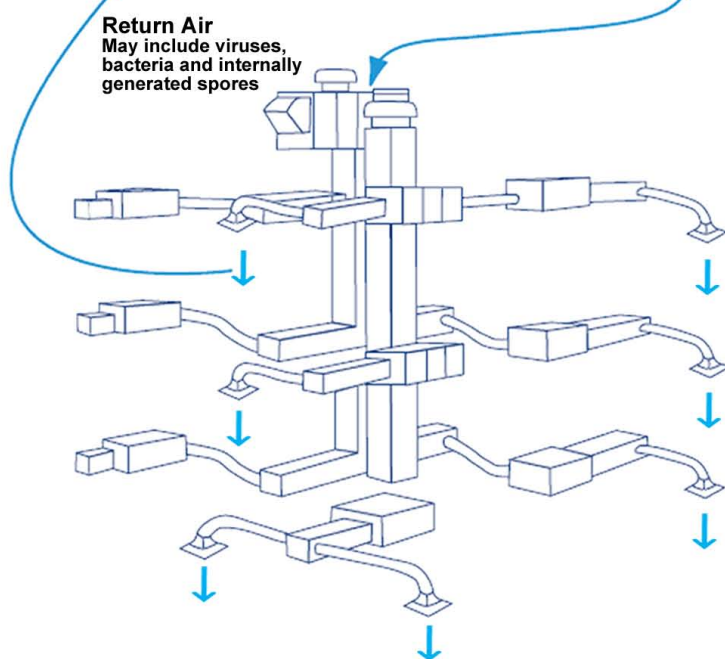
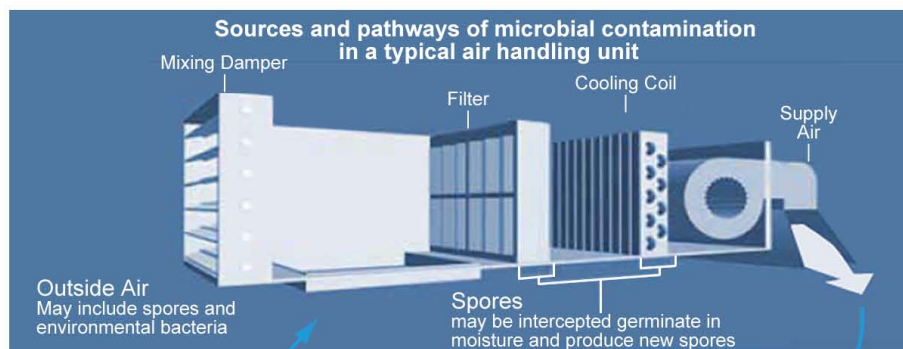
Contributing
to a Healthy Environment

AerisGuard HVAC Performance and Protection Solutions

AerisGuard™ HVAC Performance Solutions

is the first comprehensive program to protect commercial building HVAC assets against mould, bacterial and fungal contamination.

