

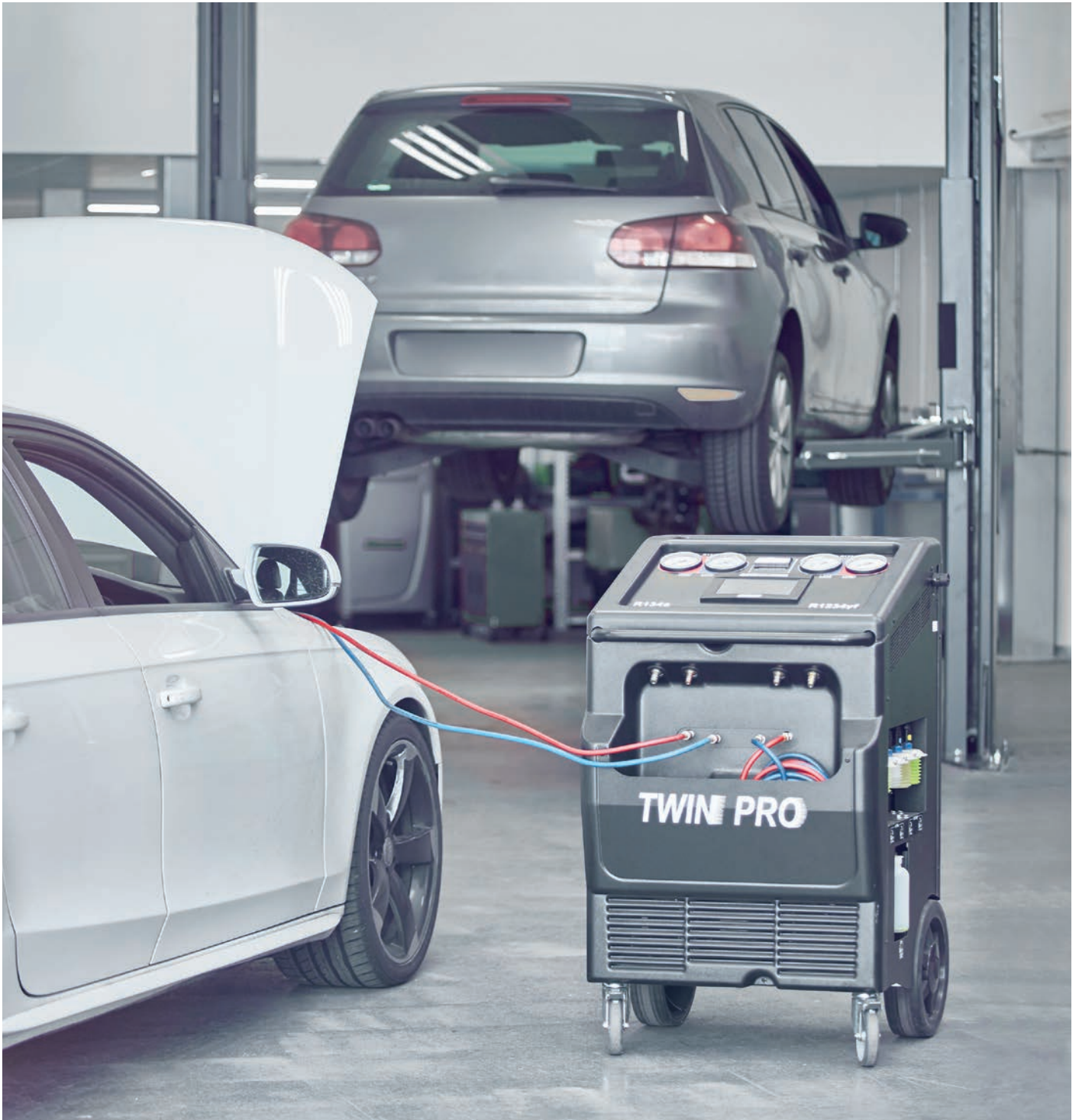
AIRCON

Parts, Consumables & Equipment 2017



OVER 200 BRANCHES NATIONWIDE





The chances of a vehicle pulling up outside your garage with the new HFO-1234yf refrigerant in its air conditioning (AC) unit are fast increasing so you need to make sure you're ready to service it. However, this doesn't mean you can forget about its predecessor, R134a, just yet.

