

# Coil Cleaning & Flushing Products

The complete range of cleaning products for air conditioning and refrigeration systems.



coil cleaners

leak detection & monitoring

recovery machines

vacuum pumps

weighing platforms

acid treatment

fragrances & odour control

flame retardants

tools & accessories

## KEY BENEFITS

**One-stop solution for all your coil cleaning needs**

cleaning  
degreasing  
oxidation removal  
sanitising (Bactericide, fungicide, virucide)  
deodorising  
corrosion prevention

**Approved to British and European Standards\***

BS/EN 1040 bactericide  
BS/EN 1276 bactericide  
BS/EN 1275 fungicide  
BS/EN 1650 fungicide

**Convenient: concentrate, aerosol or ready to use options with easy to follow instructions**

**Environmentally friendly products**

**Technical advice available on all applications.**

*\* where applicable*

**advanced**  
engineering

# Coil cleaning – your key to an easier life

If you're a busy AC&R maintenance engineer or contractor, we're here to make your life easier. Include coil cleaning in your routine maintenance programme and you will enjoy all of these benefits:

- Fewer callouts from your client
- less of your time wasted on problem solving
- a much smaller likelihood of component failure
- a happy customer with lower energy bills!

To see why, let's have a look at some of the typical problems that your clients report.



## What's that smell?

The inside of an evaporator can be warm and moist, especially when in defrost or heating modes. Bacteria and other micro-organisms which create bad smells, cause allergic reactions and spread diseases, will thrive in these conditions.

Some evaporator units are notorious for their smells – but all evaporators will harbour unpleasant germs and generate nasty odours if they are not cleaned and disinfected regularly with a good quality product.

## Our system isn't cooling properly

Any dirt coating a coil's surfaces will act as an insulating blanket, which seriously affects its ability to function effectively. To achieve the same cooling effect, the system has to work harder and run more frequently, reducing the efficiency of the system. This uses more energy – which means higher energy bills – and puts extra pressure on the system's components.



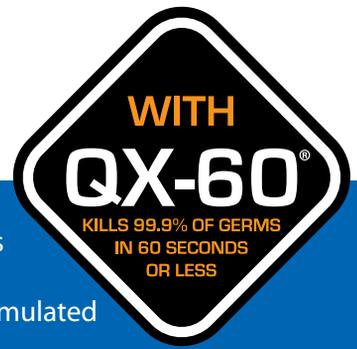
## Where's the water coming from?

Water dripping from the evaporator tray and running down walls can be another symptom of dirt build-up on the coil. An insulating layer of dirt on the evaporator will compromise the refrigerant's ability to effectively remove heat from the room. As a result, ice forms during the cooling cycle and melts when the unit cuts out – releasing an excess of water. Damage caused to the fabric, furnishings and decoration of the client's premises can be surprisingly costly to repair – and all of this can be avoided simply by regular coil cleaning.

In addition to these very good reasons for routine coil cleaning, we would also like to draw your attention to Part L of the Building Regulations, which relates to Building Log Books. It states that a system must run as close to the manufacturer's specifications as possible for maximum efficiency – and to do this the system must be clean and properly charged with gas. We need hardly tell you how complicated life can become if the conditions set out in this paperwork are ignored!



# More killing Power



Advanced Engineering never ceases to look for ways of making its range even more effective. Additional products are regularly introduced to deal with specific situations encountered in the field... and existing products are reformulated to stay well ahead of the competition.

A new kind of disinfectant – QX-60® – has been added to a number of Advanced evaporator cleaners. Already meeting British and European standards for bactericides and fungicides, the QX-60® disinfectant formula has boosted the ‘killing power’ of these cleaners to an unprecedented level – for supreme confidence.

**With QX-60®, you can be sure of destroying 99.9% of all bacteria and fungi in less than a minute.**

The fast-kill action of QX-60® is effective on all of these micro-organisms and many more...

**Legionella**  
**P. aeruginosa**  
**E.coli**  
**E. hirae**

**S.aureous**  
**A.niger**  
**C.albicans**  
**M.R.S.A**



## Choose the right products Why choose Advanced?

Advanced Engineering is the recognised market leader in the manufacture and supply of coil cleaning and associated products. Its unrivalled knowledge of the technology – and its deep understanding of maintenance engineers’ needs – has been gained since the company was 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.

