



REFRIGERANTS, OILS & CLEANING CHEMICALS



M
SECTION

Refrigerants

Over the last decade, refrigerant gas has fast become a minefield subject to navigate. Now faced with a multitude of options driven by F-GAS legislation and the need for lower GWP, refrigerants including A2L, Hydrocarbon and CO₂ meaning engineers have to deal with flammability and high pressure issues more than ever.

Choosing the correct refrigerant for your application has never been tougher but with FSW to help guide you through the process you are not alone in navigating that minefield. FSW help make sense of the issues engineers face. So when it comes to refrigerant gas whether that's advice on which refrigerant is best on a new install or retro-fitting existing equipment FSW are here to help.

HFC Grade Refrigerants

REFRIGERANT	GWP	ASHRAE CLASS	FLAMMABILITY
R134a	3922	A1	No
R407A	2107	A1	No
R407C	1774	A1	No
R407F	1825	A1	No
R410A	2088	A1	No
R507	3985	A1	No
R508B	13396	A1	No
R23	14800	A1	No

HFC Grade - Replacement Refrigerants

REFRIGERANT	GWP	ASHRAE CLASS	FLAMMABILITY
R422D	2729	A1	No
R437A	1805	A1	No
R417A	2346	A1	No
R442A	3143	A1	No
R13B1	3805		
R438A	2252	A1	No
R426A	1508	A1	No
R424A	2440	A1	No
R434A	3238	A1	No
R442A	1888	A1	No
R428A	2999	A1	No

HFC Grade - Low GWP Refrigerants

REFRIGERANT	GWP	ASHRAE CLASS	FLAMMABILITY
R448A	1387	A1	No
R449A	1397	A1	No
R452A	2140	A1	No
R32	675	A2L	Yes (Low)
R513A	631	A1	No

Hydrocarbon Refrigerants

REFRIGERANT	GWP	ASHRAE CLASS	FLAMMABILITY
R1270	2	A3	Yes
R290 (Propane)	3	A3	No
R600a (Isobutane)	4	A3	No

HFO Refrigerants

REFRIGERANT	GWP	ASHRAE CLASS	FLAMMABILITY
R1234yf	4	A2L	Yes (Low)
R123zd(E)	4.5	A2L	Yes (Low)

Refrigerants

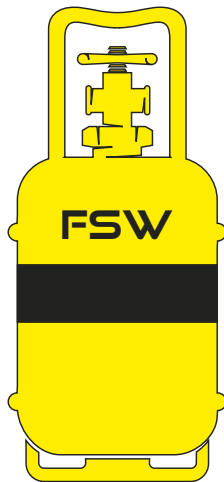
Carbon Dioxide CO₂

CO₂ cylinders available with liquid or vapour charge in various fill weights. For conditions of cylinder loan please see the information section C.O.S.H.H. regulations apply, please ask for a copy.



CO₂ TYPE & CYLINDER SIZE

Contact FSW as we offer various cylinder size options available filled with either vapour or liquid CO₂.



REFRIGERANT GAS

RECOVERY & RECLAIM
SERVICE

FSW Refrigerant Reclaim & Recovery Service

FSW offer cylinders for the sole purpose of returning used or reclaimed refrigerant and therefore normal refrigerant cylinders must not be used for transporting used material. A non-return valve is fitted to prevent the use of normal cylinders for reclaim; removal of this device will incur a charge.

We only offer this service to customers who purchase refrigerants from us and who are registered for F-Gas with one of the three governing bodies - Refcom, Bureau Veritas or Quidos.

With regards to company F-Gas certification, the Environmental Services Agency are taking this matter very seriously and will prosecute any company or individual that does not comply with government rules and regulations.

When refrigerant is removed from a system it becomes chemical waste and is covered by that legislation. We can only offer reclaim cylinders to customers that are able to collect from our branches or fall within our normal van delivery network. This is because most carriers will not handle chemical waste.

The cylinder must be returned with a completed hazardous waste consignment note. Waste refrigerant can only be transported in the appropriate cylinder and with the waste consignment note filled in correctly.

Refrigerant Recovery & Receiver Cylinders

DESCRIPTION

Reclaim cylinders for returning used or reclaimed refrigerant.

Recovery cylinders for temporarily holding refrigerant allowing repair or maintenance to system.

Please note: These cylinders must be returned empty.

Hydrocarbon Refrigerant Receiver Cylinder

DESCRIPTION

Receiver cylinders available for hydrocarbons but usually with a reduced fill weight due to the density of H/C's, Designed for use with both R600a (Isobutane) and R290 (Propane) and R1270 (Propylene).

Cylinder is labelled 'Hydrocarbon Refrigerants Only'.



Refcom Approved Digital Scales Calibration Check Centre



FSW

Refcom Approved Scales Calibration Check Centres.

FSW Where you need us - When you need us

For full details of this FREE service, see overleaf.

FSW Refcom Approved Calibration Check Centres.

All 24 FSW Branches in The UK have been Officially Approved by Refcom to carry out calibration checks on digital scales used in the RAC industry, and it's FREE.

FSW do not calibrate or re-calibrate scales, it is simply a check to confirm if they are within the tolerances set out by Refcom to comply with their audit criteria.

Each FSW branch stocks a set 3 calibrated weights - 1kg, 5kg and 20kg. Each branch has its own certificate of calibration for the weights.

FSW staff will place the 1kg weight on your scales and if it's within the tolerance limit of +/- 20grams, it passes, they repeat this test with the 5 and 20kg weights. If the scales falls within the tolerances for ALL three weights it passes, if not, it fails.

After the calibration check FSW will issue a copy of the calibration check certificate via email as a record for the customer to use for Refcom audit requirements.

Refcom advise this calibration check should be carried out annually.

As with many electronic products, digital scales have also become a disposable item. FSW can send some machines for re-calibration if they fail the test, but checks need to be made with the calibration company to ensure calibration of any particular model can be undertaken. All prices quoted individually.

The re-calibration cost is approx £85.00 + VAT including carriage both ways. New scales start from approx £150 + VAT

FSW branches will endeavour to calibration check scales whilst you wait without appointment, but this will not always be possible during busy times. So please be prepared to leave your scales with us until we complete the test. For further information on this service please contact Robin Green, FSW Refrigeration Marketing & Product Manager on 07740 368952.

FSW Where you need us - When you need us

SELF CERTIFICATION FOR CHECKING CALIBRATION OF WEIGHING DEVICES

Company Name: _____ Engineer Name: _____

DATE/TIME OF TEST	TEMP AT TIME OF TEST (°C)	DEVICE NAME	DEVICE SERIAL NO.	CONTROL WEIGHT	ACTUAL READING	PASS / FAIL	INITIALS OF TESTER AND BRANCH LOCATION	NEXT TEST DATE

CERTIFIED WEIGHT (KG)	TOLERANCE LIMIT +/-	TOLERANCE WEIGHT (G)
1	0.02	20
5	0.1	100
20	0.4	400

Date: _____

Self Certification for Checking Calibration of Weighing Devices
V5

Secondary Refrigerant (Glycol)

GLY-COOL® (MEG) is a high performance, Monoethylene Glycol (MEG) based, heat transfer fluid designed for secondary refrigerant and industrial cooling applications. GLY-COOL (MEG) fluids have been specifically designed to deliver high resistance to degradation, scale, bacterial growth and corrosion.

GLY-COOL® (MEG) - Mono Ethylene Glycol

CODE	CONTAINER SIZE
M406	25 kgs containers

GLY-COOL+® (MPG) is a high performance, Monopropylene Glycol (MPG) based, heat transfer fluid designed for use in indirect cooling in food processing and beverage cooling applications. GLY-COOL+ (MPG) fluids have been specifically designed to deliver higher resistance to degradation, scale, bacterial growth and corrosion.

GLY-COOL® (MPG) - Mono Propylene Glycol

CODE	CONTAINER SIZE
M407	25 kgs containers



Industrial Gases

For conditions of cylinder loan please see the information section. C.O.S.H.H. regulations apply, please ask for a copy.

Oxygen Free Nitrogen

OFN (Oxygen Free Nitrogen) is available in 3 sizes 10, 30 or 40 litres.

