AIRCONCARE SOLUTION

AC COIL CLEANER

The Most Family Safe and Environmentally Friendly Super-Detergent for Air Conditioner Coil Cleaning

LAB TESTED:

The AIRCONcare solution has 2 laboratory test certificates. One for 99.99% effectiveness against legionella pneumophila bacteria and the other is for non-acute toxicity. Our solution is safe for human use and does not leave Volatile Organic Compounds (VOCs) behind. Some coil cleaning products do leave VOCs behind contaminating the indoor air quality after cleaning. See point 4



CERTIFIED BY INDOOR ENVIRONMENTAL QUALITY STANDARDS AUSTRALIA:

The AIRCONcare™ Cleaning Solution has been certified to the IEQSA Standard 202 for heating ventilation and air conditioner (HVAC) maintenance which provides a robust benchmark for human safety in cleaning methodologies for air handling units (AHUs) of all general use applications.





IEQSA Standard 202 for heating ventilation and air conditioner (HVAC) maintenance caters for a robust human safety benchmarking standard in cleaning methodologies for air handling units (AHUs) of all general use applications.

Systems incorporated under this certification include:

- · Split System or
- · Mini-Split
- PTAC Ducted or Central
- Window Unit
- Fixed
- Cassette
- · Portable or Floor Unit



Processes and products which consists the nominated HVAC maintenance method are assessed in accordance with the primary consideration of human safety for both users of the process and those who inhabit the areas which are supplied with air from the treated AHU.

All products used within the given HVAC maintenance process are subjected to the IEQSA proprietary screening methodology, in order to identify known or potential hazards among the ingredients of all products employed. Further consideration is given to the product's interaction within the indoor environment along with the other products used in the HVAC maintenance process. Visit http://www.ieqsa.org/eq-certified-202-hvac.html for further information.

FREQUENTLY CLEANING WITHOUT DAMAGE:

If an air conditioner is turned on every day with a human living space of 12 m2 / person or less, the system should be washed once every quarter. Otherwise the amount of dirt and bio-film that gets onto these systems will severely limit the airflow and air quality. Our Hydrophilic Cleaning solution is designed for frequent cleaning without damage to ac cooling coils and fan rotor blades.

HYDROPHILIC EPOXY COATING SAFE::

Newer air conditioner models have a hydrophilic coating on them. This epoxy coating usually gives a blue tint to the fins and cooling coils. The conventional chemicals for coil cleaning will damage this coating. Unlike conventional coil cleaners, our solution has been designed to be compatible to these epoxy coatings.

Note: Hydrophilic coatings create low surface energy which repels anything that wants to stick to it. Hence, they reduce the rate of organic build up and allow the condensate to flow smoothly over their surfaces. This means the condensate will drain effectively and not contribute to blocking the airflow and reducing the air conditioner efficiency.

NO RESIDUE LEFT ON COILS:

Our solution is designed not to leave any residue or coating behind after you rinse it. It is actually not a good idea to coat the coils with any coating after cleaning. Reason being, you can potentially modify the surface energy of the cooling coils thus speeding up the rate at which organics (skin flakes) and dust particles to cling to the surfaces which in turn act as food source for bacteria and mould. This is the reason why engineers have put in a hydrophilic coating on the coils in the newer systems.

NON CORROSIVE HYDROPHILIC CLEANER:

The way our solution works is it turns any surface it touches hydrophilic thus repelling any adhesive that is on it almost instantly. This then allows the organics (skin flakes), biofilm, and dirt to be washed away by the rinsing and flushing with water. Currently conventional cleaning solution attacks and erodes the oxide layer of the aluminum to remove the biofilm. That is why you see a shiny coating after wash. The downside of this method is this strip-mines the aluminum material off the cooling fins. There is a limit to how frequent one can use this method on an air conditioner. Plus, if you happen to leave some cleaning solution in the system, it will continue to corrode any metal it stays on.

EASY DISPOSAL INTO DRAINPIPES AND SEWAGE:

The AIRCONcare Solution is safe to dispose into standard drains and sewage system in normal standard use quantities (See AIRCONcare MSDS – Au). When used in conjunction with the AIRCONcare Wash Bag, the AIRCONcare solution together with the waste water collected in the wash bag can be poured into any standard sewage or drainpipe and flushed down with water. As it is not corrosive, it is perfectly safe for septic tanks.

