

PRODUCT CATALOGUE

REV 01-09-18-CHEM



clever chemistry!





Meet the team

Advanced Engineering is the recognised world-leader in the manufacture and supply of high quality coil cleaners and service equipment to the air conditioning and refrigeration industry.

Established in 1982, Advanced has built up an outstanding reputation as the provider of world-leading equipment for AC&R service engineers. To achieve that position, Advanced has constantly scoured the globe for products that offer exceptional performance.

A leading manufacturer & distributor

In the last few years, Advanced has developed relationships with the Chemistry department of the University of Surrey, and subsequently, has added Dr. Kajally Jobe as the Head of our Research and Development Department where his brain child - the Jally Strip was born. After the introduction of this vital part of the 3-step refrigeration process, Kajally has moved on to creating innovative and revolutionary new products such as Sucro, VerteX and Frozone to name a few.

Passionate, expert support

Delivering high-quality products and sales support is only part of the story. Advanced attributes much of its success to an ability to provide an unusually high level of technical back-up to engineers in the field.

Highly trained and vastly experienced staff are always on hand to give expert advice. In addition, we handle the servicing, repair and recalibration of the equipment we supply, so excellent standards of customer care are guaranteed.

The beating heart of operations

The centre of operations, located in the heart of Basingstoke, offers 17,000 square feet of office and warehouse space, a purpose-built manufacturing unit, a product development and testing facility, meeting and training rooms, together with extensive parking, turning and loading areas.



clever chemistry!

HEATING CHEMICALS

- SafeGarde SG121
- SafeGarde SG221
- SafeGarde SG321

ICE MACHINE CLEANERS

- Ice 'n' Clean21
- Ice 'n' Clean ONE SHOT21

SPECIALIST PRODUCTS

PRODUCT CATALOGUE

CONTENTS



1. CHEMICALS

AC CHEMICALS

UNIVERSAL CLEANERS

- VerteX5
- EasyClean5
- EnviroCoil5

EVAPORATOR CLEANERS

- CondenCide6
- RTU ECD6
- EasyCare6
- RTU EC6
- HydroCoil6

CONDENSER CLEANERS

- SuperClean7
- EasyFoam7
- RTU CC7
- HydroKleen7
- HydroFoam 2.07

DRAIN & CONDENSATE TREATMENT

- DrainKleen8
- StayClean Strips8
- DrainKleen One Shot8
- StayClean Mini Tabs8

FRAGRANCE & ODOUR CONTROL

- SmellyJelly9
- Guardian Spray9
- StayClean Spray9
- EasyFresh9

THE FINISHING TOUCH

- EasyFinish10
- All-White10
- EasyWipes10



REFRIGERATION CHEMICALS

EVAPORATOR CLEANERS

- CoolSafe13
- CoolSafe RTU13

FREEZER CLEANERS

- FroZone13

DRAIN TREATMENT

- DrainSafe15
- Jally Strips14

THE FINISHING TOUCH

- AllSafe15
- AllSafe RTU15

KITS

- 3-flo kit15

HEATING CHEMICALS

- SafeGarde SG119
- SafeGarde SG219
- SafeGarde SG319
- RDHA-16 / 19

ICE MACHINE CLEANERS

- Ice 'n' Clean21
- Ice 'n' Clean ONE SHOT21

SPECIALIST PRODUCTS

SPECIALIST CLEANERS

- SuCro23
- GreaseGobbler23
- EndoFlush23
- Flushing Pump23

LIMESCALE REMOVER

- Hidrox25
- Scale Pro25

CORROSION PREVENTION

- EasyCoat25
- ProTect25

CLEANING ACCESSORIES

- HydroSprayer27
- AC-Pro Report Sheets27
- AC-Pro F-Gas System Labels27
- TieTite27

2. LEAK DETECTION

LEAK DETECTION SPRAYS

- EasyFind29
- RTU BU29



3. BRAZING & SOLDERING

FLAME RETARDENT

- PyroCool29

4. OILS & LUBRICANTS

VACUUM PUMP OIL

- Advanced Vacuum Pump Oil30

5. CLEAN & DISINFECT

- D10 Ultimo31

12. BACK OF BOOK

- Service & repairs32
- index by product33

RESOURCE EXTRAS

- 3-step maintenance AC11
- Jally Strips application14
- 3-step refrigerator Maintenance16
- Pipe Sizing Chart24



Chemicals

AIR CONDITIONING

Specialist maintenance chemicals designed to tackle issues commonly associated with air conditioners



Call our Sales Team +44 (0) 1256 460 300

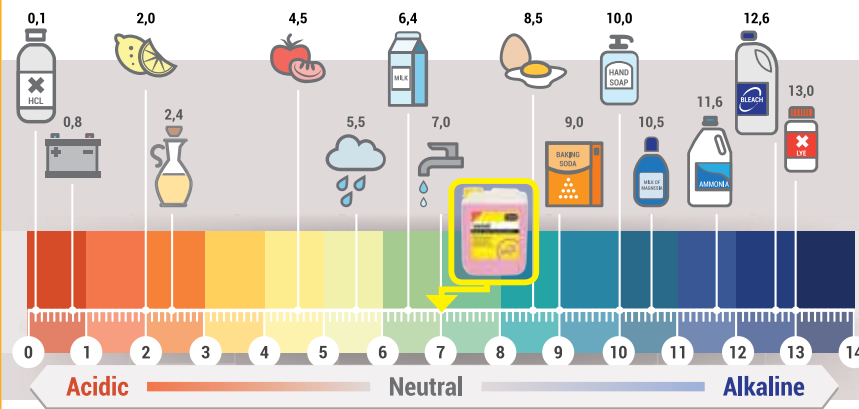


Now specified with major manufacturers in the HVAC market

NEW

PUMP SAFE

MAKES 25-45L



VerteX®

Neutral pH 7 cleaners for condensers and evaporators

- Adaptive cleaner which quickly removes rust, scale, grease and fat
- Non corrosive - neutral pH 7
- Ideal for microchannel and coils with protective coatings
- Neutralises all unpleasant malodour

CODE	PRODUCT	QTY	SIZE
S010389GB	VerteX	4	5L

VerteX® is a full-spectrum cleaner. Its unique formulation allows it to change its own pH balance to either acid or alkali to better combat the soils it comes into contact with. This adaptive dimension makes it perfect for use in almost any maintenance scenario – both indoors or outdoors.

Making fast work of dirt on coils, VerteX® quickly penetrates through rust, scale, grease and organic debris - loosening the deposits - allowing them to be easily rinsed clean.

VerteX® will not damage or etch the coil surface, making it the ideal product for modern and lightly coated alloy coils. No harmful or volatile by-products are produced as a result of using VerteX® and its ability to neutralise all unpleasant coil odour from evaporators means it can be used within normal business hours.

1:8 - EVAPORATORS
1:4 - CONDENSERS



HAZARDOUS TRANSPORT

AEROSOL

COMPLIES WITH
BS/EN 1276 & BS/EN 1040

EasyClean™

Universal coil cleaner

- Suitable for use on both air cooled evaporators and condensers
- Convenient, high powered aerosol with a safe formulation
- Attacks only the dirt not the coil
- Part of our Easy range of products

CODE	PRODUCT	QTY	SIZE
S010128GB	EasyClean	12	600ml



CONCENTRATE

CONDENSATE PUMP SAFE

5L MAKES 25-45L

20L MAKES 100-180L

1:8 - EVAPORATORS
1:4 - CONDENSERS

EnviroCoil®

Universal coil cleaner

- Safe to use
- Biodegradable, environmentally friendly and mild formulation which makes it perfect for use in almost any maintenance scenario - indoors or outdoors
- Improves energy efficiency
- Contains no acids, phosphates, sodium/potassium hydroxide

CODE	PRODUCT	QTY	SIZE
S010167GB	EnviroCoil	4	5L
S010312GB	EnviroCoil	1	20L

EVAPORATOR CLEANERS



CONCENTRATE

PUMP SAFE

MAKES 25L

COMPLIES WITH BS/EN 1276 & BS/EN 1650

HAZARDOUS TRANSPORT

CondensCide®



Alkaline evaporator cleaner and disinfectant

- With QX-60® disinfectant - Kills 99.999% of bacteria in 60 seconds or less
- Improves energy efficiency and indoor air quality
- Approved by leading condensate pump brands

CODE	PRODUCT	QTY	SIZE
S010166GB	CondensCide	4	5L
S010165GB	CondensCide	1	20L



AEROSOL

WITH QX-60

COMPLIES WITH BS/EN 1276 & BS/EN 1040

EasyCare is an evaporator cleaner and disinfectant designed to address concerns over indoor air quality.