CYLINDER SIZE
10 Litre
30 Litre
40 Litre



BRAZE-A-GAS® Oxygen and Acetylene

Braze-A-Gas range of oxygen and acetylene from A-Gas. The professional engineer's choice for brazing copper tubes together in refrigeration and air conditioning systems.

Oxygen and Acetylene cylinders available in 2 sizes 5 or 10 litres.

CODE	CYLINDER SIZE
M605	5 Litre Oxygen
M606	10 Litre Oxygen
M589	5 Litre Acetylene
M590	10 Litre Acetylene



TRACE-A-GAS®

Trace-A-Gas is a premium leak detection solution. Trace-A-Gas is a 5% Hydrogen and 95% Nitrogen mixture which is non-flammable, non-toxic and safe for the environment. When used with a suitable electronic leak detector, Trace-A-Gas will enable engineers to detect much smaller leaks than they can with oxygen free Nitrogen and a leak detection spray. See Q section for details of the CPS LS II and the GasMate electronic leak detectors, both suitable for use with Trace-A-Gas.

CODE	CYLINDER SIZE
M4000	10 Litre
M4002	30 Litre



Refrigerant Analysis

The A-Gas laboratory has been constructed and equipped under strict guidelines of AHRI 700 testing requirements. A-Gas provides refrigerant analysis services through our state-of-the-art on site laboratory. Our analysis services enable end users to identify the refrigerant in a system and detect potential contaminant levels.

Our refrigerant analysis kit includes a sample cylinder, complete with full instructions and a submission form. A minimum sample of 500g is required for an accurate analysis and the instruction form must be filled in and returned to A-Gas with the sample. The analysis test results will indicate problems with oil residue, moisture, acidity, composition, purity, non-condensables and R40 (Methyl Chloride).

Oil Analysis

Oil analysis can provide early warning of potential problems by identifying concentrations of metals and other contaminants in the oil. This can avoid unscheduled downtime and also prevent damage to equipment. Our oil analysis kit contains a small bottle to take the oil sample and an instruction form which both need to be returned to A-Gas for analysis to take place.

CO₂ Analysis

Refrigeration systems that contain Carbon Dioxide (CO₂/R744) require strict controls on moisture, oil and other contaminants. Our CO₂ analysis service enables end users to identify the purity and moisture levels of the product in the system. Our analysis cylinders have been designed specifically for liquid CO₂ samples to be charged into the cylinder and our laboratory facilities have been set up to handle the analysis based on the specifications set by the industry standard. The correct sampling techniques and appropriate cylinders are essential for obtaining a meaningful analytical result (a standard refrigerant analysis cylinder is not suitable for this use). For further information on our CO₂ analysis service please consult you local FSW.

CODE	ANALYSIS KIT
M4400	Refrigerant Analysis Kit
M4402	Oil Analysis Kit
M4401	CO ₂ Analysis Kit



Refrigerant Oil Disposal Service

You can now pick up a clean, empty 10 litre portable container from your local FSW branch as and when needed or keep on your van ready to fill with waste oil when required.

When it's full, simply return the container with no more than 10 litres of oil* and we will return it to A-GAS® for safe and responsible disposal.

You can mix different types of refrigeration oil into the container, however the container is not suitable for oils containing CFCs and/or Ammonia.

The container is considered disposable so there are no rental charges, you simply pay one price when you collect it and return when it's full, or when you have finished with it.

In order to use this service, you will be required to fill in a Hazardous Waste consignment note with each return. A Hazardous Waste note with oil section is now available from FSW branches.

CODE	DESCRIPTION
M4405	10 Litre Waste Oil Container

*Containers are not to be filled over the 10 litre max fill weight. Additional charges may apply if you over fill the container or we reserve the right to reject and return the container.



System Flushing Agents

AK Flush

AK Flush has been developed specifically for flushing refrigerant and air conditioning systems to remove unwanted contaminants reducing the chance of future system failures. AK Flush contains a range of polar solvents that dissolve and remove oil along with particulates, sludge, acids, carbon residues and moisture thus avoiding compressor damage. For use after a compressor burnout, or when carrying out an oil change.

AK Flush is delivered in a pressurised cylinder and comes complete with a waste receptacle. The cost of waste destruction is included in the initial price making AK Flush a complete and easy to use solution as well as being environmentally friendly. Non-toxic and non-ozone depleting but can be flammable under certain conditions. AK Flush has a CO2 propellant at 10 bar that pushes solvent through a system. A 5kg AK Flush pack is sufficient to effectively clean up to a 50Kw system

A-GAS[®]
TOGETHER WE CAN



CODE	DESCRIPTION
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M208	AK Flush includes 1 x 5kg Pressurised Cylinder plus a metal receptacle for waste product to be returned for disposal
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Diversitech Pro-Flush™ Flushing Kit

Pro-Flush™ Refrigerant Line Cleaner is a solvent based product for use in cleaning any refrigeration and AC systems. Simply fill the reusable tank with the solvent included and blow through the contaminated system using your own OFN and regulator. The refillable cylinder has a PRV that vents at 200psi preventing over pressurisation of cylinder. The kit includes: reusable tank. 475ml of pro-flush, hose and injector trigger nozzle. Great for service engineers on smaller systems such as service cabinets and split systems etc.



CODE	DESCRIPTION
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M449	Pro-Flush Kit
M448	Pro-Flush Refill (475ml)

Gallo Gun

The Gallo Gun is a lightweight, portable tool designed to blow out condensate drain lines instantly. Simply insert a SWOOSH CO2 cartridge into the Gallo Gun and with a press of the trigger, 800 psi of oil free air clears the line.

CODE	DESCRIPTION
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M412	Gallo Gun (excludes cartridges)
M413	Gallo Gun Cartridges (Box of 12)



AC-Pro F-Gas System Labels

The F-Gas regulations require that all stationary refrigeration, air conditioning and heat pump equipment commissioned after the 31st of March 2008 be labelled with the type of refrigerant used and the total system charge. Labels let you record the total system refrigerant charge. Keep a refrigerant leak check record. Water and weather resistant.

The pack contains everything that you need, including:-
30 x System charge adhesive labels
30 x Refrigerant leak check record adhesive labels
1 x Marker pen



CODE	DESCRIPTION
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M085	AC-Pro F-Gas System Labels
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Refrigerant Accessories

Refrigerant Cylinder Adapters

CODE	DESCRIPTION
M012	1/4" Refrigerant Cylinder Brass Adapter (including fibre washer)
M009	3/8" Refrigerant Cylinder Brass Adapter (including fibre washer)
M013	Fibre Washer (for above brass adaptor)
M014	Refrigerant Cylinder Adapter (Nylon) including Gasket
M015	1/4" Refrigerant Cylinder Adapter (Brass) Left handed thread to suit all red topped cylinders includes PTFE Gasket



Refrigerant Can Adapter Valve

Valve to suit disposable refrigerant cans like R290, R600a.

CODE	DESCRIPTION
M016	Can Adaptor Valve to suit Disposable Refrigerant Cans



Self Adhesive Hazard Warning Labels

Self adhesive "Hazard Warning" labels for compressed and flammable gas in 2 size options: 100 or 200 mm square.

CODE	DESCRIPTION
M092	Green Compressed Gas Label 100 x 100 mm
M093	Red Flammable Gas Label 100 x 100 mm
M094	Green Compressed Gas Label 200 x 200 mm
M095	Red Flammable Gas Label 200 x 200 mm



AC-Pro™ Stationery Pad

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 those worried about their legal F-Gas duties.

AC-Pro report pads cover the wide spectrum of jobs which must now be recorded by law. Whether it's a service, breakdown, installation or commission, a purpose-built form is at hand to keep client equipment log books up-to-date – including the right details to exceed current regulations.