To ensure continued quality and product development, Advanced Engineering has invested in a bespoke multi million pound European manufacturing plant which includes extensive R & D and training facilities.

To make life simpler, Advanced Engineering has also introduced a new colour coding system for grouping products, allowing quick and simple identification of the right product for the right job.

### GENERAL PURPOSE

Ideal for general purpose, regular maintenance cleaning.

### HEAVY DUTY

Heavy Duty cleaners, ideal for use on heavily soiled systems.

### SPECIALIST PRODUCTS

Specialist products for unique applications.

# Products for Evaporators

## Clean and disinfect the Evaporator Coil

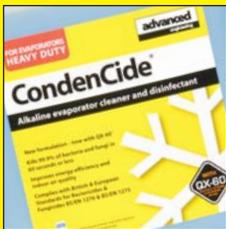
**Legionella**  
**P. aeruginosa**  
**E.coli**  
**E. hirae**  
**S. aureus**  
**A.niger**  
**C.albicans**

Kill any microbes that have survived the cleaning process. All Advanced cleaner and disinfectant combination products are certified to meet or exceed British and European standards.

## Long term coil treatment

The cleaners and disinfectants will remove organic and inorganic debris and kill any microbes. They will not, however, prevent any future dirt accumulation.

concentrate



### Condencide®

Bacteria, fungi and other microbes growing on evaporator coils cause bad odours and are a source of allergic reactions and diseases. Condencide® will thoroughly clean and disinfect coils and condensate trays in air conditioning and refrigeration systems – including evaporators within food preparation areas.

(BS/EN 1650, BS/EN 1276)

**Dilution (Water:Product)** 4:1



### StayClean™

Bacterial Control Treatment. Once clean and disinfected an evaporator coil can be treated with StayClean™. This prevents the build-up of microbiological growth and removes offensive smells. StayClean™ is available in a complete treatment pack consisting of Condencide®, StayClean™ and StayClean™ Strips and provides continuous ongoing protection.

(BS/EN 1650, BS/EN 1276)

#### Dilution (Water:Product)

|             |     |
|-------------|-----|
| Condencide® | 4:1 |
| StayClean™  | N/A |

#### StayClean™ Strips (Strip Size: System Size)

|        |                   |
|--------|-------------------|
| Size 1 | 3 - 5 KW system   |
| Size 3 | 10 - 17 KW system |



ready to use



### RTU® Evaporator Cleaner & Disinfectant

RTU® Evaporator Cleaner and Disinfectant has been designed to address concerns over indoor air quality. Its highly effective cleaning action improves the efficiency of your system, while its disinfectant ensures total hygiene.

(BS/EN 1650, BS/EN 1276)

**Dilution (Water:Product)** N/A



## Keep the tray clean

A dark, damp condensate tray can be a breeding ground for microbes. This will lead to poor air quality and those offensive smells that can emanate from a dirty evaporator.

aerosol



### EasyCare™ Aerosol

EasyCare™ is an evaporator cleaner and disinfectant designed to address concerns over indoor air quality. Its highly effective cleaning action improves the efficiency of your system, while its disinfectant ensures total hygiene and the reassurance that the unit is safe and clean.

(BS/EN 1040)

**Dilution (Water:Product)** N/A

strips



### StayClean™ Strips

StayClean™ Strips are a condensate tray treatment providing up to six months' protection from bacteria, fungi, algae and other micro-organisms. The strips have a unique built-in inhibitor to protect equipment from rust and corrosion.

#### StayClean™ strips are available in five sizes:-

- 1 - Suitable for up to 3-5KW system
- 2 - Suitable for up to 6-9KW system
- 3 - Suitable for up to 10-17KW system
- 4 - Suitable for up to 18-35KW system
- 5 - Suitable for up to 36-70KW system

# Products for Evaporators



tablets



## StayClean™ Tablets

StayClean™ Tablets are an inexpensive, easy-to-use, long-lasting 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. One tablet will treat a 2-3kW system and will last for a month. Multiple tablets can be used in larger systems for maximum flexibility.