EasyCare®



Evaporator cleaner and disinfectant

- Kills bacteria, fungi and viruses in 60 seconds
- Improves indoor air quality
- Convenient, high-powered aerosol
- Removes grease, nicotine and grime

CODE	PRODUCT	QTY	SIZE
S010127GB	EasyCare	12	600ml



CONCENTRATE

PUMP SAFE

MAKES 35L

HydroCoil®

Alkaline evaporator cleaner

- The original heavy-duty evaporator cleaner
- Cleans even the dirtiest evaporator coils
- Eliminates slime from condensate trays
- Safe for use with condensate pumps

CODE	PRODUCT	QTY	SIZE
S010181GB	HydroCoil	4	5L



READY TO USE

PUMP SAFE

WITH QX-60

COMPLIES WITH BS/EN 1276 & BS/EN 1650

RTU® ECD

Evaporator cleaner and disinfectant

- With QX-60® disinfectant - Kills 99.999% of bacteria in 60 seconds or less
- Convenient ready-to-use format

CODE	PRODUCT	QTY	SIZE
S010196GB	RTU ECD	8	1L
S010192GB	RTU ECD	4	5L
S010211GB	RTU ECD	1	20L



READY TO USE

PUMP SAFE

RTU® EC

Evaporator cleaner

- Highly effective at removing all common types of dirt and debris
- Convenient ready-to-use format
- Biodegradable formula that is safe to use
- Great for application as part of a regular maintenance programme

CODE	PRODUCT	QTY	SIZE
S010176GB	RTU EC	8	1L
S010193GB	RTU EC	4	5L
S010212GB	RTU EC	1	20L

AC SPARE PARTS



Drain Adaptor
- 9.5 mm (3/8")
Hose to 22mm

The RDHA-1 Rigid drain hose adaptor is used to connect 9.5 mm (3/8") hose to 22 mm overflow pipe. Suitable for use with Tank Condensate Pumps.

RDHA-1

Rigid drain hose adaptor

- Used to connect 9.5 mm (3/8") hose to 22 mm overflow pipe
- Suitable for use with Tank Condensate Pumps

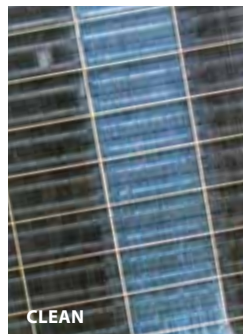
CODE	PRODUCT	QTY
S160027GB	RDHA-1	2



CONCENTRATE

HAZARDOUS
TRANSPORT

MAKES
25L



SuperClean™

Heavy-duty condenser cleaner

- Powerful foaming action
- Brightens the coil and inhibits future oxidation
- Just as powerful as an acid-based cleaner, but safer to use
- Strongest coil cleaner in the market, with a unique formulation

CODE	PRODUCT	QTY	SIZE
S010171GB	SuperClean	4	5L



NEW
FORMULA

CONCENTRATE

MAKES
35L

NEW
FORMULA

HydroFoam® 2.0

Heavy-duty condenser cleaner and brightener

- New coil brightening formula
- Non-toxic
- Biodegradable
- No degradation of aluminium or copper
- Cleans even the most stubborn baked-on dirt

CODE	PRODUCT	QTY	SIZE
S010164GB	HydroFoam 2.0	4	5L



HAZARDOUS
TRANSPORT

AEROSOL

EasyFoam is a powerful foaming condenser cleaner making it ideal for removing stubborn dirt from deep within problem coils

EasyFoam®

Foaming condenser cleaner

- Powerful formulation makes it ideal for removing stubborn dirt from problem coils
- Perfect for deep, multi-row condensers
- Easy-to-use aerosol
- Part of our Easy range of products

CODE	PRODUCT	QTY	SIZE
S010132GB	EasyFoam	12	600ml



READY
TO USE

NON
FOAMING

RTU® Condenser Cleaner also has a biodegradable formula that is very safe to use.

RTU® CC

Condenser cleaner

- Convenient ready-to-use cleaner
- Improves system efficiency
- Great as part of a regular maintenance programme

CODE	PRODUCT	QTY	SIZE
S010195GB	RTU CC	8	1L
S010191GB	RTU CC	4	5L
S010210GB	RTU CC	1	20L



CONCENTRATE

HAZARDOUS
TRANSPORT

MAKES
10L

HydroKleen®

Alkaline condenser cleaner

- Cleans even the most stubborn baked-on deposits
- Dissolves grease and oil
- Safe to use on aluminium-finned coils, will not attack the metal
- Heavy-duty, foaming formulation for air-cooled condensers

CODE	PRODUCT	QTY	SIZE
S010183GB	HydroKleen	4	5L

DRAIN & CONDENSATE TRAY TREATMENT



UP TO 6MTHS PROTECTION

CONDENSATE 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™ Strips

Condensate tray bacterial control

- Prevents micro-organism growth in condensate trays
- Controls odours
- Minimises risk of blockages
- Contains biocide

CODE	PRODUCT	QTY	SIZE
S010307GB	StayClean Strips (small)	6	size 1
S010310GB	StayClean Strips (large)	6	size 2



READY TO USE

CONDENSATE PUMP SAFE

HAZARDOUS TRANSPORT

DrainKleen® one shot has been formulated specifically to clear blockages found in condensate drains within ACR systems. It is a powerful liquid drain cleaner and is the ideal size to treat a single condensate drain.

DrainKleen® one shot

Condensate drain cleaner & unblocker

- Clears common blockages
- User-friendly design - for hard to reach areas
- Safe to use with condensate pumps

CODE	PRODUCT	QTY	SIZE
S010106GB	DrainKleen one shot	12	250ml



CONDENSATE PUMP SAFE

UP TO 8WKS PROTECTION

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

StayClean™ Mini Tablets

Condensate tray bacterial control

- Controls odours
- Reduces sludge build-up
- Minimises risk of blockages

CODE	PRODUCT	QTY	SIZE
S010105GB	StayClean Mini Tablets	20	1 pk-20 tablets
S010111GB	StayClean Mini Tablets Bulk	approx 540 tabs	1kg



READY TO USE

HAZARDOUS TRANSPORT

DrainKleen®

Condensate drain unblocker

- Clears organic blockages
- Heavier than water - sinks to reach blockage site

CODE	PRODUCT	QTY	SIZE
S010188GB	DrainKleen	4	5L



Size 1

Mini



Mountain Fresh



Morning



Citrus



COMING SOON
Orange



Apple



Floral

SmellyJelly®

Fragrancing gel

- Mini size are suitable for small fan coil units
- Size 1 are suitable for large fan coil and cassette units

CODE	PRODUCT	QTY	SIZE
S090002	SmellyJelly Citrus	20 cards	Size 1
S090003	SmellyJelly Floral	20 cards	Size 1
S090004	SmellyJelly Apple	20 cards	Size 1
S090006	SmellyJelly Morning	20 cards	Size 1
S090007	SmellyJelly Mountain Fresh	20 cards	Size 1
TBC	SmellyJelly Orange	20 cards	Size 1
S090008	SmellyJelly Mixed	20 cards	Size 1
S090017	SmellyJelly Citrus	20 cards	Mini
S090018	SmellyJelly Floral	20 cards	Mini
S090019	SmellyJelly Apple	20 cards	Mini
S090020	SmellyJelly Morning	20 cards	Mini
S090021	SmellyJelly Mountain Fresh	20 cards	Mini
TBC	SmellyJelly Orange	20 cards	Mini
S090022	SmellyJelly Mixed	20 cards	Mini



UP TO 6MTHS PROTECTION

READY TO USE

HAZARDOUS TRANSPORT

EasyFresh is specifically designed for use with air conditioning units. This product works on contact, eliminates odours and has a long-lasting fresh scent

EasyFresh®

Odour neutraliser for AC systems

- Specifically designed for air conditioning units
- Eliminates odours
- Produces a long-lasting fresh scent

CODE	PRODUCT	QTY	SIZE
S090049GB	EasyFresh	12	ml



UP TO 6MTHS PROTECTION

HAZARDOUS TRANSPORT

Guardian® is an advanced coil coating, designed to protect air conditioning systems vulnerable to mould and bacteria.