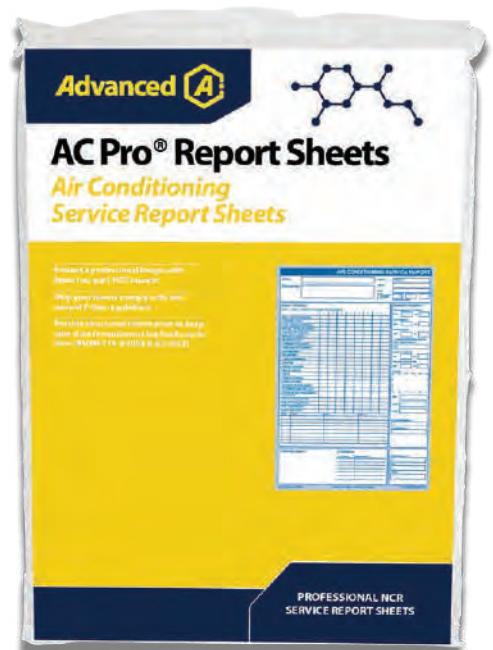
Eliminating the need for costly bespoke stationery or software, the record sheets present clients with a professional image – at a fraction of the cost – and simply need to be kept on file to complete the paper trail the law requires.

Meanwhile, because the two-part reports are carbonated, the system also simplifies invoicing and enhances customer service, encouraging faster payments from customers.

Now, fulfilling the legislation really is as simple as ticking the boxes!

CODE	DESCRIPTION
M086	AC-Pro Air Conditioning Service Report Sheets
M087	AC-Pro Refrigeration Service Report Sheets
M088	AC-Pro AC Installation Report Sheets
M089	AC-Pro Breakdown Report Sheets
M096	AC-Pro Refrigerant Cylinder Tracking Report Sheets
M099	AC-Pro Commissioning Report Pad

Advanced



EasyFinish™ Fascia and Case Cleaner

EasyFinish™ is a diffuser and case cleaner specially formulated to remove nicotine, grease and general grime, allowing engineers to leave everything clean and tidy. Suitable for most air conditioning units. Safely removes finger marks from plastic and metal casework.

CODE	DESCRIPTION
M490	EasyFinish Fascia & Case Cleaner (600 ml Aerosol)



Big Wipes

Big Wipes are industrial-strength, multi-purpose, antibacterial cleaning wipes designed for use by anyone who needs a very tough, highly tear resistant, very absorbent and immediate on-hand cleaning product.

CODE	DESCRIPTION
M441	Big Wipes (Tub of 80 Wipes)



EasyWipes

EasyWipes™ are professional formulation hand wipes containing powerful yet safe cleaning agents. These convenient wipes loosen, dissolve and absorb dirt, grease, grime, oil, paint and tar.

CODE	DESCRIPTION
M442	EasyWipes (Pack of 50 Wipes)



Ultragrime Wipes

Ultragrime are the biggest and best wipes you can buy. Use these dirt eating wipes all day, every day on your hands, tools and many other surfaces, including fabric and upholstery. They effortlessly cut through oil, grease, ink, paint, silicone, bitumen, adhesives, uncured PU foam and other stubborn, ground-in grime – they're your ultimate cleaning companion!

CODE	DESCRIPTION
M444	Ultragrime Pro XXL Multi Use Cloth Wipes (Pack of 100)



WypALL® Paper Towels and Blue Roll

WypAll® Plus towels easily absorb grease, oil, water and solvents from floors, hands, parts, tools and machinery. Tough enough for extra heavy jobs, they come in a convenient pop-up box of 100 towels. Blue Tissue Roll approx 120 m long, 2 Ply Perfect for everyday cleaning and maintenance work.

CODE	DESCRIPTION
M443	Blue Roll (120 m Approx)
M440	WypAll-Plus Heavy Duty Paper Towels (Pack 100)



WD-40 Multi Use Maintenance Spray

WD-40 is an all purpose liquid for displacing moisture, corrosion control, lubrication, cleaning and penetration. It has the ability to penetrate the minute grain boundaries on all metals.

CODE	DESCRIPTION
M180	WD-40 Aerosol (400 ml)



Rectorseal Epoxy Putty

Epoxy Putty bonds to most surfaces and hardens in 15 to 20 minutes. It can then be sanded, painted, drilled, taped, and/or machined.

CODE	DESCRIPTION
M170	Rectorseal EP-200 Epoxy Putty



Errecom Oil Test Kit

The Errecom Oil Test Kit allows you to identify within seconds the type of lubricant in your system, in two short steps it is possible to identify POE, mineral or alkyl benzene oil. Compatible with all refrigerants.

Kit contains 2 tests. Not recommended for automotive a/c systems using PAG oils.



CODE	DESCRIPTION
M243	Errecom Oil Test Kit

Acid Test Kits

Errecom Acid-Test Set

The Errecom Acid Test Set is indispensable for quickly and accurately testing refrigeration lubricants for acid contamination levels. Works well with ALL lubricants (POE - ABZ- PAO - PAG - Mineral).

Accurate results in seconds. Easy to use and read. No need to buy separate POE and Mineral Oil Acid test this one kit does it all!

The plastic box contains 4 tests.



CODE	DESCRIPTION
M334	Errecom Acid Test (Plastic storage box containing 4 oil tests)

Diversitech Acid Test Kits

The ATK-1 for alkyl benzene and mineral oil and the ATK-1P Acid Test Kit for POE oil provides a quick and reliable way to test for excessive acid in the system. Simple to use one step process means there are no chemicals to mix. Easy to evaluate the results as the colour intensity indicates the amount of acid present in the sample. Individual test pack. Simple one step test.



CODE	DESCRIPTION
M154	Diversitech ATK-1 Acid Test Kit for Mineral Oils
M155	Diversitech ATK-1P Acid Test Kit for Polyolester Oils

Test-All TA-1 Acid Test Kit

TA-1 acid compact test kit offers you a simple way to test different kinds of lubricant. TA-1 uses a simple scientific method capable to precisely measure the amount of acid in a lubricant sample taken from a contaminated system. The TA-1 has pre-measured solutions supplied in bottles with screw caps for easy handling. Multi lubricant testable, Mineral, Alkyl benzene, POE. Reliable and accurate one shot test.



CODE	DESCRIPTION
M157	Parker Sporlan TA-1 Acid Test Kit

QwikCheck® Acid Test Kit

QwikCheck is a fast and effective way to check for acid in air conditioning and refrigeration circuits, which can lead to system burnouts. The yellow to red colour change is an easily visible indicator. Unlike other methods, QwikCheck is clean, fast (just 5 seconds) and is safe to use on nearly ALL refrigeration systems.



CODE	DESCRIPTION
M470	QwikCheck Acid Test Kit

Errecom No-Acid

No-Acid completely neutralises and eliminates acid present in AC&R systems. Acids are often caused by moisture, compressor burn-out and lubricant breakdown, once injected No-Acid acts immediately, preventing acids from forming. Perfect for adding to system after fitting a replacement compressor. No-Acid is compatible with all types of refrigerant gas & refrigerant lubricants. Supplied in a pack of 6 x 12 ml easy to use syringes.



CODE	DESCRIPTION
M335	Errecom No-Acid for all oil types (Pack of 6 x 12ml Syringes)

Rectorseal Acid Away®

Acid-Away® is a unique patented chemical treatment for use in air conditioning and refrigeration systems that have experienced a burnout, or operating systems that are showing a build up in acid content. It circulates quickly throughout the system, neutralizes acids in the system after a burnout occurs. Once neutralized, this acid can no longer continue its corrosive attack and cause another burnout.



CODE	DESCRIPTION
M162	Acid Away for Mineral Oil
M163	Acid Away for POE Oil

Errecom FixQuick External Leak Stop

FIXQUICK is the new ultra-fast leak stop by Errecom, specifically formulated to repair in max 30 seconds leaks up to 1 mm in diameter on flat and curved surfaces. It guarantees a seal up to 50 Bar pressure and 250°C. It can be used on metals and plastic components of AC/R systems. Its fluorescent formulation allows to easily check the status of the performed fixing using a UV lamp and to identify any previous repairs. Wait 20 min for a repair that can withstand a pressure of 50 Bar.



CODE	DESCRIPTION
M267	Errecom FixQuick External Leak Stop

Sealpro - Leak Stop Sealant

Seal Pro permanently and quickly seals refrigerant leaks up to 300 microns. It gives HVACR engineers a powerful chemical tool, especially when repairing older installations in which small persistent leaks cannot be identified. Seal Pro contains no refrigerant, no propellant and no dyes in its hermetic long-life vacuum canister, so it works with all common refrigerants, HFCs, HCs, HFOs, and blends including R410a & R32.