## Fragrances

fragrance gel



## SmellyJelly®

The importance of coil cleaning cannot be underestimated, and as a perfect finishing touch - Advanced has developed SmellyJelly®. It releases a pleasant fragrance that gives a 'just-cleaned' freshness to the evaporator and its environment.

fragrance gel



## SmellyJelly® Minis

SmellyJelly® Minis have been specially designed for smaller fan coil units 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.

tablets



## QwikTreat™

QwikTreat™ is an inexpensive, easy to use, long lasting condensate pan treatment. QwikTreat™ is a patent-pending time released tablet that will treat and prevent scum, scale and deposits that can cause odours and clog drains.

## Unblock the condensate drain

concentrate



## DrainKleen®

Condensate run-off from the coil will drain away slowly. If the coil is very dirty, some of this dirt will be carried into the condensate tray. Sludge and slime building up in the standing water in the tray will eventually run into the drain – causing blockages. Overflow from the tray may damage decoration and furnishings. DrainKleen® is designed for systems where a condensate pump is not fitted.

Dilution (Water:Product) N/A

concentrate



## DrainKleen® One Shot

The DrainKleen One Shot bottle contains enough DrainKleen to effectively clear organic blockages from a single condensate drain. No measuring, no manoeuvring heavy bottles.

Dilution (Water:Product) N/A

## Leave a Clean Job

aerosol



## EasyFinish™ Aerosol

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.

Dilution (Water:Product) N/A

cleaning cover

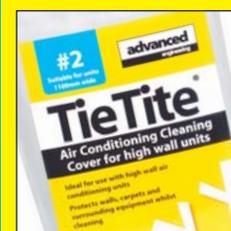


## HookTite®

HookTite® Cleaning Covers are designed to be used as an aid to cleaning ceiling mounted evaporators. They will help reduce splashing of the cleaning product onto furnishings and wall coverings and provide some level of protection to the user.

- #1 Suitable for units 600mm x 600mm
- #2 Suitable for units 600mm x 1000mm
- #3 Suitable for units 1000mm x 1000mm

cleaning cover



## TieTite®

TieTite® Cleaning Covers are designed to be used as an aid to cleaning wall mounted evaporators. They will help reduce splashing of the cleaning product onto furnishings and wall coverings and provide some level of protection to the user.

- #1 Suitable for units up to 930mm wide
- #2 Suitable for units 1100mm wide

# Universal Coil Cleaning Products

## Condenser Cleaners



### Universal Coil Cleaner Products



Convenient products that are aimed at regular maintenance. EnviroCoil and EasyClean can be used on both condensers and evaporators.

### Condenser Cleaners



The cleaners listed below have been formulated to clean very dirty air cooled condensing coils.

**concentrate**

**EnviroCoil®**

Safer for you... safer for the environment. EnviroCoil® contains no acids, no phosphates, no solvents, no Sodium Hydroxide and no Potassium Hydroxide. What's more, its surfactants are completely biodegradable. Odourless, non-flammable, safe and effective, it is ideal for routine maintenance programmes. Will safely clean evaporator and condenser coils.

**Dilution (Water:Product)** 8:1 (4:1 air cooled condensers)

**ready to use**

**RTU® Condenser Cleaner**

RTU® Condenser Cleaner is ideal for application as part of a regular maintenance programme. Highly effective at removing all common types of dirt and debris, it also has a biodegradable formula that is very safe to use. Unlike some acidic condenser cleaners, RTU® Condenser Cleaner can also be used on condenser units located indoors – making it a very flexible product.

**Dilution (Water:Product)** N/A

**aerosol**

**EasyClean® Aerosol**

EasyClean® is a universal cleaner suitable for use on both evaporators and condensers. Its formulation is safe to use and provides effective cleaning as part of regular maintenance.

**Dilution (Water:Product)** N/A

**concentrate**

**SuperClean™**

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 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.

**Dilution (Water:Product)** 3-20:1

**low pressure sprayer**

**HydroSprayer®**

Designed for use with the Advanced coil cleaner concentrates both indoors and outdoors. Easy to clean and fill. Enough pressure to clean but not to damage. Full range of spares available.

**8 litre capacity**

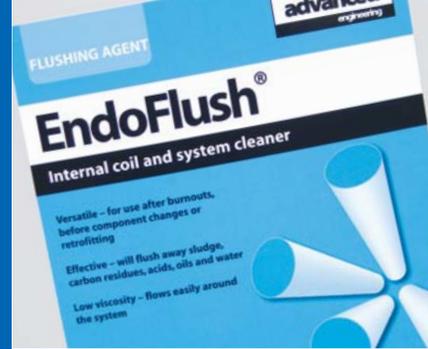
**aerosol**

**EasyFoam™ Aerosol**

EasyFoam™ is a heavy duty, ready-to-use condenser cleaner. Its unique formulation is ideal for removing stubborn dirt from problem units. This allows more effective heat transfer and therefore improves system efficiency. Unlike some acidic condenser cleaners, EasyFoam™ can also be used on condenser units located indoors – making it a very flexible product.