Guardian®

Antimicrobial coil defence

- Stops microbes growing back between cleans
- Continuous protection for up to 6 months
- Stops odours and diseases: maintains indoor air quality

CODE	PRODUCT	QTY	SIZE
S010304GB	Guardian	8	500ml



Maintains indoor air quality and is odourless, easy to apply, long-lasting and effective

UP TO 12 months PROTECTION

StayClean

Evaporator bacterial control treatment

- Inhibits accumulation of dirt and microbes for up to 12 months

CODE	PRODUCT	QTY	SIZE
S010206GB	StayClean	8	500ml

THE FINISHING TOUCH



READY TO USE

AEROSOL

HAZARDOUS TRANSPORT

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

With an appealing fresh scent

EasyFinish™

Fascia and case cleaner

- Suitable for most air conditioning units
- Safely removes finger marks etc from plastic and metal casework
- Easily removes stubborn nicotine, grease & general grime
- Part of our Easy range of products

CODE	PRODUCT	QTY	SIZE
S010131GB	EasyFinish	12	600ml



These convenient wipes loosen, dissolve and absorb dirt, grease, grime, oil, paint and tar. EasyWipes™ come in a re-sealable bag that will preserve freshness and are small enough to be easily stored in your tool case or van's glove box.

EasyWipes™

Professional grade handwipes

- Cleans surfaces quickly & effectively
- Safe for use on hands
- No mess
- Ideal for a quick clean-up after a job
- Versatile multi-functional wipes

CODE	PRODUCT	QTY	SIZE
S010151GB	EasyWipes	20 (pks)	1pk (50 wipes)
S010365GB	Easywipes (box)	1 (box)	8 pks



READY TO USE

AEROSOL

HAZARDOUS TRANSPORT

All-White® ceiling tile restorer is a quick and easy way of re-colouring stained ceiling tiles to their original whiteness - saving you the time and expense of sourcing a new tile.



All-White®

Ceiling tile restorer

- Restores tile colour following condensate/oil leakage
- Covers nearly all types of stains
- Saves costly tile replacement

CODE	PRODUCT	QTY	SIZE
S010157GB	All-White	12	400ml

GET IN CONTACT



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ADVANCED ENGINEERING LTD



ADVANCEDENGINEERING.CO.UK

Call or email our sales team

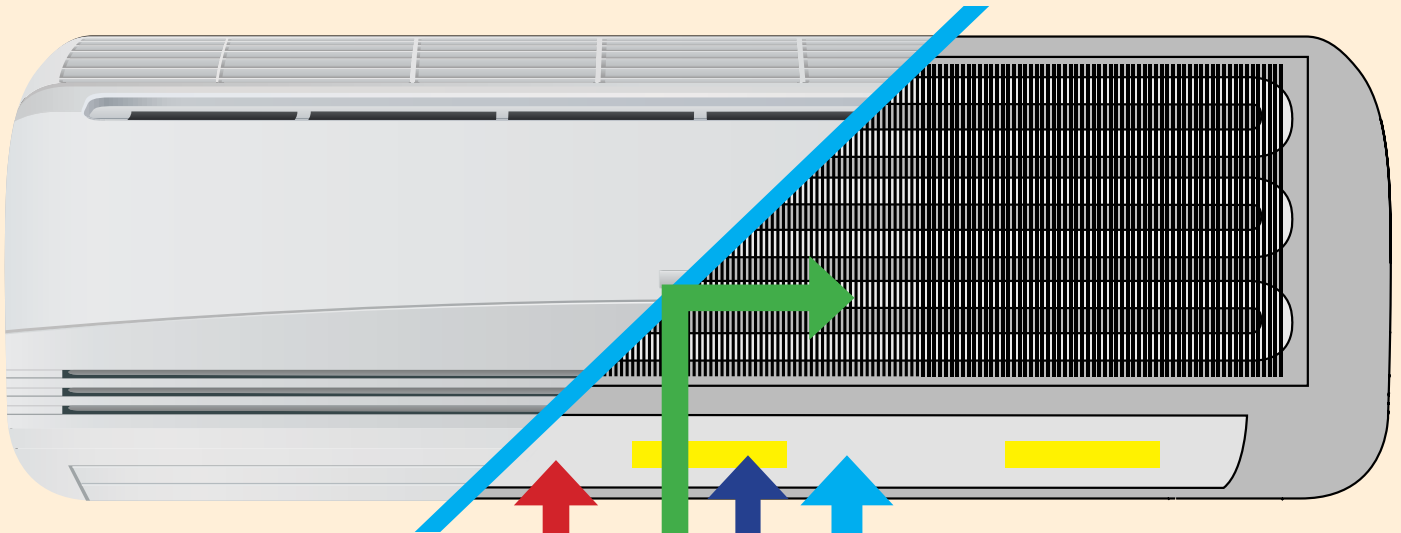
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sales@advancedengineering.co.uk

RECOMMENDED CLEANING PROCESS

What are the 3-steps of evaporator maintenance?

3-step evaporator maintenance program



Condensate drain

STEP 1 CLEAN & KILL

clear organic blockages

Remove excess water from condensate tray and drain. Pour in product and allow it to remain in tray for 5 minutes. Flush out with fresh water for 2-3 minutes. Repeat until obstruction is cleared.



Evaporator coil

STEP 2 CLEAN & KILL

clean and disinfect coil

Spray the diluted/RTU product directly onto the coil, starting at the top corner and working across and down. This effectively removes all common types of dirt and debris. Keep all surfaces wet for 5 minutes and rinse thoroughly.



Condensate drain

STEP 3^a PROTECT

protect from sludge build-up

Place the strip in the tray at the highest end, adjacent to the coil. If the tray has a central drain, place strips either side of the drain. If there is not enough space in the tray, the strips can be placed in the returns bend at the end of the coil at the opposite end to the drain connection.



Evaporator coil

STEP 3^b PROTECT

protect from bacteria regrowth

Shake well to ensure that the active ingredients have mixed thoroughly. After making sure that the condensate tray and casework are as clean as the coils, spray liberally onto all evaporator surfaces that you are looking to protect. Coil needs to be dry before application. Allow to dry (approximately 20-30 minutes) after application before starting the system.





Chemicals

REFRIGERATION

*The worlds only range
of chemical cleaners for
commercial refrigeration*





CONDENSATE
PUMP SAFE

CONCENTRATE

MAKES
30L

NSF

Nonfood Compounds
Program Listed

HAZARDOUS
TRANSPORT

CoolSafe®

Refrigeration coil cleaner

- Registered by NSF - Safe for use in food storage & preparation areas
- Removes slime, mould & foodstuffs
- Improves equipment efficiency
- User and environmentally friendly
- Complies with British & European Standards for Bactericides & Fungicides BS/EN 1276 & BS/EN 1650
- Safe to use with condensate pumps

CODE	PRODUCT	QTY	SIZE
S010232GB	CoolSafe	4	5L



CONDENSATE
PUMP SAFE

READY
TO USE

NSF

Nonfood Compounds
Program Listed

CoolSafe® RTU®

Refrigeration coil cleaner

- Convenient ready-to-use cleaner
- Improves system hygiene & efficiency
- Registered by NSF - Safe for use in food storage & preparation areas
- Complies with British & European Standards for Bactericides & Fungicides BS/EN 1276 & BS/EN 1650
- Safe to use with condensate pumps

CODE	PRODUCT	QTY	SIZE
S010234GB	CoolSafe RTU	8	1L
S010233GB	CoolSafe RTU	4	5L

FREEZER CLEANERS



CONCENTRATE

MAKES
30L

NSF

Nonfood Compounds
Program Listed

FroZone® has been specifically designed for the areas often inadvertently overlooked during the maintenance of walk-in freezers and refrigerators - their floors and walls.