CODE	DESCRIPTION
M190	Sealpro HVACR 1.5 Tons (5 kw)
M191	Sealpro HVACR 1.5 - 5 Tons (5 - 18 kw)
M192	Sealpro HVACR 5+ Tons (18+ kw)

Extreme & Extreme White Ultra- Leak Sealant

EXTREME is specifically designed for the safe repair of small refrigerant gas leaks that frequently occur all types of AC&R systems including automotive AC. The critical ingredients of Extreme are triggered into action only when there is a leak, mechanically building a flexible permanent seal.

EXTREME ULTRA WHITE is an essential product, specifically designed to solve all the problems related to refrigerant gas micro leaks that occur in refrigerators with hermetic compressor with R600, R290 and R1234a refrigerant gases (domestic and industrial refrigerators, wine cellars, beverage dispensers, ice cream refrigerators etc. Dosage: 6 mL every 200 mL of compressor oil.



CODE	DESCRIPTION
M330	Errecom Extreme (Pack of 6 x 12 ml Syringes)
M262	Errecom Extreme White Ultra (Pack of 1 x 6 ml Syringes)

NEW Extreme White Ultra is suitable for R600 & R290 refrigerants.

Errecom Super Dry - Anti Moisture Additive

Super-Dry is a dehydrating additive that prevents the creation of moisture in AC&R systems. Super-Dry contains special chemicals that improve the lubricant stability and prevent creation of moisture in the system. Super Dry is compatible with all types of refrigerant gas and refrigerant lubricants. Super-Dry can be added to a system suffering moisture problem's or added from new to prevent moisture. Supplied in a pack of 6 easy to use 12 ml syringes.

1 x 12 ml syringe is capable of treating a 6 kw system with up to 1.8kg of refrigerant making it a cost effective anti moisture solution.

CODE	DESCRIPTION
M332	Errecom Super Dry (Pack of 6 x 12ml Syringes)



*See Errecom Products Dosing chart at end of Section M for dosing systems up to 75 kw

Errecom Cool-Shot Performance Enhancer

Cool-Shot is the ultimate system performance enhancer. It contains two synthetic catalysts that removes all the old oils coating and insulating the insides of the evaporator and condenser.

- Improves coil heat transfer by up to 73%
- Increases cooling capacity by 20-30%
- Offers a minimum 20% energy saving
- Delivers improved air off temps (by approx 2-4 °C)
- Cool Shot is compatible with all types of refrigerant gas & refrigerant lubricants.

1 x 12 ml syringe is capable of treating a 6 kw system with up to 1.8kg of refrigerant making it a cost effective anti moisture solution.

CODE	DESCRIPTION
M331	Errecom Cool-Shot (Pack of 6 x 12ml Syringes)



Cool Shot is more effective on older AC&R systems that have built up an oil coating over time.

*See Errecom Products Dosing chart at end of Section M for dosing systems up to 75 kW

Anti Corrosive Coil Treatments

Errecom No-Age Protective Coil Coating

No-Age is a ready-to-use protective treatment designed for all those systems that are exposed to highly oxidising environments (seaside or heavily polluted sites) where salt and acid rain significantly reduce the life of the condenser coil.

How does it work?

Once you have cleaned the condenser with either an acid or alkaline based condenser cleaner. Simply spray No-Age directly onto the coil. No-Age generates a microfilm that does not limit the heat exchange of the condenser coil, but reduces the ability of dirt (such as salt and smog) to cling to the surfaces, protecting the metals thanks to its anti-corrosive barrier.

CODE	DESCRIPTION
M244	No-Age Ready-to-Use Trigger Spray (1 Litre)
M245	No-Age Ready-to-Use (5 Litre)



EasyCoat™ Protective Coil Coating

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, oils resistant formulation ensures long-term protection for your air conditioning and refrigeration systems.

CODE	DESCRIPTION
M485	EasyCoat Protective Coil Coating (500 ml Aerosol)



Refrigeration & AC Chemicals

We stock an extensive range of cleaning and specialist chemicals for the refrigeration and air conditioning industry. From acid and alkaline based to solvent cleaning chemicals and because the range is so vast we have categorised the chemicals into groups, condenser, evaporator, universal and odour control chemicals to make it a little easier to identify which chemical suits your requirements.

Condenser Cleaners

SuperClean™ Heavy Duty Alkaline Condenser Cleaner

SuperClean™ is quite simply the strongest alkaline based condenser 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. Powerful foaming action, brightens the coil and inhibits further oxidation. 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. (Supplied in 5 litre concentrate, requires dilution).

CODE	DESCRIPTION
M467	SuperClean Heavy Duty Condenser Cleaner (5 Litre)



Errecom 'Best Acid CC' Condenser Cleaner

Best Acid CC is a specific acid-based liquid treatment that deeply removes incrustations from the finned coils of condensers on refrigeration, air conditioning and transport air conditioning. Supplied in 5 litre concentrate, requires dilution.

CODE	DESCRIPTION
M237	Best Acid CC Acid Condenser Cleaner (5 Litre)



HydroFoam® Acid Condenser Cleaner

HydroFoam® is an ultra heavy-duty cleaner for condenser coils. As such great care must be taken with its application. If user safety is a priority with your condenser cleaner then Advanced Engineering recommends SuperClean™ - a safer high strength alternative (see product above). Supplied in 5 Litre concentrate, requires dilution.

CODE	DESCRIPTION
M464	Hydrofoam Alkaline Condenser Cleaner (5 Litre)



RTU® Ready-to Use Condenser Cleaner

RTU® from Advanced Engineering is a convenient ready-to-use condenser cleaner 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.

CODE	DESCRIPTION
M450	RTU Condenser Cleaner (1 Litre) Trigger Spray Bottle
M456	RTU Condenser Cleaner (5 Litre) Container



Aerosol Condenser Cleaners

Errecom Power-Clean-Out gives a high pressure blast of chemical to clean out even the dirtiest and hard to reach condensers.

EasyFoam® is a heavy duty ready-to-use cleaner for use on condenser coils. Its foaming formulation and powerful aerosol jet make it ideal for removing stubborn dirt from deep within the problem coils.

CODE	DESCRIPTION
M232	Power Clean-Out High Pressure Cond Cleaner Aerosol (750 ml)
M488	EasyFoam Foaming Aerosol Condenser Cleaner (600 ml)



Condenser Cleaners

Errecom 'Chisel' Alkaline Condenser Cleaner

'Chisel' is a specific alkaline-based liquid treatment with anti-corrosion ability that cleans and deeply degreases the dirt that sets within the finned coils of condensers on refrigeration, air conditioning, transport air conditioning and refrigeration.

Supplied in 5 litre concentrate, requires dilution.

CODE	DESCRIPTION
M234	Chisel Alkaline Condenser Cleaner (5 Litre)



Errecom 'Best' Alkaline Condenser Cleaner

Best Cond Cleaner is a specific alkaline-based liquid treatment that cleans and deeply degreases the dirt that sets within the coils of the condensers on refrigeration, air conditioning and transport air conditioning and refrigeration.

Supplied in 5 litre concentrate, requires dilution.

CODE	DESCRIPTION
M238	Best Alkaline Condenser Cleaner (5 Litre)



Errecom 'Restore' Alkaline Condenser Cleaner

Errecom 'Restore' is a specific fast acting and effective chemical product formulated to completely clean condensers.

This product has a mildly perfumed smell.

Supplied in 1 litre pre diluted ready-to-use trigger spray bottle.

CODE	DESCRIPTION
M233	Restore Alkaline Condenser Cleaner (1 Litre)



Errecom Eco-Restore Alkaline Condenser Cleaner (Biodegradable)

Eco-Restore is a alkaline based fast acting chemical product, with high biodegradability, formulated to clean condensers.

Will cope with cleaning severe dirt build up on condensers fins.

Suitable for frequent use. Supplied in 5 litre concentrate.