**Dilution (Water:Product)** N/A

# Products for Specialist Applications



## Solvent Cleaners

aerosol



### GreaseGobbler™ Aerosol

Grease building up on condensing unit coils in kitchens will impede air flow and reduce heat transfer. This condition can put a severe strain on the equipment and increase running costs. GreaseGobbler™ is a no-rinse-required condensing unit coil cleaner in a high-powered aerosol package. The double action of a high-pressure blast and solvent cleaning power quickly and easily restores system efficiency. It is non-flammable and non-conductive.

**Dilution (Water:Product)** N/A

## Corrosion Prevention - Outdoor Coils

aerosol



### EasyCoat™ Aerosol

EasyCoat™ is an acrylic coating designed to guard coils against corrosive environmental factors such as acid rain, saline atmospheres and airborne ammonia. Its rapid-drying, waterproof, oil-resistant formulation ensures long-term protection.

**Dilution (Water:Product)** N/A

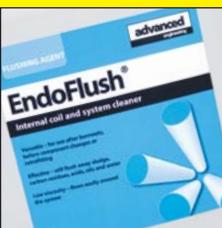


### ProTect™

ProTect™ is an acrylic coating designed to guard coils against corrosive environmental factors such as acid rain, saline atmospheres and airborne ammonia. Its rapid-drying, waterproof, oil-resistant formulation ensures long-term protection.

**Dilution (Water:Product)** N/A

## Internal Coil Flushing



### EndoFlush®

EndoFlush® is an internal system cleaner ideal for use after a burnout or retrofit. It is CFC-free and is not a regulated substance. Its low viscosity allows it to be circulated freely around a system, using a flushing pump, and then removed with nitrogen. On contact, EndoFlush® will break down all carbon, tar, oil and sludge deposits. These contaminants are flushed out of the system, leaving internal surfaces clean and ready for re-commissioning.

**Dilution (Water:Product)** N/A

## Descaling Products

concentrate



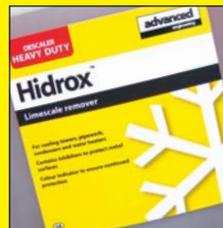
### HB-30®

HB-30® will effectively remove limescale and slime – which are common problems in ice machines – and will disinfect all surfaces. Limescale results when minerals slowly concentrate in the water and precipitate out onto the freezing surfaces. Ice sticks to the scale and this jams the machine. Fungi and slime then build up, allowing bacteria to grow and contaminate the ice product. Slime can also give the ice a bad taste or odour, while pathogens in the contaminated ice may pass on diseases.

(BS/EN 1040)

**Dilution (Water:Product)** 50:3

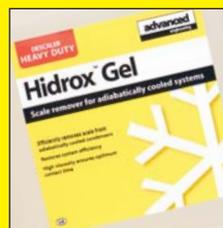
concentrate



### HidroX™

HidroX™ is a descaling treatment for use on water-cooled condensers and cooling towers. By removing all scale and slime, its advanced formulation effectively clears the entire open water side of a system – and so increases the system's efficiency.

**Dilution (Water:Product)** 100:3



### HidroX™ Gel

Adiabatic (water) cooling is an efficient way of lowering the temperature of the air prior to entering the condenser, lowering the condensing pressure in order to save energy during high ambient temperature periods. Unfortunately, one of the big drawbacks of adiabatic cooling is that it can lead to a scaling of the condensing coil. Not only does this provide an insulating blanket, but it also restricts air flow, reducing the condensers' ability to dissipate heat. Hidrox Gel has been designed to specifically address this issue, efficiently removing scale from adiabatically cooled condensers, restoring systems to optimum performance.