Experts predict that vehicles requiring the R134a refrigerant will be in the marketplace for at least another decade. So, what does this mean for you? Put simply, if you haven't done so already, you should invest in a new air conditioning machine fitted with the latest technology capable of servicing HFO-1234yf to the highest of standards.

It may also be the right time to replace your existing R134a machine. Or if you're currently outsourcing AC servicing because you don't have the right machine at your garage, consider purchasing one for the first time. This will ensure you avoid turning away loyal customers and will enable you to maximise revenue streams.

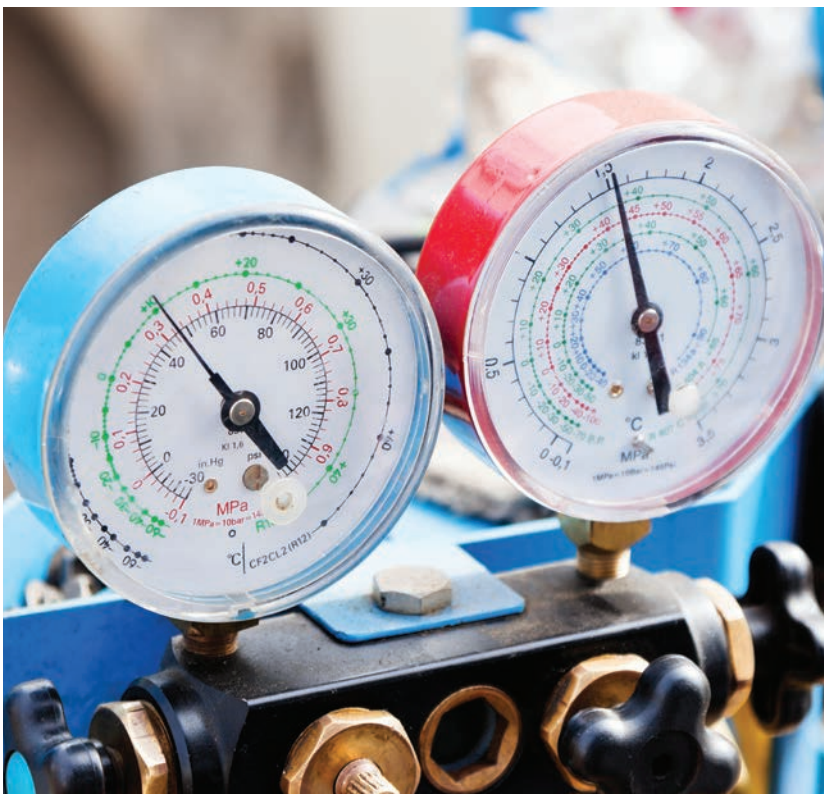
While some older cars might not be equipped with AC units, it's more or less a given in new cars. Identifying the right AC machines to enable your garage to service them effectively is an area that needs your full attention. A popular choice for smaller outfits is the ECK Twin. With two machines in one unit to service both refrigerant types, this option offers excellent value for money.



AC is not part of a routine vehicle service. Consequently, it often becomes an after-thought despite manufacturers recommending that the system should be serviced every 12 months.

While many of your customers will see AC as invaluable, skimped maintenance could be at the detriment of the car's health, resulting in costly repairs. Taking the opportunity to remind your customers of this and encouraging them to have their AC serviced with you every 12 months will result in increased repeat business and customers who feel valued.

