

COIL CLEANING MADE EASY



Advanced Engineering Coil Cleaners

Professional cleaning products for air conditioning systems

Improve Indoor Air Quality

Cut system running costs

Minimise equipment breakdowns



MAINTENANCE & COIL CLEANING

It's Simple - Cleanliness means efficiency

Why using Advanced coil cleaners keeps air conditioning **cool & fresh**

Dirty Coils... A quick recap

All air conditioning & refrigeration systems, from the largest chilled storage to the smallest domestic fridge, follow the same basic design. An indoor heat exchanger, the evaporator, removes heat energy from the air and will release this energy outside via another heat exchanger, the condenser.

The effectiveness of the whole system relies on the efficiency of these two aluminium finned coils – their ability to 'exchange' heat energy.

To help, the coils are engineered to have the maximum possible surface area for their size – the greater the surface, the more effective the heat exchange.

But this effectiveness is reduced every time the system operates

To boost the cooling potential, fans are used on both coils, pushing thousands of litres of air through the fins every day. The problem is, this air naturally carries dust and dirt – and this is deposited as a coating on the coil fins, reducing the heat exchange surface and making the whole system less efficient..

As a result, the system is forced to work harder – using longer and more frequent refrigeration cycles as it attempts to achieve the desired temperature.

Not surprisingly, this results in a dramatic increase in energy consumption.

In fact independent testing showed that dirty coils on a typical chiller system can increase energy bills by as much as 36%.

Dirty coils increase energy bills by up to 36%

Meanwhile, longer operating cycles means more component wear – and a marked rise in sudden breakdowns.

Specialist coil cleaners

To avoid these problems, clean your air conditioning – with the right, specialist products – as part of your routine maintenance regime.

Advanced Engineering manufactures a complete range of really useful coil cleaning and other maintenance products. Read on to find out how they can help you solve your air conditioning nightmares...



Above: A maintenance engineer inspects an evaporator unit

IMPROVE INDOOR AIR QUALITY
CUT SYSTEM RUNNING COSTS
MINIMISE EQUIPMENT BREAKDOWNS



What makes our coil cleaners **Advanced?**

There are **three key differences** that set our cleaners apart:

1. TECHNICAL SUPERIORITY

Advanced cleaners operate on a rolling improvements programme. We are constantly looking for new ways to make our products safer, greener and more powerful.

This has resulted in a range of cleaners that, while sometimes imitated, is always a step ahead. It's no coincidence we're called Advanced.

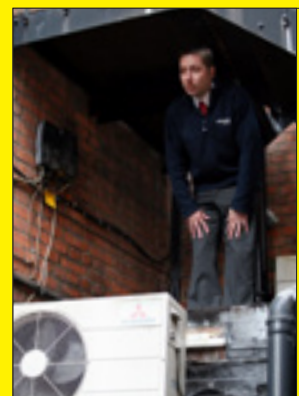
2. A SOLUTION FOR ALL PROBLEMS

After twenty-five years in the industry, we have developed by far the most comprehensive range of AC and refrigeration chemicals on the market.

From simple coil cleaning to descaling and sophisticated antimicrobial coatings, Advanced has the solution for every maintenance challenge.

3. WE KNOW WHAT WE'RE TALKING ABOUT

Through our long commitment to customer service, problem solving and constant innovation, our technical team has amassed a wealth of scientific and practical knowledge. This makes us the first point of call for contractors and operators seeking advice - and a trusted source of information for the entire industry.



FOR INDOOR USE

CONCENTRATE OPTION

FOR ECONOMY & FLEXIBILITY



COMPLIES TO BS/EN 1650 & BS/EN 1040

CondensCide®

Evaporator **coil cleaner & disinfectant**

Improves energy efficiency and indoor air quality

Heavy duty cleaning power cleans even the worst evaporators

With QX-60® - Kills 99.9% of bacteria and fungi in 60 seconds or less

Bacteria, fungi and other microbes growing on air conditioning coils are a source of bad odours, allergic reactions and can also spread diseases.