Dirt build-up can cause unnecessary health and safety issues within food storage areas, such as the contamination of produce from mould and mildew. Easily cutting through dirt, fat and ice deposits this specialist formula makes FroZone® a highly effective cleaner in sub-zero temperatures. Maintaining cleaning quality down to -25°C, so no need to switch off the system during the cleaning process!

Due to the non-metal corrosive formula of FroZone®, it is safe to use on aluminium, stainless steel and copper, meaning it can also be used to clean freezer heat exchanger surfaces with no risk of damage.

NEW

FroZone®

Floor and wall cleaner for cold storage

CODE	PRODUCT	QTY	SIZE
S010406	FroZone	4	5L

- Effective floor and wall cleaning quality down to -25°C eliminating freezer shut down
- Easily cuts through dirt and fat deposits reducing cleaning time
- Non-metal corrosive formula making it safe to use on aluminium and stainless steel surfaces



Jally® Strips

Condensate tray microbial control

- Designed for refrigeration systems
- Slime dispersing action
- Smart release - extra biocidal power when needed
- 12 months protection
- Safe to use in food preparation areas
- Safe to use with condensate pumps



CODE	PRODUCT	QTY	SIZE
S010386GB	Jally Strips	5	50 strips
S010370GB	Jally Strips	1	50 strips

Jally® Strips are a condensate tray treatment providing up to twelve months protection from slime build up caused by bacteria, fungi, algae and other micro-organisms. The large sized Jally® Strips are designed specifically for use on large cooling systems. When used correctly, Jally® Strips are safe to use in food preparation and storage areas (NSF registered).

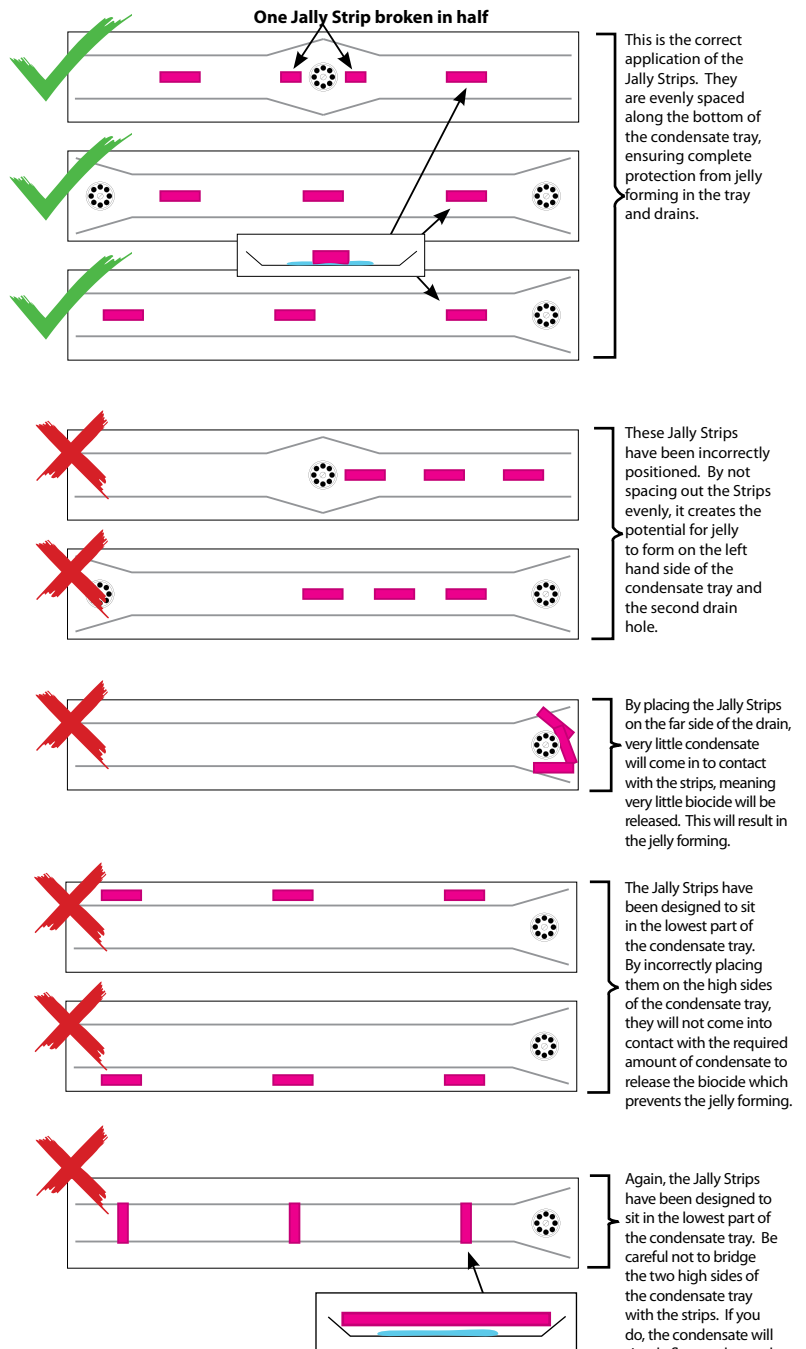
The correct application for the Jally Strips in chiller cabinet condensate drain pans will vary depending on the size and design of the chiller cabinets.

Quantity:

The number of Jally Strips required matches the length of the cabinet in metres. i.e. a 3 metre cabinet requires 3 x Jally Strips.

Placement:

Some common sense will be required as not every potential layout will be covered by the diagram (below). As a rule of thumb, the strips should be evenly spaced along the bottom of the drain pan, where they will come in to contact with the condensate water draining down from the evaporator.



Please note that we recommend a deep and thorough clean of any refrigeration system using **DrainSafe** and **CoolSafe** (part of our 3-step cleaning process). Please ensure that the condensate drains are running free and clear before placing the strips - **Jally Strips** will maintain the environment that a deep clean creates.



CONCENTRATE

MAKES 30L



Nonfood Compounds Program Listed

AllSafe®

Refrigeration case cleaner and disinfectant

- Safe, sanitising action removes mould & food debris
- Ideal for chilled display cabinets and casing
- Effective on plastics, metals and glass
- Registered by NSF - Safe for use in food storage & preparation areas

CODE	PRODUCT	QTY	SIZE
S010262GB	AllSafe	4	5L



READY TO USE



Nonfood Compounds Program Listed

AllSafe® RTU® is the ready-to-use option for AllSafe refrigeration case cleaner and disinfectant which comes with all the cleaning ability of the concentrate but is pre-mixed for your safety and convenience.

AllSafe® RTU®

Refrigeration case cleaner and disinfectant

- Registered by NSF - Safe for use in food storage & preparation areas
- Convenient ready-to-use cleaner
- Improves system hygiene & efficiency

CODE	PRODUCT	QTY	SIZE
S010299GB	AllSafe RTU	8	1L
S010262GB	AllSafe RTU	4	5L



HAZARDOUS TRANSPORT

CONDENSATE PUMP SAFE

READY TO USE



Nonfood Compounds Program Listed

DrainSafe®

Refrigeration drain unblocker

- Clears organic blockages
- Safe to use with condensate pumps
- Registered by NSF – Suitable for use in food storage & preparation areas

CODE	PRODUCT	QTY	SIZE
S010257GB	DrainSafe	8	500ml
S010264GB	DrainSafe	4	5L



3-flo Kit

Refrigeration cleaning kit

- 1 x 500ml DrainSafe
- 1 x 1L CoolSafe
- 1 x 3 pack Jally Strips

CODE	PRODUCT	QTY
S010410	3-flo kit	1

NSF International – Nonfood Compounds Registration Program



When you choose a product certified by NSF, it is letting you know the company complies with strict standards and procedures imposed by NSF. From extensive product testing and material analyses to unannounced plant inspections, every aspect of a product's development is thoroughly evaluated before it can earn an NSF certification.