The Problem

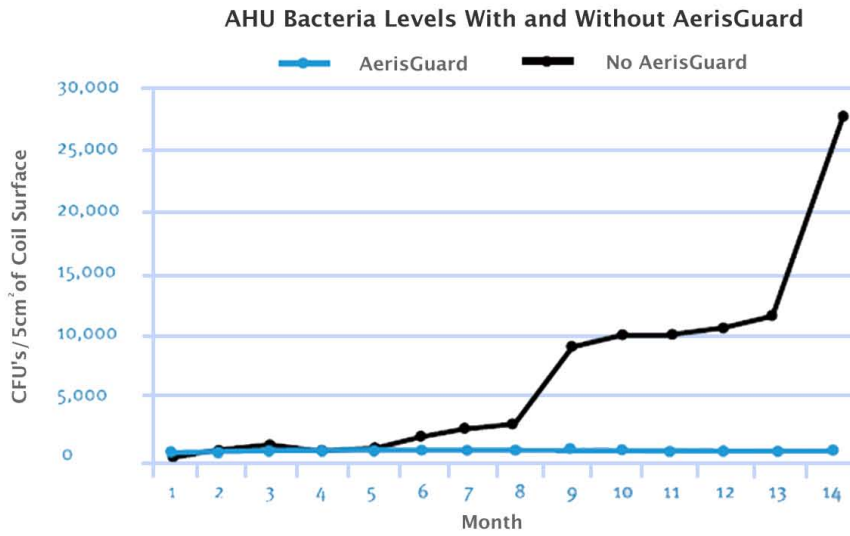


- Air conditioning in commercial buildings may distribute biological contamination as 80-90% of all commercial building air is re-circulated.
- Biological contamination affects building Indoor Air Quality, potentially resulting in occupant health issues.
- Contaminants attached to HVAC heat exchangers, decrease operational efficiency and airflow.
- Increase energy consumption

The Solution

Treat the source! The AerisGuard HVAC Hygiene Solutions removes and cleans all contamination from HVAC components PLUS provides EPA Approved 12 months residual protection from further contamination.

The Proof



AerisGuard HVAC Protection:

- Proven effective in control, prevention and inhibition for growth of mold, fungal and odour causing bacteria on HVAC coils.
- Provides up to 12 months residual protection against mold, fungal and odour causing bacteria.
- Non-corrosive
- Reduces energy consumption
- Improves HVAC efficiency

EPA Approved

AerisGuard Product Range



AerisGuard™ Bioactive Enzyme Coil Cleaner (BAECC)

BAECC is a multi enzyme based cleaner that removes biological contaminants. The product is non-corrosive and completely biodegradable.



AerisGuard™ Bioactive Surface and Duct Cleaner (BASC)

BASC is designed as the final step in source removal (physical surface and duct cleaning) and is used to ensure all contaminants are removed.



AerisGuard™ Bioactive Coil Treatment (BACT)

BACT actively protects all coil surfaces from biological contamination. U.S. EPA Approved for 12 months protection.



AerisGuard™ Bioactive Surface and Duct Treatment (BAST)

BAST is specifically designed for use on all general surfaces within air-conditioning systems. BAST ensures treated surface remains free of harmful contamination for an extended period of time.



AerisGuard™ Bioactive Filter Treatment (BAFT)

BAFT reduces fungal growth, thereby extending filter life, improving Indoor Air Quality and saving energy.



AerisGuard™ Bio-Active Condensate Pan Tablet (BACP)

BACP prevents biofilm blockage of drains through the use of enzyme technology. Biodegradable and environmental friendly.

AerisGuard™ Maintenance Corrosion Protection

is an environmentally friendly coating offering corrosion protection for all heat exchange coils.

The Problem

Environmental Corrosion

Corrosion caused by environmental elements is a major problem for all types of air conditioning heat exchange coils.

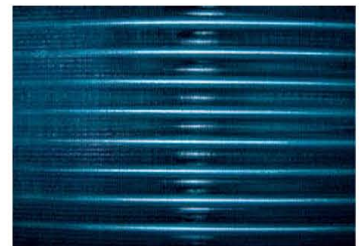
Environmental corrosion attacks in numerous forms (*e.g. Galvanic, Acidic, Salt*) deteriorating the surface of coil components.

As a result, coil corrosion can vary in its effect and may eventually result in:

- Unexpected need for capital expenditure on HVAC equipment
- Operating efficiency loss



Non Treated



Treated



Condensing units Before and After AerisGuard Maintenance

Efficiency Improvement

Damage to coils caused by corrosion affects the operating efficiency of cooling systems.

Removal of environmental contamination and subsequent application of **AerisGuard Maintenance Corrosion Protection** to your heat exchange coils assures you of peak heat exchange performance.

The Solution

Corrosion Prevention

AerisGuard Maintenance Corrosion Protection is a unique coating applied to heat exchange coils that provides comprehensive corrosion protection.

Extensive long term field testing has proven **AerisGuard Maintenance Corrosion Protection** is easy to apply and delivers long term protection against environmental corrosion.