CondensCide® is a heavy duty coil cleaner that will not only shift the worst evaporator dirt and grime, but contains a powerful disinfectant to kill virtually all bacteria in under sixty seconds.

5 litre



PUMP SAFE

MAKES 25L

READY TO USE OPTION

FOR CONVENIENCE & SAFETY

RTU®

Evaporator **cleaner & disinfectant**



Removes dirt, slime and mould buildup from evaporators

Improves indoor air quality

Convenient spray bottle

1l



PUMP SAFE

RTU

RTU® Evaporator cleaner and disinfectant has a highly effective cleaning action which improves the efficiency of your system, while its disinfectant ensures total hygiene.

COMPLIES TO BS/EN 1650 & BS/EN 1040

EASY TO USE OPTION

FOR SPEED & SIMPLICITY

EasyCare®

Evaporator **cleaner & disinfectant**



Kills bacteria, fungi and viruses

Improves indoor air quality

Convenient, high powered aerosol

600ml

EasyCare's highly effective cleaning action improves the efficiency of your air conditioning system, while its disinfectant ensures total hygiene and the reassurance that the unit is safe and clean.

COIL TREATMENT

TO KEEP COILS BACTERIA FREE



Guardian®

Antimicrobial coil defense

Stops bacteria, mould & fungi growing back between cleans

Continuous protection for up to 6 months

Stops odours and diseases: maintains indoor air quality

Cleaning and disinfecting your air conditioning coils not only ensures the system runs at optimum efficiency, but also eradicates potentially dangerous microbes.

Guardian® has been formulated to inhibit the growth of bacteria, fungus and mould between cleans. Its unique formula prevents the microbes which can cause sickness, smells and mould regrowing on a disinfected evaporator coil for up to six months.

500ml

6 MONTHS
PROTECTION

RTU

CONDENSATE TRAY TREATMENT

KEEP SLUDGE & SLIME OUT OF CONDENSATE LINES

StayClean™ Strips

Condensate tray **bacterial control**



Prevents micro-organism growth

Controls odours

Minimises risk of blockages

6 MONTHS
PROTECTION

PUMP
SAFE

StayClean™ Strips are an effective antibacterial treatment, providing up to six months protection from bacteria, fungi, algae and other micro-organisms that can cause smells and blockages in air conditioning condensate trays.

The strips have a unique built-in inhibitor to protect equipment from rust and corrosion.

StayClean™ Mini Tablets

Condensate tray **bacterial control**



Controls odours

Reduces sludge build-up

Minimises risk of blockages

8 WEEKS
PROTECTION

PUMP
SAFE

StayClean™ Tablets are an inexpensive, easy-to-use condensate tray treatment.

The tablets will control odours and prevent sludge build-ups and blockages in the condensate tray and drain. They are safe to use, non-corrosive and, being totally soluble, leave no residues to create further problems.

FOR CLEANING:-
SPLIT & VRV CONDENSERS
CHILLER SYSTEMS
PACK UNITS
HEAT PUMPS

FOR USE OUTDOORS

CONCENTRATE OPTION

FOR ECONOMY & FLEXIBILITY



SuperClean™

Heavy duty **condenser cleaner**

Powerful foaming action

Brightens the coil and inhibits future oxidation

Just as powerful as acid based cleaner, but safer to use

SuperClean™ is quite simply the strongest coil cleaner on the market. Unique in its formulation, it brings all of the benefits of a heavy-duty acid based cleaner - but is considerably safer to use.

Highly concentrated and effective, it will safely remove the wide range of contaminants commonly found in condensers - without damaging the coil. The coil is left visibly bright and clean - in fact, super clean.

5 litre MAKES
20L

READY TO USE OPTION

FOR CONVENIENCE & SAFETY

RTU®

Condenser cleaner



Convenient ready-to-use cleaner

Improves system efficiency

No rinsing required

1 litre RTU

RTU® Condenser cleaner is ideal for application as part of a regular maintenance programme.