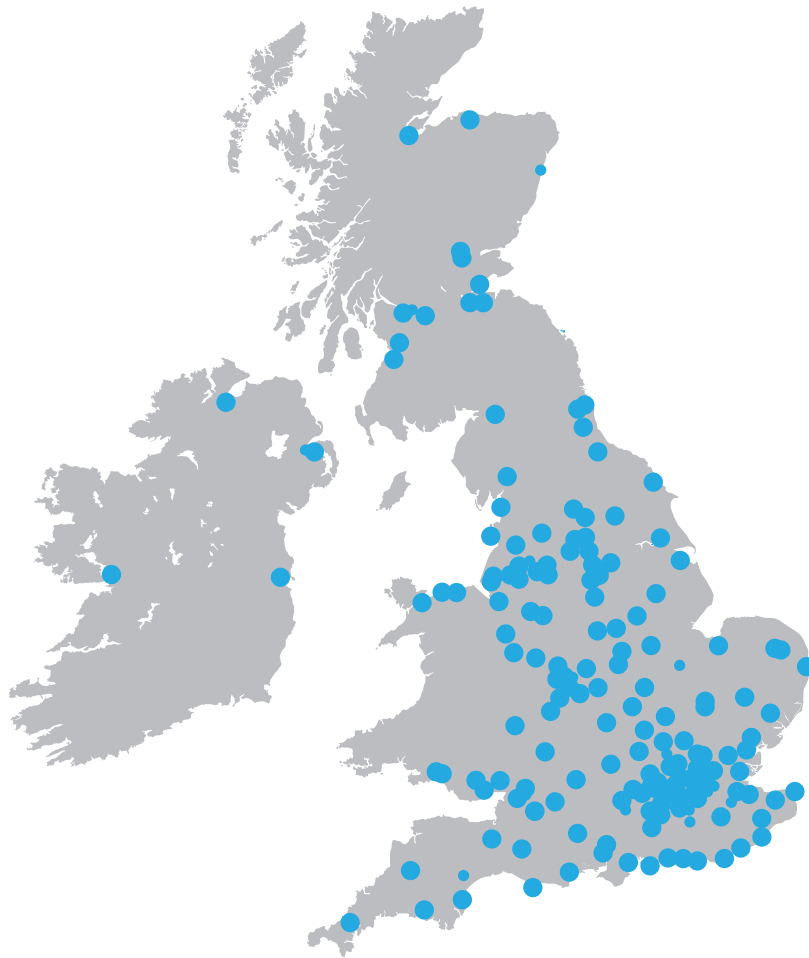
To keep your AC machines in top working order, you should consider purchasing the following accessories: Refrigerant, PAG oils, UV dye and vacuum pump oil for routine maintenance. A thermometer, sniffer and UV torch for performance checks and finding leaks



Nitrogen kits and the Marksman II for more advanced leak finding. They are easy to use and will pinpoint any leak of anti-bacterial treatments. Finally, anybody using an R134a machine must hold an F-Gas certificate. It's the law. Speak to a member of the Euro Car Part team who all have an in-depth knowledge of the various machines on offer and the accessories needed for their respective up-keep

No-one knows AC machines better than we do. At Workshop Solutions, we provide not only the AC equipment and tools you need for your garage, but expert consultancy to help you choose the right machines. But it doesn't stop there. We have a network of engineers covering the UK servicing, installing and repairing machines as required. We offer an end-to-end solution so you can focus on running the rest of your business.

Euro Car Parts UK & Ireland Branch Network



Welcome to the 2017 edition of Euro Car Parts Aircon catalogue. This 2017 edition is packed with over 300 products. We have all the latest AC Machines for R134a and the latest gas HFO1234YF; as well as market leading Machine brands from Ecotechnics, Robinair and Brain Bee.

Also in this edition you will find all the tools you need to repair AC systems at all servicing levels, so if your looking for Leak Detectors, Nitrogen Pressure Testing Kits, UV Lights, pipe repair and evaporator treatments take a look inside.

Euro Car Parts are careful to maintain the core principles of value and service that saw the first branch open in 1978. From one single store in London, to a network of over 200 branches across the UK and the Republic Of Ireland.

We demand strict quality assurance from our suppliers and insist that all products have been tested to the highest standards. Our Buyers and Product Managers are, quite simply, the best in the business.

They search the world to deliver the best in range, value and quality for our customers. By stocking both original equipment and high quality own brands, we provide our customers with real choice: freedom to select the most suitable tools and accessory.

To maintain a consistent supply of original quality parts and tools we operate our own sourcing and shipping operations. All of the above, plus much more, is part of our commitment to ensuring our customers can service and repair the very latest vehicle systems.

With a network of over 200 branches in the UK and Ireland, our branch network provides 92% coverage across the UK; so there is bound to be a Euro Car Parts branch near you.