The Proof

AerisGuard Maintenance Corrosion Protection Test Data

- ✓ ASTM G 85-A5 Prohesion 1000 Hrs Modified Salt Spray Test
- ✓ ASTM G 85 2000 Hrs Modified Salt Spray Test
- ✓ ASTM G 87 Moist SO₂ Test
- ✓ ASTM D 522 Flexibility Test
- ✓ 48-Hour Steam Exposure Carrier Corp Test
- ✓ MIL-STD-810F U.S. Military Sand and Dust Test
- ✓ ASTM B117 Salt Spray Test 1000 Hours
- ✓ ASTM B117 Salt Spray Test 3000 Hours

AerisGuard Maintenance Corrosion Protection

Benefits

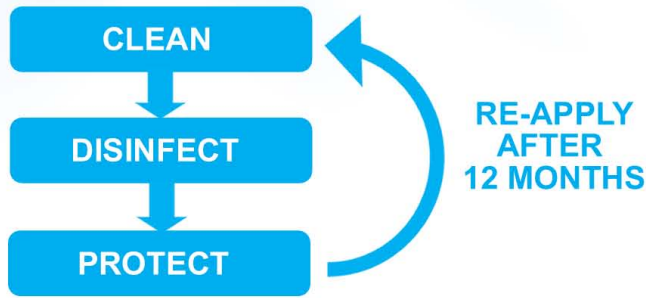
- Water based – easy to apply
- Environmentally friendly
- Extends operating life of plant equipment
- Long term corrosion protection of heat exchange coils:
 - Restores airflow to damaged coil surfaces
 - Eliminates Galvanic Corrosion



Technical Specifications

Colour:	Transparent, light blue finish or colourless
Gross Level:	Full
Film Thickness:	10–12 microns d.f.t. (dry film thickness) per coat
Application Rate:	700mL per 1m ² coil face area (dependant on condition and fin spacing)
Chemical Resistance:	Excellent (with the exception of strong alkalis or oxidising chemicals)
Solvent Resistance:	Dependent upon selection of solvent
Thermal Resistance:	Less than 1% depending on fin details
Pressure Drop:	Less than 1% depending on fin details
Temperature Range:	Up to 120°C
Fin Pattern:	Suitable for standard and also for enhanced fin designs
Fin Type:	Aluminium, Copper
Coil Frame:	All ferrous and non ferrous coil substrates

The Process



- ✓ **Step 1:** BIOACTIVE FILTER TREATMENT (BAFT)
- ✓ **Step 2:** BIOACTIVE COIL CLEANER (BAECC)
- ✓ **Step 3:** BIOACTIVE COIL TREATMENT (BACT)
- ✓ **Step 4:** BIOACTIVE SURFACE AND DUCT CLEANER (BASC)
- ✓ **Step 5:** BIOACTIVE SURFACE AND DUCT TREATMENT (BAST)
- ✓ **Step 6:** BIOACTIVE CONDENSATE PAN TABLET (BACP)

AERISGUARD WARRANTY*



Aeris Technologies warrants to the Aeris Accredited Applicator that the indoor air conditioner coil(s) and internal AHU and duct surfaces, excluding subsurface areas of perforated/porous duct linings, cleaned and treated with the AerisGuard™ products will remain free of continuous microbiological growth indicated in microbial testing to less than 1000 CFU/CM², for a period of 12 months from the application date where the AerisGuard products have been applied.

12 MONTH WARRANTY
LESS THAN 1000 CFU/CM²

* For a copy of the full warranty please request, "AerisGuard Limited Liability Warranty, Product Warranty Extended to Accredited Applicator Network"

WARRANTY

Aeris Technologies Ltd (Aeris Technologies) and (Aeris Accredited Applicator) provide the following limited warranty to original purchasers of AerisGuard Maintenance Corrosion Protection which has been applied to the surface of heat exchange condenser coil(s) of new, and up to 12 months after installation, air-conditioning unit by the Aeris Accredited Applicator and which have been paid for in full.



For a period of three years from the date on which AerisGuard Maintenance Corrosion Protection was first applied to the coil, provided the subject installation is formally contracted to the Aeris Accredited Applicator, subject to the AerisGuard 3 Year Corrosion Protection Plan

36 MONTH WARRANTY
WITH CORROSION PROTECTION PLAN

Applicator



Trane
www.trane.com

For more information, contact your local district office

Literature Order Number ?

Date September 2007

Supersedes New

Trane has a policy of continuous product and data improvement and reserves the right to change design specific actions without notice.