**Dilution (Water:Product)** N/A

# selection chart

| PRODUCT                                                                                                               | Evaporator Cleaner | Evaporator Cleaner & Disinfectant | Condenser Cleaner | Descaler | Electrostatic Air Filter Cleaner | Condensate Drain Cleaner | Anti-Corrosion Treatment | Odour Prevention | Case and Diffuser Cleaner | Bubble-Up Leak Detector | Internal Coil Flushing Agent | Solvent Coil Cleaner |
|-----------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------|-------------------|----------|----------------------------------|--------------------------|--------------------------|------------------|---------------------------|-------------------------|------------------------------|----------------------|
| HydroCoil®                                                                                                            | ✓                  |                                   |                   |          |                                  |                          |                          |                  |                           |                         |                              |                      |
| HydroFoam®                                                                                                            |                    |                                   | ✓                 |          |                                  |                          |                          |                  |                           |                         |                              |                      |
| HydroKleen®                                                                                                           |                    |                                   | ✓                 |          |                                  |                          |                          |                  |                           |                         |                              |                      |
| SuperClean™                                                                                                           |                    |                                   | ✓                 |          |                                  |                          |                          |                  |                           |                         |                              |                      |
| Hidroxx™                                                                                                              |                    |                                   |                   | ✓        |                                  |                          |                          |                  |                           |                         |                              |                      |
| Hidroxx™ Gel                                                                                                          |                    |                                   |                   | ✓        |                                  |                          |                          |                  |                           |                         |                              |                      |
| CondenCide®                          |                    | ✓                                 |                   |          |                                  |                          |                          |                  |                           |                         |                              |                      |
| EnviroCoil®                                                                                                           | ✓                  |                                   | ✓                 |          | ✓                                |                          |                          |                  |                           |                         |                              |                      |
| HB30®                                                                                                                 |                    |                                   |                   | ✓        |                                  |                          |                          |                  |                           |                         |                              |                      |
| DrainKleen®                                                                                                           |                    |                                   |                   |          |                                  | ✓                        |                          |                  |                           |                         |                              |                      |
| DrainKleen® One Shot                                                                                                  |                    |                                   |                   |          |                                  | ✓                        |                          |                  |                           |                         |                              |                      |
| ProTect™                                                                                                              |                    |                                   |                   |          |                                  |                          | ✓                        |                  |                           |                         |                              |                      |
| StayClean™                                                                                                            |                    |                                   |                   |          |                                  |                          |                          | ✓                |                           |                         |                              |                      |
| GreaseGobbler™                                                                                                        |                    |                                   |                   |          |                                  |                          |                          |                  |                           |                         |                              | ✓                    |
| EndoFlush®                                                                                                            |                    |                                   |                   |          |                                  |                          |                          |                  |                           | ✓                       |                              |                      |
| <b>ReadyToUse</b>                                                                                                     |                    |                                   |                   |          |                                  |                          |                          |                  |                           |                         |                              |                      |
| Evaporator Cleaner                                                                                                    | ✓                  |                                   |                   |          |                                  |                          |                          |                  |                           |                         |                              |                      |
| Evaporator Cleaner & Disinfectant  |                    | ✓                                 |                   |          |                                  |                          |                          |                  |                           |                         |                              |                      |
| Condenser Cleaner                                                                                                     |                    |                                   | ✓                 |          |                                  |                          |                          |                  |                           |                         |                              |                      |
| Bubble Up Leak Detector                                                                                               |                    |                                   |                   |          |                                  |                          |                          |                  |                           | ✓                       |                              |                      |
| <b>EasyToUse</b>                                                                                                      |                    |                                   |                   |          |                                  |                          |                          |                  |                           |                         |                              |                      |
| EasyFoam®                                                                                                             |                    |                                   | ✓                 |          |                                  |                          |                          |                  |                           |                         |                              |                      |
| EasyClean®                                                                                                            | ✓                  |                                   | ✓                 |          |                                  |                          |                          |                  |                           |                         |                              |                      |
| EasyCare™                                                                                                             |                    | ✓                                 |                   |          |                                  |                          |                          |                  |                           |                         |                              |                      |
| EasyCoat™                                                                                                             |                    |                                   |                   |          |                                  |                          | ✓                        |                  |                           |                         |                              |                      |
| EasyFinish™                                                                                                           |                    |                                   |                   |          |                                  |                          |                          | ✓                |                           |                         |                              |                      |
| EasyFind®                                                                                                             |                    |                                   |                   |          |                                  |                          |                          |                  |                           | ✓                       |                              |                      |



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