Gas & Service Support

HFO-1234YF	6
National Service Support	7
Training / Assessments / Legislation	8
Marketing Packs & Training Books	9

Machines

Ecotechnics Machines.	10
Robinair Machines	18
Brain Bee Machines	23
North Cape Machines	27
Vacufill	28

Additional Tooling

Refrigerant Identifier & Accessories.	29
Evaporator Treatments	31
Thermometers	34
Leak Detectors	35
UV Dye Kits.	39
UV Lights	41
Nitrogen Pressure Testing & Accessories.	43

Consumables

Refrigerants & Tanks	47
Oils.	48
UV Dyes.	49
R134a Adapters	51
R134a Couplers	52
Machine Spares & Accessories.	53

System Repair

Service Kits	55
Pipe Tools	57
AC System Tools / HVAC	58
Pipe Repair Vulkan.	63
AC System Hose Assemblies.	65
Compressor Guards	66

A/C Parts

Compressor Testing Tool	67
Compressor Control Valves	68
Compressors	69
Condensers.	70
Receiver Driers.	71



HFO-1234YF The New Refrigerant

The introduction of HFO-1234yf is a very significant development in automotive air conditioning. In the initial introduction of HFO-1234yf, production was limited and this led to only a number of models being produced. It is estimated today that more than 50 vehicle model types have HFO-1234yf within their air conditioning system with many more due for release in 2016.

From 1st January 2017 every vehicle manufactured with air

conditioning must use a refrigerant with a Global Warming Potential of less than 150. The vehicle manufacturers choice is HFO-1234yf.

Given the company's unique standing in the UK AC servicing market Autoclimate is maintaining close contact with the VMs and equipment suppliers in order to exchange information about the latest developments which we can share with our customers.

Production

- Vehicles (categories M1 and N1) receiving type approval from January 1st 2011 must use a refrigerant with a GWP (Global Warming Potential) of less than 150. The current refrigerant HFC R-134a does not meet this requirement. However, due to manufacturing issues the MAC Directive this was suspended until the end of 2012.
- All new vehicles (all categories) produced from January 1st 2017 must use a refrigerant with a GWP of less than 150.
- The initial global production of HFO-1234yf will only be sufficient to supply VMs production requirements.
- Further production is scheduled to come on stream during 2015.

About HFO-1234yf

- Developed and manufactured jointly by DuPont and Honeywell
- Has a Global Warming Potential (GWP) of just 4, the maximum is 150
- The performance characteristics are very similar to HFC R-134a
- Classed as a flammable refrigerant, albeit mildly. HFC R-134a is not flammable
- Lifespan if released to atmosphere is 11 days. HFC R-134a is 13 years
- The price will be higher than that of HFC R-134a, at least initially

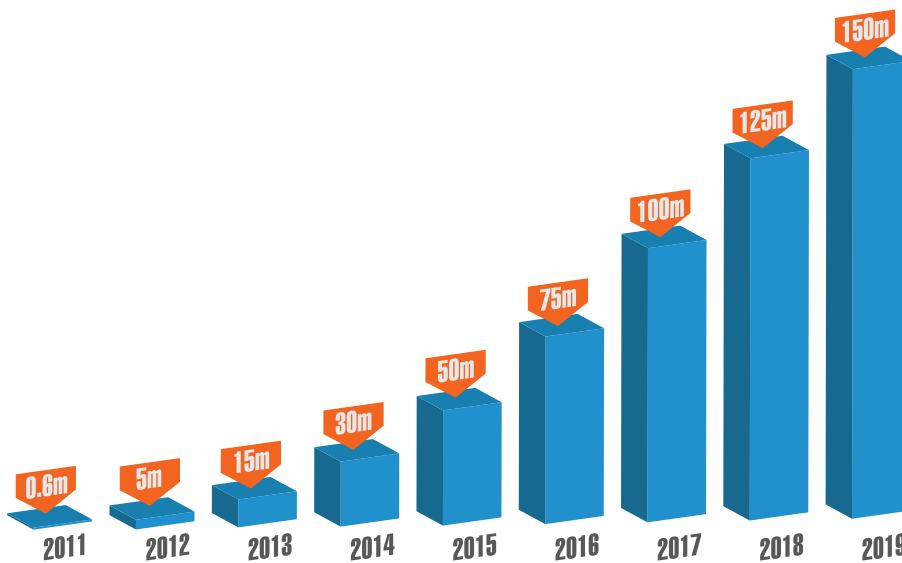
FAQ's

Q. "We are a franchise dealer. If a vehicle with HFO-1234yf experiences an AC fault, what should we do if we have yet to purchase a suitable AC machine?"

A. Please ask the vehicle manufacturer for their advice and also contact us for the latest technical information. With more vehicle manufacturer relationships and approvals than any other UK-based RMS supplier, Autoclimate is actively supporting the introduction of HFO-1234yf.