CODE	DESCRIPTION
M231	Eco-Restore Condenser Cleaner (5 Litre)



AdvancedGel CC (Condenser Cleaner)

As air is pulled through a condenser coil, small amounts of dirt deposit on the fins. Left untreated, a layer of dirt builds up over time – acting as an insulating blanket and restricting air flow. This prevents effective heat transfer, so the system has to work harder to dissipate the heat. Energy consumption increases, and the life of the system may be shortened. Avoid all these problems by using AdvancedGel CC, with its powerful cleaning and brightening action.

CODE	DESCRIPTION
M284	Advanced Gel CC Condenser Cleaner (490ml)



GreaseGobbler® Solvent Condenser Cleaner

GreaseGobbler™ is perfect for dissolving built up grease on condensing unit coils usually found in kitchens. GreaseGobbler™ is a no rinse, high powered solvent based condenser cleaner that quickly and easily removes heavy grease deposits in a matter of seconds.

CODE	DESCRIPTION
M135	GreaseGobbler Solvent Condenser Cleaner (400 ml)



Evaporator Cleaners

Errecom 'Jab' Evaporator & Plastics Cleaner

Errecom Jab is a specific fast-acting very low alkaline, effective scented chemical product, formulated to completely clean internal units. It acts both on the evaporator and on plastic surfaces without damaging them. Supplied in 5 litre concentrate & 1 litre ready-to use.



CODE	DESCRIPTION
M240	Jab Ready-To-Use Evaporator Cleaner (1 Litre)
M235	Jab Evaporator Cleaner (5 Litre Concentrate)

RTU® Ready-to-Use Evaporator Cleaner

RTU® evaporator cleaner is the ideal application as part of a regular maintenance programme. It is highly effective at removing all common types of dirt and debris, RTU® evaporator cleaner has a biodegradable formula that is very safe to use.

Supplied in 1 litre ready-to-use trigger spray.

CODE	DESCRIPTION
M454	RTU Evaporator Cleaner (1 Litre) Trigger Spray Bottle



Errecom 'Clench' Ready-to Use Evaporator Cleaner

Clench is an alkaline, scented chemical product, fast acting and effective. Formulated for cleaning evaporators. It is designed to eliminate possible corrosion and prevent the reformation. Supplied in 1 litre ready-to-use spray bottle. As efficient as an acid cleaner but more safe.

CODE	DESCRIPTION
M246	Clench Evaporator Cleaner (1 Litre) Trigger Spray Bottle



ERRECOM
AIR CONDITIONING & REFRIGERATION CHEMICAL SOLUTIONS

Errecom 'Power Clean-In' High Pressure Evaporator Cleaner

Power Clean-in from Errecom is a special aerosol can that has been designed to achieve a high and constant supply pressure that allows you to easily remove extreme dirt that accumulates between the fins of the evaporators. Particularly suitable for hard to reach evaporators.

CODE	DESCRIPTION
M230	Power Clean-in Evaporator Cleaner (600ml Aerosol)



ERRECOM
AIR CONDITIONING & REFRIGERATION CHEMICAL SOLUTIONS

CoolSafe® Evaporator Cleaner

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. Because 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.

CODE	DESCRIPTION
M254	CoolSafe Evaporator Cleaner (5 Litre)



Errecom 'Chinook' Air Filter Cleaner

Non aggressive towards the material. Ready to use, it quickly and effectively cleans. Easily removing smog, dust, mould and microbial contaminants, leaving a fresh fragrance of cleanliness. Chinook is an effective cleaner for standard indoor unit washable air filters. Safe for the operator and for the filters, leaving no harmful residues. Chinook is ready for use.

CODE	DESCRIPTION
M247	Chinook Air Filter Cleaner Ready-to-Use (1 Litre) Trigger Spray



ERRECOM
AIR CONDITIONING & REFRIGERATION CHEMICAL SOLUTIONS

HACCP Product

Indoor A/C Cleaning Covers



Errecom Wall Mounted A/C Cleaning Kit

Errecom's WALLY (pronounced wall-e) is a transparent disposable polyethylene cover that ensures complete protection of the area around the split unit during cleaning operations.

Thanks to WALLY the technician can clean the evaporator and its heat exchanger with minimum disassembly, leaving the split still attached to the wall.

Cleaners, rinsing water and dirt will flow into the 20 litre bucket without damaging the surrounding surfaces.

CODE	DESCRIPTION
M265	Errecom Wally Wall Mounted A/C Cleaning Kit Includes: 1 x bucket and 5 covers

NEW



Errecom Ceiling Cassette Cleaning Cover

Errecom's CEILY is a plastic cover with a metal frame specifically designed to guarantee the cleaning operation of ceiling air conditioner without dirtying the surrounding area.

CEILY comes complete in zipped access storage bag containing both the metal structure and one protective cover.
Bucket shown in Image NOT Included.

Advantages:

- No dirt on surrounding surfaces.
- Fast and easy installation.
- Spare plastic covers are available.



NEW



CODE	DESCRIPTION
M266	Errecom "Ceily" Ceiling Cassette A/C Cleaning Cover
M268	Spare plastic cover for "Ceily" A/C Cleaning Cover

Bucket shown is not included with the Ceily

Coolleo Wall Mounted A/C Cleaning Cover

Heavy-Duty re-usable waterproofed nylon covers from Coolleo are designed to help protect the surrounding area from splashes by collecting grime, dirt and mould etc whilst chemical cleaning wall mounted a/c units.

Also ideal for catching dust and debris when brushing clean the coils and casework etc.

Coolleo covers are available in 2 sizes:

- Medium to suit 2.5 to 5.2kW
- Large to suit 5.2 to 7.6kW



NEW



CODE	DESCRIPTION
M136	Coolleo Medium Wall Mounted A/C Cleaning Cover
M137	Coolleo Large Wall Mounted A/C Cleaning Cover

Evaporator Coil Cleaner & Disinfectant

CondenCide® Evap Cleaner & Disinfectant

CondenCide 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. It is the perfect coil cleaner for indoor units – it features a heavy duty formula that will thoroughly clean and disinfect. Supplied in 5 Litre concentrate, requires dilution.



**MAKES
25L**

CODE	DESCRIPTION
M468	CondenCide Alkaline Evaporator Cleaner 5 litre

RTU® ECD Evaporator Cleaner & Disinfectant

RTU® ECD evaporator cleaner and disinfectant has a highly effective cleaning action which improves the efficiency of your system, while its disinfectant ensures total hygiene. RTU ECD is supplied in 1 litre Trigger Spray and 5 litre container.



CODE	DESCRIPTION
M452	RTU ECD Evaporator Cleaner & Disinfectant (1 Litre)
M455	RTU ECD Evaporator Cleaner & Disinfectant (5 Litre)

SANIBACT (Evap Cleaner & Disinfectant)

Sanibact is the ultimate disinfectant as its perfect for cleaning and disinfecting evaporators whilst being suitable for HACCP planning. It is also suitable for food disinfecting surface areas (rinsing required). Highly concentrated as one litre dilutes to 25 litres of usable product.

**MAKES
125L**



**MAKES
25L**



**HACCP
Product**

CODE	DESCRIPTION
M264	Sanibact Concentrated Disinfectant (1 Litre) Trigger Spray
M236	Sanibact Concentrated Disinfectant (5 Litre)



AdvancedGel ECD (Evap Cleaner & Disinfectant)

AdvancedGel ECD is an evaporator cleaner and disinfectant which has been formulated to address concerns over indoor air quality. Its highly effective cleaning action improves the efficiency of your system, while its disinfectant ensures total hygiene. The improved formulation now includes a high-strength disinfectant that kills 99.9% of germs. This gives extra reassurance that the unit is safe and clean.



CODE	DESCRIPTION
M283	Advanced Gel ECD - Evap Cleaner & Disinfectant (490ml)

EasyCare® (Evap Cleaner & Disinfectant)

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 air conditioning system, while its disinfectant ensures total hygiene and the reassurance that the unit is safe and clean.



CODE	DESCRIPTION
M264	Easycare EvapCleaner & Disinfectant (600 ml Aerosol)

Disinfectants

Errecom Sanibact Concentrated Disinfectant

Sanibact is highly concentrated disinfectant suitable for both evaps and food surface areas. Now available in both 1 and 5 litre containers that requires diluting to 1:25, so 1 litre makes 25 litres of ready to use product.