More importantly, NSF certification is not a one-time event, but involves regular on-site inspections of manufacturing facilities and regular re-testing of products to ensure that they continue to meet the same high standards required to maintain certification over time. If for any reason a product fails to meet one or more certification criteria, NSF will take enforcement actions to protect you, including product recall, public notification or de-certification.

Products that earn NSF certification are said to be "NSF certified" or "NSF listed" and display the applicable NSF certification mark to show that they have been tested by one of today's most respected independent product testing organisations.

Products eligible for NSF Registration include all compounds used in and around food establishments (nonfood compounds), such as disinfectants and lubricants, and those used for pre-processing of food substances, such as fruits/vegetable washing agents. NSF Registration assures inspection officials and end users that formulation and labels meet appropriate food safety regulations.

3-STEP Refrigerator LIFE SUPPORT

STEP 1 CLEAN & KILL DrainSafe®

DrainSafe® dissolves any contamination in the drain line, to create clear and clean condensate run offs.



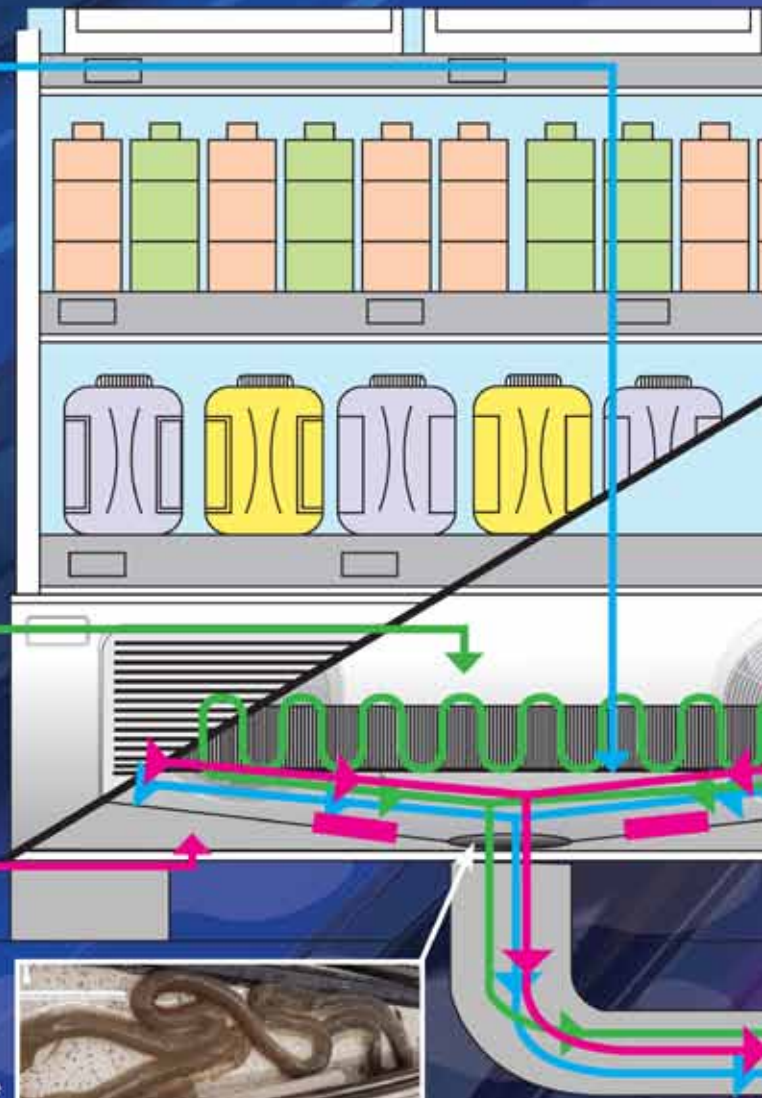
STEP 2 CLEAN & KILL CoolSafe®

CoolSafe® sprayed over and around the coils will loosen dirt and grime - cleaning while disinfecting!



STEP 3 PROTECT Jally® Strips

Adding Jally® Strips to your regular maintenance program will eliminate slime build-up for only 1 penny a day!

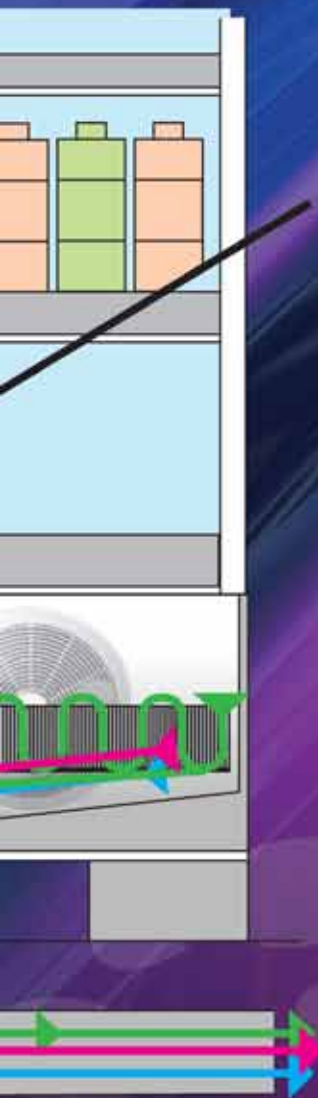


Get rid of the slime build-up!



strips

12 MONTHS PROTECTION



DrainSafe® Refrigeration drain unblocker

DrainSafe® is a powerful drain unblocker for use on refrigeration systems.

It has been designed to quickly dissolve slime and biofilms. These buildups are commonly found in the condensate lines draining away from chilled storage and dairy cabinets and can cause blockages and the spread of bacteria.

Featuring an industrial strength formula, **DrainSafe®** is acceptable for use on drains in and around food processing areas.



CoolSafe® Refrigeration coil cleaner & disinfectant

CoolSafe® and CoolSafe® RTU® comply with British & European Standards for Bactericides & Fungicides BS/EN 1276 & BS/EN 1850

CoolSafe® is an effective coil cleaner for refrigeration systems. Its unique formula will remove all common contaminants left by organic materials and foodstuffs on cooling coils – with minimum hazard to the user and immediate environment.

CoolSafe® is safe to use with condensate pumps and is registered with NSF, which means it is mild enough to be used in sensitive food-preparation and storage areas.

CoolSafe® is ideal for use on food-display cabinets, walk-in refrigerators and freezers.



Jally® Strips Condensate tray microbial control

Jally® Strips are condensate tray treatment providing up to twelve months protection from slime buildup caused by bacteria, fungi, algae and other micro-organisms. The large sized Jally® Strips are designed specifically for use on large cooling systems. When used correctly, Jally® Strips are safe to use in food preparation and storage areas.





Chemicals

HEATING

From protection against limescale through to noise reducers - our chemicals have it all covered



Call our Sales Team +44 (0) 1256 460 300



READY TO USE

NEW

SafeGarde SG1 Scale Inhibitor provides protection for high-value components - such as heat exchangers - against limescale and corrosion. Suitable for both new and existing central heating systems, SafeGarde SG1 Scale Inhibitor will extend the life of the system. This will ensure your systems performs with maximum efficiency and minimises fuel usage.

with
QUATROTECH TECHNOLOGY

SafeGarde SG1

Multi-metal corrosion inhibitor

- Quadruple blend of corrosion inhibitors
- Protects against limescale and corrosion
- Suitable for both old and new systems

CODE	PRODUCT	QTY	SIZE
S170001GB	SafeGarde SG1	12	1L



READY TO USE

NEW

SafeGarde SG2 Noise Reducer quickly neutralises and removes corrosion deposits, including sludge, flux, debris, oils and grease from new and old central heating systems. It restores circulation to radiators and pipe work. For best results on old and kettling systems, this product should be used before SafeGarde SG1 inhibitor.

SafeGarde SG2

Noise reducer

- Removes boiler noise and improves heat transfer
- Can be left in the system for 2 weeks to breakdown Magnetite sludges.