It is highly effective at removing common types of dirt and debris. RTU® Condenser Cleaner also has a biodegradable formula that is very safe to use.

EASY TO USE OPTION

FOR SPEED & SIMPLICITY

EasyFoam®

Foaming condenser cleaner



Ideal for removing stubborn dirt

Perfect for deep, multi-row condensers

Easy to use aerosol

500ml

EasyFoam® is a heavy duty, ready-to-use cleaner for use on air conditioning condenser coils.

Its foaming formulation and powerful aerosol jet make it ideal for removing stubborn dirt from deep within problem coils.

UNIVERSAL PRODUCTS

CONCENTRATE OPTION

FOR ECONOMY & FLEXIBILITY



EnviroCoil®

Universal **coil cleaner**

Safe to use – indoors or outdoors

Biodegradable, environmentally friendly

Improves energy efficiency

EnviroCoil® is an effective detergent-based cleaner for air conditioning coils. Its mild formulation makes it perfect for use in almost any maintenance scenario, either indoors or outdoors.

EnviroCoil® is an environmentally friendly coil cleaner - it contains no acids, no phosphates, no solvents, no Sodium Hydroxide and no Potassium Hydroxide. What's more, its surfactants are completely biodegradable.

5 litre

**PUMP
SAFE**

**MAKES
25-45L**

FRAGRANCING

LEAVE A LASTING IMPRESSION

SmellyJelly® Fragrancing gel



Convenient mini size for small fan coil units

#1 size for large fan coils, cassette units and bigger

SmellyJelly® has been formulated to provide a pleasant fragrance in fan coil and cassette units.

Easy to apply, SmellyJelly® is simply placed within the unit, ideally as close to the discharge point as possible. Once in position with the unit switched on the fragrance will immediately become noticeable.

CASE CLEANING

FOR THAT FINAL TOUCH

EasyFinish™ Fascia and case cleaner



Suitable for most air conditioning units

Removes finger marks etc from plastic & metal casework

Removes stubborn nicotine, grease & general grime

600ml

No matter how clean the coil in the evaporator is, a marked, discoloured or grubby-looking case can give the perception of a dirty unit.

EasyFinish™ is a diffuser and case cleaner specially formulated to remove nicotine, grease and general grime, allowing engineers to leave everything clean and tidy.

ESSENTIAL EXTRAS

CLEANING ACCESSORIES

MAXIMISE YOUR COIL CLEANING TIME

HydroSprayer®

Low-pressure coil cleaner sprayer



- Heavy duty 8 litre sprayer
- Suitable for use with all Advanced coil cleaner concentrates
- Full range of spares available

Designed for use with Advanced coil cleaner concentrates, both indoors and outdoors. Featuring an adjustable nozzle, the Advanced Engineering HydroSprayer® is easy to clean and fill.

This specialist sprayer provides enough pressure to clean but not to damage.

HookTite® & TieTite®

Air conditioning cleaning cover



- Protects walls, carpets and surrounding equipment
- Easy & simple to fit
- Incorporated drain line for waste product

HookTite® & TieTite® cleaning covers are designed to be used as an aid to cleaning ceiling & wall mounted evaporators.

They will help reduce splashing of the cleaning product onto furnishings and wall coverings.

advanced engineering



Advanced Engineering is the recognised market leader in the manufacture and supply of maintenance products to the cooling industry. Its unrivalled knowledge of the sector and its technology – as well as a deep understanding of maintenance engineers' needs – has been gained since we were formed in 1982.

The result is a range of products that meet each of those needs perfectly. What's more, these products are backed up by expert technical advice from Advanced – helping users to identify the ideal product for every application and to use it to greatest effect.

For technical and safety information, log on to:

www.advancedengineering.co.uk



Advanced Engineering Limited,
Guardian House, Stroudley Road,
Basingstoke, Hampshire,
RG24 8NL, UK
+44 (0)1256 460300
sales@advancedengineering.co.uk
www.advancedengineering.co.uk