Sanibact is effective against the following virus: Influenza, Hepatitis B/C, HIV, Rota virus, Noro virus and Ebola virus. Concerning the bacteria, Sanibact passes the tests EN1276 -EN13697. For molds, it passes the EN13697 test. It eliminates allergens (dust mites, dogs, cats, pollens etc) from hard and non porous surfaces. Sanibact doesn't leave smell and residues. Its disinfectant action acts in just 5 minutes, allowing a very deep and rapid result. It can be sprayed on food contact surfaces (rinse needed). It is suitable for HACCP plan.

CODE	DESCRIPTION
M264	Sanibact Concentrated Disinfectant (1 Litre)
M236	Sanibact Concentrated Disinfectant (5 Litre)



Errecom Smartbact 500 Disinfectant Kit

Smartbact Kit contains a 500ml bottle of SaniBact concentrated disinfectant, 20 mL measuring cup and 500 mL spray pump empty bottle.

Fill the empty bottle with water first then add 20ml of Sanibact. This gives you 500ml of ready to use disinfectant. The Smartbact Kit gives you enough sanibact to make 12.5 litres of disinfectant.

The Smartbact kit is the perfect size for vehicles, keeping in the office or home or carrying in your toolbag for site work.

CODE	DESCRIPTION
M292	Smartbact 500 Kit includes 500ml of Sanibact, 1 x empty 500ml spray bottle and a 20ml measuring cup.



Errecom CleanSi Disinfectant

CleanSi is a powerful 80% alcohol-based purifier in aerosol can that deeply cleanse. CleanSi evaporates quickly and completely, without leaving residues and streaks. Purifies any surface thanks to its high alcohol content. Particularly suitable for remote controls and TV screens, smartphones and tablets. It can also be used in offices on desks, monitors etc. Ready to use. Rinse not required. Suitable for the HACCP system so can be used on food surfaces. Simply shake the can apply the product on the entire surface to be treated and wipe with a soft cloth.

CODE	DESCRIPTION
M263	Errecom Cleansi 80% Alcohol Disinfectant (400 ml Aerosol)



Errecom SaniHands

SaniHands is a hygienic hand gel with more than 70% ethanol content registered in Germany as disinfectant with registration no. N-91689. It therefore removes viruses, germs and bacteria from the epidermis and can be used for the correct frequent hand sanitization as recommended by the WHO.

Thanks to the practical dispenser, dispensed directly on the hands and spread over their entire surface, SaniHands guarantees deep hygiene even in the absence of water. SaniHands is allergen-free and can be used frequently on even the most delicate skin. SaniHands not only sanitizes but refreshes and leaves a pleasant scent.

It can also be used after washing your hands to ensure an even higher level of hygiene. Thanks to the presence of emollient agents, it does not dry out the skin but hydrates it leaving pleasantly soft hands. Unlike many sanitising gels, SaniHands is non-sticky and pleasant to touch.

CODE	DESCRIPTION
M293	Errecom SaniHands 1 Litre Pump Action Plastic Dispenser



Universal Evaporator & Condenser Cleaners

Errecom Nano Universal Coil Cleaner

Universal nano cleaner is a restoring, fast-acting cleaner. It removes organic residues and accumulated dirt on surfaces of condensers and evaporators, slowing down their appearance.

It is not an aggressive product and can be used frequently to maintain system efficiency. It has an intense purifying action and releases a pleasant smell of cleanliness.

Ready to use for condensers, spray coil wait 5 mins and rinse off. Dilute 1:6 for evaporators (no need to rinse) Alkaline based, non-aggressive, suitable for frequent use, fragrant.

CODE	TYPE
M260	Errecom Nano Universal Cleaner (1 Litre)
M261	Errecom Nano Universal Cleaner (5 Litre)

NEW



VerteX® Universal Coil Cleaner

New Adaptive low alkaline cleaner which will clean any type of dirt. Quickly removes grease, fats and organic matter and also removes rust, scales and inorganic salts. Non corrosive – Neutral pH 7.6
Ideal for micro channel and coils with protective coatings.
Neutralises all unpleasant malodour.
Supplied in 5 litre concentrate, requires dilution. (1:8 Evaps 1:4 Cond)

CODE	DESCRIPTION
M479	VerteX Universal Coil Cleaner (5 Litre)



EasyClean® Universal Coil Cleaner

EasyClean is an effective cleaner, suitable for use on both air cooled evaporator and condenser coils.
Its formulation is safe to use and provides effective cleaning as part of routine maintenance.

CODE	DESCRIPTION
M487	EasyClean Universal Coil Cleaner (600ml Aerosol)



Clean-N-Safe® Universal Coil Cleaner

Clean-N-Safe is a non-acid, non-caustic biodegradable coil cleaner for use on evaporators and condensers. Clean-N-Safe will not attack the coil or surrounding items. Safer for people, animals and plant life.

CODE	TYPE
M130	Clean-N-Safe Aerosol (568 grams)
M132	Clean-N-Safe (5 Litre)



EnviroCoil® Universal Coil Cleaner

EnviroCoil® is an effective detergent-based cleaner for A/C & R coils. Its mild formulation makes it perfect for use in almost any maintenance scenario, either indoor or outdoor. Contains no acids, no phosphates, no harmful solvents, no sodium hydroxide and no Potassium Hydroxide. What's more, its surfactants are almost totally biodegradable. Supplied in 5 litre concentrate, requires dilution.

CODE	DESCRIPTION
M460	EnviroCoil Universal Coil Cleaner (5 Litre)



Universal Evaporator & Condenser Cleaners

Pro-Universal - Universal Alkaline Coil Cleaner

Pro-Universal™ is an NSF food safe registered universal indoor and outdoor coil cleaner, Pro-Universal features a special inhibitor that prevents the cleaner from attacking delicate fins. It is a non foaming, self rinsing product available in granular form that you make up as and when needed or standard 5 litre concentrate that requires dilution.



CODE	TYPE
M447	Pro-Universal Coil Cleaner Granules (480 grams)
M438	Pro-Universal Coil Cleaner Concentrate (5 Litre)

AdvancedGel UC (Universal Cleaner)

AdvancedGel UC 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. Powerful and effective cleaning against common dirt, including dust, lint and grease. Biodegradable and environmentally friendly, improves energy efficiency of unit.

CODE	DESCRIPTION
M282	Advanced Gel UC - Universal Cleaner (490ml)



A/C Evaporator Odour Control Products

Errecom No-Odor

No-Odor from Errecom completely eliminates unpleasant odour. Spray on to smelly a/c evaporators to refresh and restore indoor air quality. Eliminates bad smells from interiors and surfaces leaving a pleasant clean smell.

Effective against odours from smoke, cigarettes, pets and food.

CODE	DESCRIPTION
M253	No-Odor Ready-to-Use (1 Litre)



Smell Buster

A unique odour elimination product which is not a cover up perfume, but actually removes unpleasant smells from the air. It eliminates odours caused by smoke, mold mildew, cat litter and pets. Easy to use, Smell Buster has a pleasant, fresh smell.

CODE	DESCRIPTION
M484	Smell Buster Trigger Spray (1 Litre)



EasyFresh®

EasyFresh Odour neutraliser for AC systems is specifically designed for use with air conditioning units.

It eliminates odours as well as producing a long-lasting fresh scent.

This product works on contact.

CODE	DESCRIPTION
M497	EasyFresh Aerosol (400 ml)



Ceiling Tile Restorer

All-White Ceiling Tile Restorer

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.

CODE	DESCRIPTION
M165	All-White Ceiling Tile Restorer



Condensate Drain Cleaners

Errecom Drizzle - Drain Cleaner

Drizzle is a specific fast acting and effective chemical product, formulated to remove dirt and clogging of condensate drain tubes in A/C & R systems.



HACCP
Product

CODE	DESCRIPTION
M252	Errecom Drizzle Drain Line Cleaner (1 Litre)

DrainKleen® and DrainKleen® One Shot

DrainKleen® will quickly remove limescale, rust deposits and sludge from refrigeration drains and traps. What's more, because its specific gravity is heavier than that of water, it quickly finds its way to the source of a blockage – even when a U-trap is situated between the blockage and the access point.