CODE	PRODUCT	QTY	SIZE
S170002GB	SafeGarde SG2	12	1L



READY TO USE

NEW

SafeGarde SG3 Cleaner is sufficient to clean a typical domestic central heating system within 1 hour (average 3 to 4 -bedroom house or 100L). Contains chelant which holds metal debris in solution and stops them from sticking. Additional/repeat applications of SafeGarde SG3 Cleaner may be necessary for larger systems, or if systems are heavily sludged.

SafeGarde SG3

Cleaner and flusher

- Cleans a typical domestic central heating system within one hour with or without a powerflush machine
- Removes debris, sludge and scale

CODE	PRODUCT	QTY	SIZE
S170000GB	SafeGarde SG3	12	1L

HEATING SPARES

Drain Adaptor – 9.5 mm (3/8") Hose to 22mm



The RDHA-1 Rigid drain hose adaptor is used to connect 9.5 mm (3/8") hose to 22 mm overflow pipe. Suitable for use with Tank Condensate Pumps.

RDHA-1

Rigid drain hose adaptor

- Used to connect 9.5 mm (3/8") hose to 22 mm overflow pipe
- Suitable for use with Tank Condensate Pumps

CODE	PRODUCT	QTY
S160027GB	RDHA-1	2



Chemicals

ICE MACHINES

Products to keep ice machines producing clean and healthy ice



Call our Sales Team +44 (0) 1256 460 300

NEW



HB-30 has had a REVAMP. The old formula has been improved resulting in a phenomenal new product

This odour-free ice machine cleaner unlocks the cleaning power of phosphoric acid to remove limescale and other harmful deposits.

It is now equipped with a colour indicator which allows the user complete assurance that the product has been completely flushed from the machine.

Also available as a one-shot version!



Ice 'n' Clean®

Ice machine cleaner

- Clears heavy limescale and slime deposits
- Nickel and aluminium safe - suitable for all ice machines
- Colour indicator ensures product is completely flushed
- New odourless formula

CODE	PRODUCT	QTY	SIZE
S010209GB	Ice 'n' Clean	12	1L
S010169GB	Ice 'n' Clean	4	5L
S010342GB	Ice 'n' Clean	1	20L

Ice 'n' Clean® one shot

Ice machine cleaner & disinfectant

- 250ml 'one shot' makes 10 Litre of product, enough for one ice machine
- Suitable for use with all types of ice machines
- Concentrated formula

CODE	PRODUCT	QTY	SIZE
S010148GB	Ice 'n' Clean one shot	12	250ml

HAZARDOUS TRANSPORT

READY TO USE



Chemicals

SPECIALIST

*Specialist chemicals
designed with the engineer's
requirements in mind*



Call our Sales Team +44 (0) 1256 460 300



**MAKES
15L**

**CONDENSATE
PUMP SAFE**

CONCENTRATE

NEW

Sucro®

Heavy-duty sugar remover

- Specially developed for removing sugar, yeast and coffee dust build-up from indoor evaporator units
- Powerful foaming action
- Cleans even the most stubborn baked-on deposits improving air flow and efficiency
- Developed alongside a major chocolate factory in the UK

CODE	PRODUCT	QTY	SIZE
S013378GB	Sucro	4	5L

Fine sugars used in some manufacturing processes can build up on air conditioning coils. Over time, these layers of fine sugar particles stick on the coils, solidify, and cause a reduction in the airflow and heat transfer.

Designed with the food manufacturing and processing market in mind, Sucro® has a specially designed formula that makes short work of removing the most stubborn of accumulated deposits.



**HAZARDOUS
TRANSPORT**

AEROSOL

GreaseGobbler™, is a no-rinse-required condensing unit coil cleaner, in a high-powered aerosol package.

GreaseGobbler™

Solvent-based condenser cleaner

- Dissolves grease on contact
- Quick drying
- Non-conductive and non-flammable

CODE	PRODUCT	QTY	SIZE
S010133GB	GreaseGobbler	12	400ml



**READY
TO USE**

**HAZARDOUS
TRANSPORT**

EndoFlush®

Internal coil & system cleaner

- For use after burnouts, before component changes or when retrofitting
- Will flush away sludge, carbon residues, acids, oils and water
- Low viscosity – flows easily

CODE	PRODUCT	QTY	SIZE
S010190GB	EndoFlush	4	5L
S010004GB	EndoFlush	1	20L
S010124GB	EndoFlush	1	205L



For use with EndoFlush®

Flushing pump

and pump spare parts

CODE	PRODUCT	QTY	SIZE
S010005	Flushing Pump	1	110V
S010006	Flushing Pump	1	240V
S070173	Electric Box	1	-
S070174	Replacement gauge	1	-
S010090	Service kit	1	-

LIMESCALE REMOVER

Chemicals

SPECIALIST



HAZARDOUS
TRANSPORT

CONDENSATE
PUMP SAFE

MAKES
34L

CONCENTRATE

MAKES
165L

MAKES
660L

Hidrox™ is a descaling treatment for use on closed water systems and cooling towers.

Hidrox™

Internal-pipework limescale remover

- For cooling towers, pipework, condensers, water heaters and cast-iron indoor boilers
- Contains inhibitors to protect metal surfaces
- Colour indicator to ensure continued protection

CODE	PRODUCT	QTY	SIZE
S010208GB	Hidrox	12	1L
S010168GB	Hidrox	4	5L
S010213GB	Hidrox	1	20L



READY
TO USE

ScalePro® is a rapid descaler for condensers affected by limescale build-up.

NEW
FORMULA

ONE OF THE
GREEN
CHEMISTRY
RANGE

ScalePro®

Limescale remover for adiabatic condensers

- Rapidly removes scale from condenser coils
- Restores system efficiency
- Safe on aluminium coils
- Perfect for adiabatic coolers

CODE	PRODUCT	QTY	SIZE
S010147GB	ScalePro	4	5L
S010336GB	ScalePro	1	20L

CORROSION PREVENTION



AEROSOL

HAZARDOUS
TRANSPORT

EasyCoat™ is an acrylic coating aerosol, designed to guard air-cooled 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 for your air conditioning and refrigeration systems.

EasyCoat™

Acrylic protective coating for coils

- Effective corrosion protection for coils
- Indicator dye helps ensure complete coverage
- Rapid drying

CODE	PRODUCT	QTY	SIZE
S010129GB	EasyCoat	12	600ml



READY
TO USE

HAZARDOUS
TRANSPORT

ProTect™ is a manually applied acrylic coating designed to guard air-cooled coils against corrosive environmental factors such as acid rain, saline atmospheres and airborne ammonia.

ProTect™

Acrylic coating for coils

- Economical protective coating for cooling coils
- Rapid drying
- Water & oil resistant formula

CODE	PRODUCT	QTY	SIZE
S010032GB	ProTect	1	1L
S010032GB	ProTect	1	5L



Chemicals

ACCESSORIES

Products intended to aid the engineer in coil cleaning and servicing



Call our Sales Team +44 (0) 1256 460 300

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



COMING SOON!
ELECTRIC SPRAYER
PLEASE ASK SALES
FOR DETAILS

Pump assembly



Replacement seal kit



Handle assembly



Pressure relief valve



Lance assembly (includes nozzle)

HydroSprayer®

Cleaner applicator

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

CODE	PRODUCT	QTY	SIZE
S010107	HydroSprayer	1	8L
S010376GB	HydroSprayer	1	5L
S010138	Replacement Seal Kit	1	-
S010139	Pump Assembly	1	-
S010140	Lance Assembly	1	-
S010141	Handle Assembly	1	-
S010142	Pressure Relief Valve	1	-



those worried about their legal F-Gas duties.

