z bioscience™

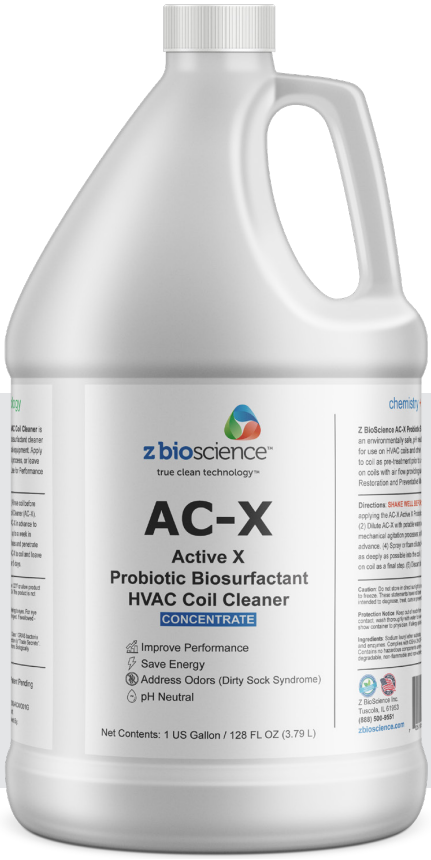
true clean technology™

AC-X Active X Probiotic Biosurfactant HVAC Coil Cleaner

Active X Probiotic Biosurfactant HVAC Coil Cleaner with True Clean Technology™

ZB/ACX/001G

Patent Pending



Uses:

- Suitable for all HVAC coils, (chilled water, DX Refrigerant), and all types of units (large centralized systems, roof top units, split systems, PTAC and ductless)
- Pre-treatment of coils, (days or a week), ahead of mechanical cleaning
- Can be used as both a Performance Restoration Maintenance protocol, as well as a Preventative Maintenance protocol
    - Preventative Maintenance protocol involves applying diluted AC-X to the coil and leaving it there, with the airflow through the coil providing the mechanical agitation.
    - The probiotics keep on cleaning by consuming microscopic surface contaminants

Dilution Rates:

- Dilute concentrate 1:10

Storage & Handling:

- Store away from direct sunlight
- Store between 36°F and 110°F
- Do not allow to freeze

AC-X Active X Probiotic Biosurfactant Coil Cleaner (AC-X) is an environmentally safe, pH neutral, proprietary biosur-factant cleaner for use on HVAC coils and other HVAC mechanical equipment. AC-X comprises of EPA 'Safer Choice' chemistry, combined with safe, beneficial FDA 'GRAS' (Generally Recognized As Safe) schedule listed probiotics. AC-X is used to remove slime and other problem materials from HVAC coils, cooling tower components, and ancillary equipment without the risk of surface damage that conventional high or low pH chemicals are known to cause.

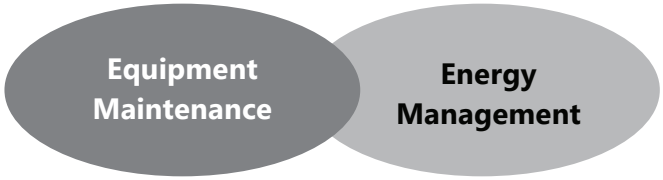
AC-X's benefits include: (i) long term energy savings, (ii) lower maintenance costs, (iii) equipment life extension, (iv) occupant IAQ and comfort.

- pH neutral – suitable for all moisture tolerant surfaces
- Composed of EPA 'Safer Choice' listed ingredients
- A proprietary blend of stabilized FDA 'GRAS' schedule listed probiotics
- Provides Ongoing Residual Surface Cleaning and Protection
- Inhibits Pathogens Re-Colonizing/Re-Populating Surfaces
- Excellent Odor Elimination
- Has all 'zeros' in the OSHA Hazard Diamond

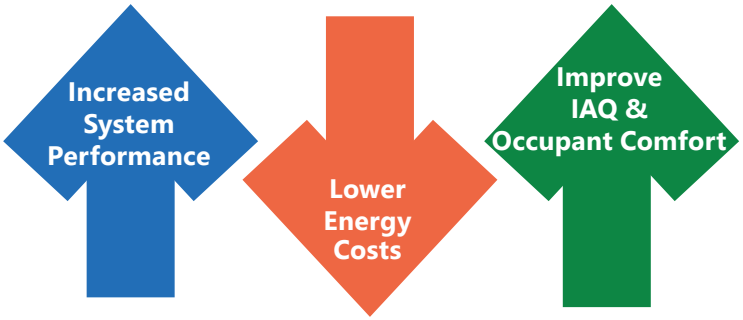
Benefits of Z BioScience Probiotic True Clean Technology™

As Compared to Conventional Chemistry-Only Coil Cleaners

Why choose Z BioScience for your coils:



Resulting in...



Benefits of Z BioScience Probiotic Cleaners :

- Increased System Performance
- Energy Savings
- Extended Equipment Life Cycle
- Improved IAQ for Occupant Wellness
- Applicator Safe and Environmentally Acceptable

Problems with Conventional Chemical Cleaners:

- High Corrosive and Damaging
- Microscopic Pitting Impedes Performance; Increases Energy Consumption
- Dangerous to Applicator
- Environmentally Harmful

For the past decade Z BioScience has provided probiotic based coil cleaners that are more effective, safer, deliver better performance and safe energy. They do not damage your equipment or risk harm to applicators, while also creating a better indoor environment for occupants.

Redefining Sustainability in Cleaning

Environmental + Health Sustainability

Safe Cleaning: EPA "Safer Choice" surfactant ingredients mean no harmful chemicals, pesticides, or hazardous ingredients are used, and so no EPA Registration is required.

Food-Grade Probiotics: FDA "GRAS" (Generally Regarded as Safe) probiotics that require no cautionary statements, and are safe for use when humans and animals are present.

pH Neutral: Safe for all moisture tolerant aspects and components of an Air Handling Unit. Can be applied to HVAC coils and left on the unit without risk of damage.

Safe: Z BioScience Probiotic Biosurfactant products are safe for the environment, suitable for disposal into municipal waste water systems, and safe to be used in the presence of people and animals.

Unique Performance Sustainability

Flexible + Effective: Unmatched heat exchange surface cleaning. Can be safely applied to surfaces and left for anywhere between an hour to days ahead of mechanical cleaning without risk of damage to coil.

Surface Protection: On-going surface protection that can last for weeks as the probiotics keep working on the surfaces, inhibiting microbial growths that reduce operational performance. and thermal transfer efficiency.

Lasting Energy & Performance Gains: The extended residual action of the probiotics keeps coils clean, optimizing air flow through the coil. They also inhibit the reformation of microfilms that negatively impact the thermal transfer efficiency of the heat exchange performance.

Active Cleaning: The probiotics keep on working, continuing to clean coils for days to weeks at a time. They also have the capability to move across surfaces, cleaning as the do, in their ongoing search for microscopic food sources. As such they can clean all aspects of the Air Handling Unit, including the drain pans and P-Traps.

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For all inquiries and purchase requests:
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To learn about ALL the benefits of Z BioScience's line of products, visit: **zbioscience.com**