CODE	DESCRIPTION
M475	DrainKleen One Shot (250 ml)
M465	DrainKleen (5 Litre)

AdvancedGel DU (Drain Unblocker)

The heavy-duty formula will clear organic and inorganic blockages. Heavier than water, it will sink and find the blockage. Safe to use with condensate pumps. Dilute the Condensate Drain Unblocker, using 1 part product to 8 parts water, in a suitable plastic container. Once the water is added, the product will be ready to use in 5 minutes.



CODE	DESCRIPTION
M280	Advanced Gel DU Drain Unblocker (490ml)

Ice Machine Cleaners

AdvancedGel IMC (Ice Machine Cleaner)

Advanced Gel IMC will effectively remove limescale and slime – which are common problems in ice machines – and will clean all surfaces. Limescale is formed by the insoluble calcium carbonate coating the ice-making elements. Clears heavy limescale and slime deposits. Nickel and aluminium safe – suitable for all ice machines. Colour indicator ensures product is completely flushed.



CODE	DESCRIPTION
M281	Advanced Gel IMC - Ice Machine Cleaner (490ml)

Errecom SnowPlow - Ice Machine Cleaner

SnowPlow is a specific fast-acting and effective chemical product, formulated to clean ice maker machines with descaling and anti-limescale action. Ready to use.



HACCP
Product

CODE	DESCRIPTION
M239	SnowPlow Ready to Use (5 Litre)

Ice & Clean Ice Machine Cleaner & Disinfectant

HB-30 has had a REVAMP. The original 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.



CODE	DESCRIPTION
M453	Ice Machine Cleaner & Disinfectant Concentrate (1 Litre)
M469	Ice Machine Cleaner & Disinfectant Concentrate (5 Litre)

Condensate Tray Treatments

Errecom Drain Tabs

Errecom Drain Tabs eliminates the putrefaction process of the condensate. Eliminates the formation of algae, mucilage and moulds. Prevents the clogging of condensate drain pans. Biocide Free.



CODE	DESCRIPTION
M242	Errecom Drain Tabs (Pack of 18)

Emerald Tabs Mini

Developed to prevent and eliminate the putrefaction process of the condensate. Eliminates the formation of algae, mucilage and moulds. Prevents the clogging of condensate drain pans. Emerald Tabs Mini high biodegradability level (more than 99%) limit the impact caused to the environment.



CODE	DESCRIPTION
M241	Errecom Emerald Tabs Mini (Pack of 100)

StayClean Tablets

StayClean Tablets are an inexpensive, easy to use, long lasting condensate pan treatment. They will control odours and prevent build up in the condensate tray and drain. They are safe to use and non-corrosive. Multiple tablets can be used for larger systems for maximum flexibility.



CODE	DESCRIPTION
M476	StayClean Mini Tablets (Pack of 20)

Gel-clear Tablets

Effective for up to 12 months, Gel-clear condensate drain tablets are a unique approach to blocked condensate case drains preventing the build up of microbial mass, jelly and slime. Gel-clear is safe, and simple to use. By comparison, the most cost effective condensate drain treatment on the UK market.



CODE	DESCRIPTION
M482	Gel-clear Tablets (Pack of 10 Tablets in a Tube)

Smelly Jelly

Smelly Jelly has been formulated to provide a pleasant fragrance in fan coil and cassette units. Easy to apply, Smelly Jelly is simply placed within the unit ideally as close to the discharge grille as possible.

Once in position and the unit is switched on the fragrance will immediately become noticeable. Available in five fragrances.

CODE	DESCRIPTION
M492	Citrus Fragrance
M493	Floral Fragrance
M494	Herbal Fragrance
M495	Morning Fragrance
M496	Mountain Fresh Fragrance
M491	Smelly Jelly Mini (Mixed Pack of 6 Fragrances)



Refrigeration Oils

Errecom Polyolester Oil (POE)

POE are synthetic lubricants with high chemical and thermal stability. Due to their good miscibility with refrigerants they are the best choice for applications with HFC/FC such as R134a, R404A, R407C. POE oils are also compatible with hydrocarbons such as R290 propane and R1270 propylene. In addition, our additive offer is always evolving: POE Errecom is also the best solution for applications with new generation HFO such as R1234yf and R1234ze, which are both low-GWP latest formulation gases.



CODE	TYPE	SIZE
M220	Errecom POE-22	5 Litre
M222	Errecom POE-32	1 Litre
M221	Errecom POE-32	5 Litre
M228	Errecom POE-32	25 Litre
M223	Errecom POE-46	5 Litre
M224	Errecom POE-68	5 Litre

Mobil Arctic EAL 22CC Polyolester Oil (POE)

Mobil EAL Arctic 22CC has been developed especially for Copeland refrigeration compressors where it provides outstanding protection against compressor wear.

CODE	TYPE	SIZE
M418	Arctic EAL 22CC	5 Litre



Suniso Mineral Oil

SUNISO GS Mineral Oils are premium quality oils expressly designed for use as refrigeration compressor lubricants.

CODE	TYPE	SIZE
M041	Suniso 3GS	4 Litre
M043	Suniso 4GS	4 Litre



Reniso C85 CO₂ Compatible Refrigerant Oil

RENISO C series refrigeration oils are based on special synthetic esters, formulated for use in carbon dioxide (CO₂) compressors in all fields of industrial and commercial refrigeration.

RENISO C is a versatile oil that can be used in sub- as well as trans-critical applications and will ensure optimum wear protection even under arduous CO₂ operating conditions.

CODE	TYPE	SIZE
M067	Reniso C85	1 Litre
M068	Reniso C85	10 Litre



Maneurop Compressor Oil (Mineral & POE)

Genuine Maneurop mineral oil available in 2 litre container for MT Models and genuine Maneurop polyolester oils available in 2.5 litre container for MTE/Z model compressors.

CODE	TYPE	TO SUIT MODEL
I718	2.0 L Mineral Oil 160P	MT Models
I719	2.5 L Ester Oil POE 175PZ	MTE/Z Models
M072	2.0 L Ester Oil 160SZ	(NOT MLZ) LTZ, NTZ Models



See I Section for Maneurop Compressors and accessories

Vacuum Pump Oil

On average and after general use your vacuum pump oil should be changed after every 4-5 uses. On heavily contaminated systems with moisture and acid issues vacuum pump oil should be changed after every use.

My vacuum pump oil looks clean, why should I change it?

It is recommended that a micron gauge be attached directly to the pump and should pull to 50 microns or lower if the oil is clean. If the micron gauge does not pull to 50 microns, it is an indication that the oil is becoming contaminated and should be changed.

CODE	TYPE	SIZE
Q202	FSW Vacuum Pump Oil	1 Litre
Q203	FSW Vacuum Pump Oil	5 Litre



See Section Q For vacuum pumps and accessories

Silicone Sealant

A one part flexible fast curing silicone sealant ideal for cold rooms and refrigeration applications. Available in translucent and white. Conforms to BS5889 Type B - ISO 9047 - DIN18540F - DIN1845F.

CODE	DESCRIPTION
M173	Clear Silicone Sealant (300 ml)
M174	White Silicone Sealant (300 ml)
M176	Silicone Sealant Gun



Errecom Ultra Coil Cleaners

Acid Ultra, Alkaline Ultra and Evo Ultra are designed and formulated to dilute with water and used to clean AC/R Evaporators and Condensers.

Indeed, Acid Ultra, Alkaline Ultra and Evo Ultra are packed in 250 mL glass bottles to create 5L of cleaner which removes even the most stubborn dirt. The optimal recommended dilution is 50 mL per liter of water. The supplied dispenser allows to obtain the exact quantity of cleaner required without diluting the whole product in a single solution.

They are small and easy to carry, however and can be used with any trigger or pressure sprayer.

CODE	DESCRIPTION
M286	Errecom Acid Ultra Condenser Cleaner 250 ml Bottle
M287	Errecom Alkaline Ultra Condenser Cleaner 250 ml Bottle
M288	Errecom Evo Ultra Evaporator Cleaner 250 ml Bottle



Using the unique Ultra formula and recyclable glass bottles helps create an eco-friendlier product. By reducing the amount of plastic normally used to package traditional concentrated cleaners we are helping reducing the impact on the ecosystem.