AC-Pro™ Pads are an efficient record management system, with the reporting sheets providing engineers with a concise, efficient way to keep accurate records and give peace of mind to customers; particularly

AC-Pro™

Report sheets

- Present a professional image with these two part NCR reports
- Help your clients comply with the current F-Gas regulations
- Provide structured information to keep your client's equipment log books up to date (BS/EN 378-2:2000)

CODE	PRODUCT	QTY	SIZE
S080028GB	Breakdown Report	10	50 sheets
S080029GB	Installation Reports	10	50 sheets
S080030GB	Air Conditioning Service Reports	10	50 sheets
S080031GB	Refrigerant Tracking Reports	10	50 sheets
S080032GB	Parts Requests Reports	10	50 sheets
S080033GB	Commissioning Reports	10	50 sheets
S080028GB	Refrigeration Service Reports	10	50 sheets
S080035GB	Pipe Strength & Tightness Reports	10	50 sheets
S080036GB	Mixed Pads	10	50 sheets



The pack contains:
30 x adhesive stickers (140x105mm) - combining all the information in one label
1 x Marker Pen

AC-Pro™

F-Gas system labels

- Record the total system refrigerant charge
- Keep a refrigerant leak check record
- Water & weather resistant

CODE	PRODUCT	QTY	SIZE
S080037GB	AC-Pro F-Gas	5	60 labels



The TieTite is designed to be used as an aid to cleaning ceiling-mounted evaporators. They help reduce the splashing

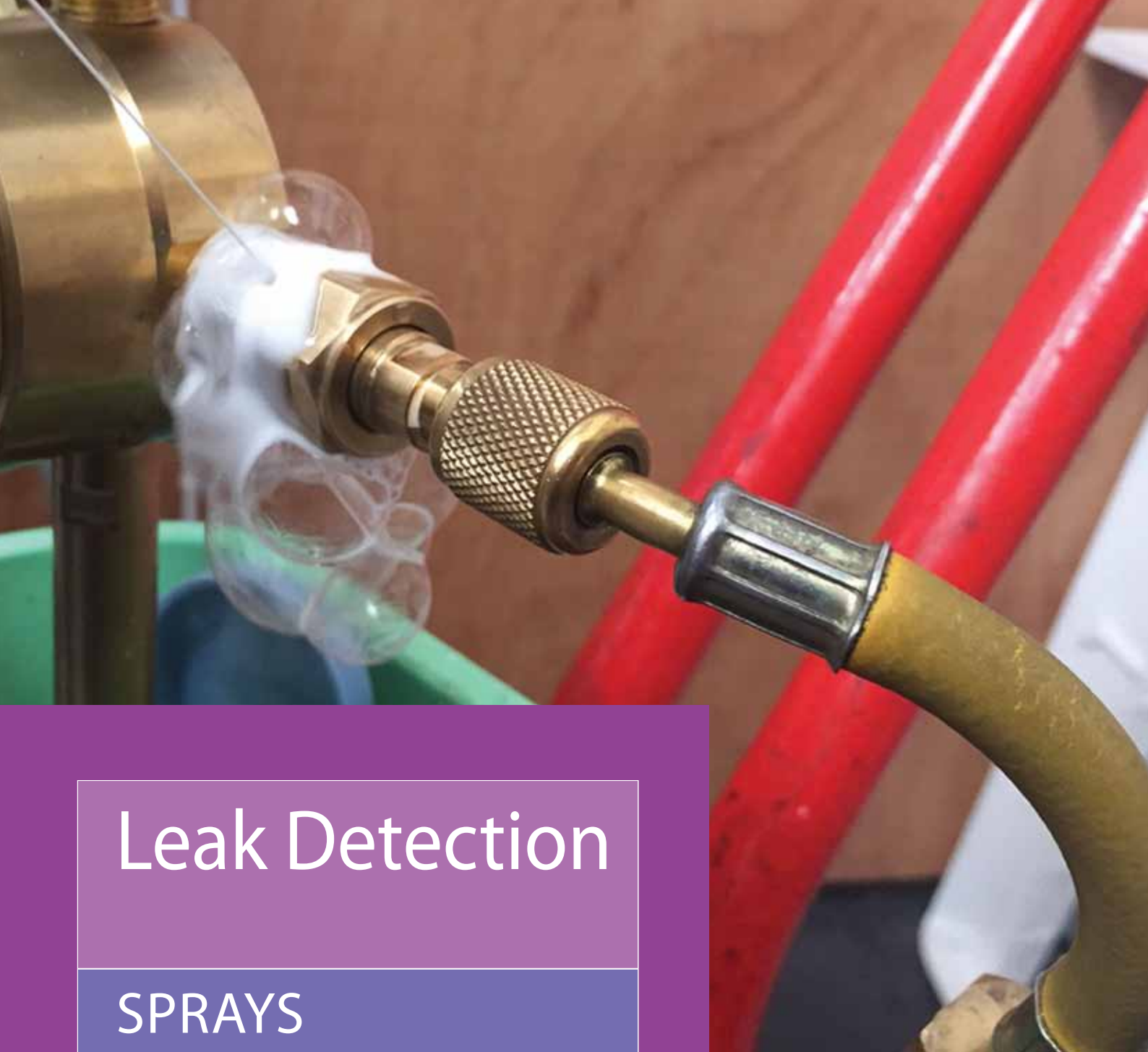
of any cleaning products onto furnishings and wall coverings. They also provide some level of protection to the end user.

TieTite®

Air conditioning cleaning cover for high wall units

- Ideal for use with high wall air conditioning units
- Protects walls, carpets and surrounding equipment whilst cleaning
- Provides protection to the user

CODE	PRODUCT	QTY	SIZE
S010119GB	TieTite	5/10/50	Size 1
TIEITITE2	TieTite	5/10/50	Size 2



Leak Detection

SPRAYS

*Bubble-up detectors
designed to find even the
smallest leaks*



Call our Sales Team +44 (0) 1256 460 300



**HAZARDOUS
TRANSPORT**

AEROSOL

**READY
TO USE**

EasyFind™ is a bubble-up leak detector specifically designed to locate refrigerant leaks.

EasyFind™

Bubble-up leak detector

- Specifically designed for refrigerant leaks
- Produces long-lasting bubbles
- Clings to all surfaces

CODE	PRODUCT	QTY	SIZE
S010130GB	EasyFind	12	400ml



**READY
TO USE**

RTU® BU Bubble-up leak detector is specifically designed to locate refrigerant leaks.

Standard bubble-up leak detectors, designed for use with natural gas, are unsuitable: their lower viscosity means they will not cling to surfaces as effectively and can easily be blown off the pipework before the refrigerant leak is identified.

RTU™ BU

Bubble-up leak detector

- Specifically designed for refrigerant leaks
- Produces long-lasting bubbles
- Clings to all surfaces

CODE	PRODUCT	QTY	SIZE
S010173GB	RTU BU	8	1L

BRAZING & SOLDERING

Soldering and brazing products for professionals

FLAME RETARDANT



PyroCool®

Flame retardant gel

- Protects all surfaces and parts close to brazing, soldering and welding
- Reduces risk of fire by protecting surfaces and dissipating heat
- Sticks to all surfaces for maximum protection
- Suitable for copper, steel and aluminium pipework

CODE	PRODUCT	QTY	SIZE
S050020GB	PyroCool	12	250ml
S050021GB	PyroCool	8	500ml
S050004GB	PyroCool	8	1L

OILS & LUBRICANTS



OILS & LUBRICANTS

Keep systems running efficiently with high-quality oil

VACUUM PUMP OIL



Vacuum pump oil

- Designed for vacuum pumps
- High thermal stability
- Low moisture content
- Available in a variety of different sizes

CODE	PRODUCT	QTY	SIZE
S145023GB	Advanced vacuum pump oil	12	1L

D10 ULTIMO

One-step
disinfectant & cleaner

D10 Ultimo

CODE	PRODUCT	QTY	SIZE
S010447	D10 Ultimo	12	1L
S010446	D10 Ultimo	4	5L
S010448	D10 Ultimo (empty mixing) bottles	8	1L

- **Effective against a broad spectrum of bacteria and fungi**
- **Will inhibit growth of mould and mildew (and associated odours)**
- **QUAT/PHMB-free formulation which does not leave residues on surfaces**
- **Reduces cross-contamination in hospitals, schools, institutions and industry**
- **For hard, nonporous surfaces**
- **Tested to SB EN 1276 and BS EN 13697 disinfectant standards**



Our QUAT-free D10 is a concentrated liquid detergent which cleans and disinfects all surfaces in one easy step. This product is available for all surfaces in food preparation areas, kitchen surfaces or medical facilities where cleaning and disinfecting is required simultaneously. D10 is suitable for cleansing and sanitising a variety of hard surfaces, including polished metals, plastics and painted areas, without and risk of damage. The clever chemistry in this product combines triamines, sequestrants, surfactants and a buffer system which makes D10 very effective against a wide range of micro-organisms - in all water conditions.



SERVICE & REPAIRS

WHAT TO DO



Call our Sales Team +44 (0) 1256 460 300

REPAIR SERVICE

Advanced Engineering Ltd has a dedicated service and repair facility with qualified engineers on hand to provide quality repairs and expert advice. Our workshop holds extensive stock of replacement parts. To support your business we have a robust returns and repairs service.

- **Items requiring repair under warranty will need to be supported by a valid proof of purchase.**
- **We request any item being sent into Advanced Engineering is accompanied by a Repair Returns Form**

The form and full details of our repairs and returns process can be found at:
www.advancedengineering.co.uk/repairs

CALIBRATION SERVICE – TIF SCALES

Advanced Engineering Ltd offers a test and calibration service on our range of TIF Scales – the only way to prove instrument reading accuracy: essential for preventing cylinder overfill and for accurately charging systems.

- **Calibrated scales are tested, cleaned and issued with a certificate.**

If you have any questions, we can be contacted on:

Tel: 01256 460300

Email: sales@advancedengineering.co.uk



INDEX

BY PRODUCT



CODE	PRODUCT	MANUFACTURER	SIZE	PAGE	CODE	PRODUCT	MANUFACTURER	SIZE	PAGE
S010410	3-flo kit	ADVANCED		15	S010032GB	ProTect	ADVANCED	1L	25
S080037GB	AC-Pro F-Gas	ADVANCED	60 labels	27	S010032GB	ProTect	ADVANCED	5L	25
S145023GB	Advanced vacuum pump oil	ADVANCED	-	30	S010139	Pump Assembly	ADVANCED	-	27
S080030GB	Air Conditioning Service Reports	ADVANCED	50 sheets	27	S050004GB	PyroCool	ADVANCED	1L	29
S010157GB	All-White	ADVANCED	400ml	10	S050020GB	PyroCool	ADVANCED	250ml	29
S010262GB	AllSafe	ADVANCED	5L	15	S050021GB	PyroCool	ADVANCED	500ml	29
S010262GB	AllSafe RTU	ADVANCED	5L	15	S160027GB	RDHA-1	ADVANCED	-	6 & 19
S010299GB	AllSafe RTU	ADVANCED	1L	15	S080031GB	Refrigerant Tracking Reports	ADVANCED	50 sheets	27
S080028GB	Breakdown Report	ADVANCED	50 sheets	27	S080028GB	Refrigeration Service Reports	ADVANCED	50 sheets	27
S080033GB	Commissioning Reports	ADVANCED	50 sheets	27	S010138	Replacement Seal Kit	ADVANCED	-	27
S010165GB	CondenCide	ADVANCED	20L	6	S010173GB	RTU BU	ADVANCED	1L	29
S010166GB	CondenCide	ADVANCED	5L	6	S010191GB	RTU CC	ADVANCED	5L	7
S010232GB	CoolSafe	ADVANCED	5L	13	S010195GB	RTU CC	ADVANCED	1L	7
S010233GB	CoolSafe RTU	ADVANCED	5L	13	S010210GB	RTU CC	ADVANCED	20L	7
S010234GB	CoolSafe RTU	ADVANCED	1L	13	S010176GB	RTU EC	ADVANCED	1L	6
S010447	D10 Ultimo	ADVANCED	5L	31	S010193GB	RTU EC	ADVANCED	5L	6
S010446	D10 Ultimo	ADVANCED	1L	31	S010212GB	RTU EC	ADVANCED	20L	6
S010448	D10 Ultimo Empty mixing bottles	ADVANCED	1L	31	S010192GB	RTU ECD	ADVANCED	5L	6
S010188GB	DrainKleen	ADVANCED	5L	8	S010196GB	RTU ECD	ADVANCED	1L	6
S010106GB	DrainKleen one shot	ADVANCED	250ml	8	S010211GB	RTU ECD	ADVANCED	20L	6
S010257GB	DrainSafe	ADVANCED	500ml	15	S170000GB	SafeGarde SG1	ADVANCED	1L	19
S010264GB	DrainSafe	ADVANCED	5L	15	S170001GB	SafeGarde SG2	ADVANCED	1L	19
S010127GB	EasyCare	ADVANCED	600ml	6	S170002GB	SafeGarde SG3	ADVANCED	1L	19
S010128GB	EasyClean	ADVANCED	600ml	5	S010147GB	ScalePro	ADVANCED	5L	25
S010129GB	EasyCoat	ADVANCED	600ml	25	S010336GB	ScalePro	ADVANCED	20L	25
S010130GB	EasyFind	ADVANCED	400ml	29	S090004	SmellyJelly Apple	ADVANCED	Size 1	9
S010131GB	EasyFinish	ADVANCED	600ml	10	S090019	SmellyJelly Apple	ADVANCED	Mini	9
S010132GB	EasyFoam	ADVANCED	600ml	7	S090002	SmellyJelly Citrus	ADVANCED	Size 1	9
S090049GB	EasyFresh	ADVANCED	ml	9	S090017	SmellyJelly Citrus	ADVANCED	Mini	9
S010151GB	EasyWipes	ADVANCED	1pk (50 wipes)	10	S090003	SmellyJelly Floral	ADVANCED	Size 1	9
S010365GB	Easywipes (box)	ADVANCED	8 pks	10	S090018	SmellyJelly Floral	ADVANCED	Mini	9
S010167GB	EnviroCoil	ADVANCED	5L	5	S090008	SmellyJelly Mixed	ADVANCED	Size 1	9
S010312GB	EnviroCoil	ADVANCED	20L	5	S090022	SmellyJelly Mixed	ADVANCED	Mini	9
S010406	FroZone	ADVANCED	5L	13	S090006	SmellyJelly Morning	ADVANCED	Size 1	9
S010304GB	Guardian	ADVANCED	500ml	9	S090020	SmellyJelly Morning	ADVANCED	Mini	9
S010141	Handle Assembly	ADVANCED	-	27	S090007	SmellyJelly Moutain Fresh	ADVANCED	Size 1	9
S010168GB	HidroX	ADVANCED	5L	25	S090021	SmellyJelly Moutain Fresh	ADVANCED	Mini	9
S010208GB	HidroX	ADVANCED	1L	25	S010206GB	StayClean	ADVANCED	500ml	9
S010213GB	HidroX	ADVANCED	20L	25	S010105GB	StayClean Mini Tablets	ADVANCED	1 pk-20 tablets	8
S010181GB	HydroCoil	ADVANCED	5L	6	S010111GB	StayClean Mini Tablets Bulk	ADVANCED	1kg	8
S010164GB	HydroFoam	ADVANCED	5L	7	S010310GB	StayClean Strips (large)	ADVANCED	size 2	8
S010183GB	HydroKleen	ADVANCED	5L	7	S010307GB	StayClean Strips (small)	ADVANCED	size 1	8
S010107	HydroSprayer	ADVANCED	8L	27	S010171GB	SuperClean	ADVANCED	5L	7
S010376GB	HydroSprayer	ADVANCED	5L	27	S010389GB	VerteX	ADVANCED	5L	5
S010169GB	Ice 'n' Clean	ADVANCED	5L	21					
S010209GB	Ice 'n' Clean	ADVANCED	1L	21					
S010342GB	Ice 'n' Clean	ADVANCED	20L	21					
S010148GB	Ice 'n' Clean one shot	ADVANCED	250ml	21					
S080029GB	Installation Reports	ADVANCED	50 sheets	27					
S010370GB	Jally Strips	ADVANCED	50 strips	14					
S010386GB	Jally Strips	ADVANCED	50 strips	14					
S010140	Lance Assembly	ADVANCED	-	27					
S080036GB	Mixed Pads	ADVANCED	50 sheets	27					
S080032GB	Parts Requests Reports	ADVANCED	50 sheets	27					
S080035GB	Pipe Strength and Tightness Reports	ADVANCED	50 sheets	27					
S010142	Pressure Relief Valve	ADVANCED	-	27					





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