Hand Pressure Sprayers and 12V Electric Backpack Pressure Sprayer

Three sizes of hand pressure sprayers to choose from.

The Hozelock 1.25 & 5 litre and the HydroSprayer 8 litre are all suitable for use with coil cleaner concentrates used during routine maintenance and service work.

HydroSprayer Elite 12V Battery Operated Back Pack Sprayer. 15 litre capacity with supportive backpack-style straps. Fully rechargeable battery with class leading battery life that supplies the 60 psi pump with all its power.

CODE	DESCRIPTION
M427	Hozelock 1.25 Litre Pressure Sprayer
M428	Hozelock 5 Litre Pressure Sprayer
M429	Advanced Engineering Hydro-Sprayer 8 Litre
M425	HydroSprayer Elite 15 Litre 12V Battery Pressure Sprayer



BLUEDIAMOND[®]

CONDENSATE REMOVAL PUMPS

3 YEAR
WARRANTY

MICROBLUE[®]

PERFORMANCE  17dba

MAX FLOW	MAX HEAD	MAX LIFT
5 L/ HOUR	5 METRES	2 METRES

MINIBLUE

PERFORMANCE  21dba

MAX FLOW	MAX HEAD	MAX LIFT
8 L/ HOUR	8 METRES	5 METRES

MAXIBLUE[®]

PERFORMANCE  21dba

MAX FLOW	MAX HEAD	MAX LIFT
14 L/ HOUR	8 METRES	8 METRES

MEGABLUE[®]

PERFORMANCE  23dba

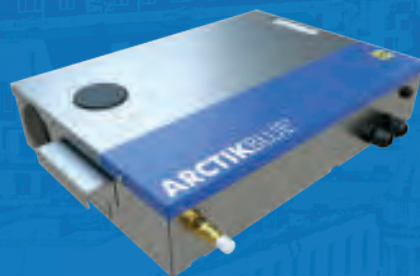
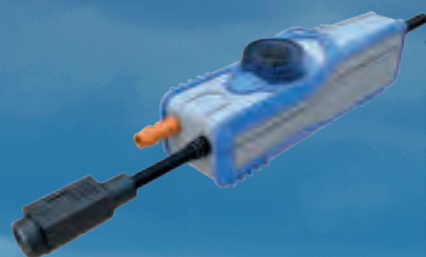
MAX FLOW	MAX HEAD	MAX LIFT
50 L/ HOUR	20 METRES	7 METRES

ARCTIKBLUE[®]

PERFORMANCE  23dba

MAX FLOW	MAX HEAD	MAX LIFT
50 L/ HOUR	20 METRES	7 METRES

WATER TANK CAP.	PUMP ON/ OFF	ALARM ON VOL.
4.1 LITRES	330 ML	3600 ML



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01543 437 010



Doses:

	KW	BTU/H	TONS	LUBRICANT	EXTREME
UP TO	6	24.000	2	0.2 L / 7 FL. OZ.	12 ML / 0.5 FL. OZ.
	15	48.000	4	0.5 L / 17 FL. OZ.	30 ML / 1 FL. OZ.
	21	72.000	6	0.7 L / 24 FL. OZ.	42 ML / 1.5 FL. OZ.
	30	96.000	8	1 L / 34 FL. OZ.	60 ML / 2 FL. OZ.
	45	144.000	12	1.5 L / 51. FL. OZ.	90 ML / 3 FL. OZ.
	60	192.000	16	2 L / 68 FL. OZ.	120 ML / A FL. OZ.
	75	240.000	20	2.5 L / 85 FL. OZ.	150 ML / 5 FL. OZ.
DILUTION IN LUBRICANT = 1.16					



Doses:

	KW	BTU/H	TONS	LUBRICANT	SUPER-DRY
UP TO	6	24.000	2	0.2 L / 7 FL. OZ.	12 ML / 0.5 FL. OZ.
	15	48.000	4	0.5 L / 17 FL. OZ.	30 ML / 1 FL. OZ.
	21	72.000	6	0.7 L / 24 FL. OZ.	42 ML / 1.5 FL. OZ.
	30	96.000	8	1 L / 34 FL. OZ.	60 ML / 2 FL. OZ.
	45	144.000	12	1.5 L / 51. FL. OZ.	90 ML / 3 FL. OZ.
	60	192.000	16	2 L / 68 FL. OZ.	120 ML / A FL. OZ.
	75	240.000	20	2.5 L / 85 FL. OZ.	150 ML / 5 FL. OZ.
DILUTION IN LUBRICANT = 1.16					



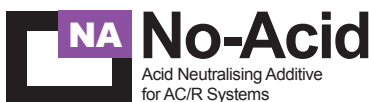
Doses:

	KW	BTU/H	TONS	LUBRICANT	COOL-SHOT
UP TO	6	24.000	2	0.2 L / 7 FL. OZ.	12 ML / 0.5 FL. OZ.
	15	48.000	4	0.5 L / 17 FL. OZ.	30 ML / 1 FL. OZ.
	21	72.000	6	0.7 L / 24 FL. OZ.	42 ML / 1.5 FL. OZ.
	30	96.000	8	1 L / 34 FL. OZ.	60 ML / 2 FL. OZ.
	45	144.000	12	1.5 L / 51. FL. OZ.	90 ML / 3 FL. OZ.
	60	192.000	16	2 L / 68 FL. OZ.	120 ML / A FL. OZ.
	75	240.000	20	2.5 L / 85 FL. OZ.	150 ML / 5 FL. OZ.
DILUTION IN LUBRICANT = 1.16					



Doses:

	LUBRICANT	BRILLIANT HVAC&R
UP TO	0.5 L / 17 FL. OZ.	7.5 ML (1/4 FL. OZ.)
	1 L / 34 FL. OZ.	15 ML (1/2 FL. OZ.)
	2 L / 68 FL. OZ.	30 ML (1.0 FL. OZ.)
	4 L / 1.06 FL. GAL.	60 ML (2.0 FL. OZ.)
For bigger quantity of Lubricant use 1:60 Dilution of the Product		



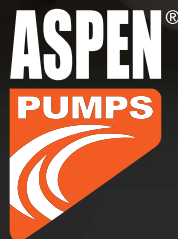
Doses:

Zero to Low Acid Level (pH ≤ 6.8): add 30ml (1.0 FL. OZ.) NO-ACID per 2 litre (64 FL. OZ.) of Compressor oil.
 Medium Acid Level (6.8 ≤ pH ≤ 5.2): add 30ml (1.0 FL. OZ.) NO-ACID per 1,5 litre (48 FL. OZ.) of Compressor oil.
 High Acid Level (pH ≤ 5.2): add 30ml (1.0 FL. OZ.) NO-ACID per 0,70 litre (24 FL. OZ.) of Compressor oil.



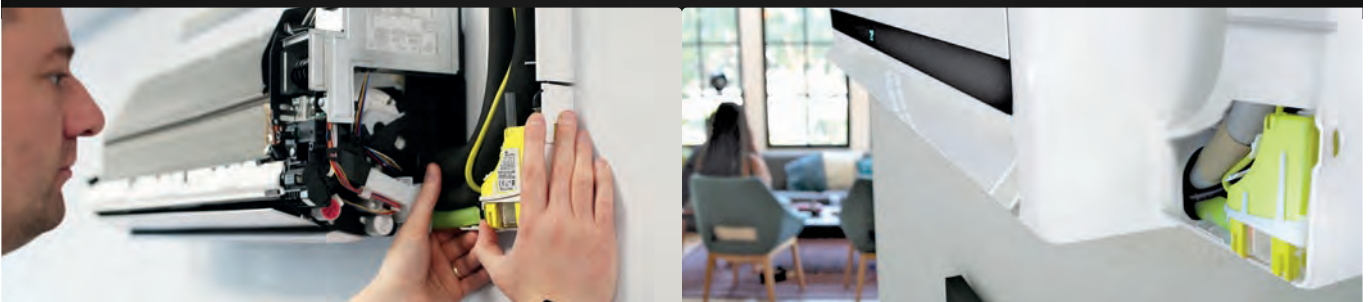
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