Q. "I am an accident repairer. What if I have to repair a vehicle with HFO-1234yf?"

A. As things stand, we believe that the chances of you seeing such a vehicle during 2012 and 2013 are low, given the number of known model introductions. Our advice is, that given that both the gas and a compatible AC machine will be required; such repairs should be managed in co-operation with the appropriate franchise dealer, although if required we can supply a suitable AC machine.



European consolidated number of new vehicles introduction with 1234yf air conditioning systems (in millions)

(Estimated data)



Providing on-site repair for Ecotechnics, Robinair and Brain Bee Air Conditioning Equipment

Autoclimate are now pleased to service and support the Robinair, Ecotechnics and Brain Bee range of air con machines.

All equipment supplied will be offered a professional installation along with onsite operator training to show correct and recommended use of the unit.

With a national network of experienced, fully qualified field engineers providing on-site maintenance and repair services, there has never been a better solution for one stop purchasing and support of equipment. Also available is annual servicing of machines according to manufacturer recommendations and where required the issuing of calibration certificate for audit purposes.

Support via telephone

Although the majority of equipment related issues are resolved remotely, if this is not possible, an engineer visit will be arranged, with best endeavours to be onsite within 3 working days*.

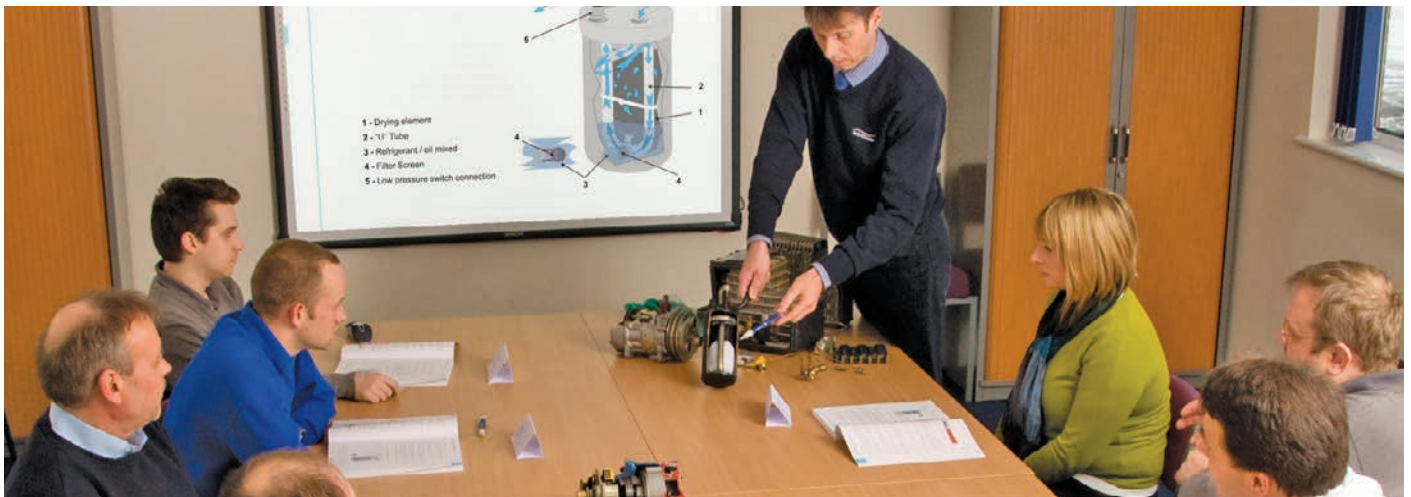
Our engineers carry the fastest moving servicing and repair parts on their van stock, if not available, through our logistics network we will have the required parts on the customer's premises ready for the when the engineer attends site – helping to minimise your machines downtime as much as possible.



- Autoclimate – the UK's only approved Robinair, Ecotechnics and Brain Bee repairer
- Full UK coverage
- Response time – best endeavours within 3 working days
- All work controlled by hand-held tablets
- No return to base requirement* – all repairs carried out on site
- All engineers hold the latest refrigerant handling qualification City & Guilds 7543-001
- Engineers fully trained to work on all Robinair, Ecotechnics and Brain Bee equipment
- Engineers receive regular updates on latest products and safety standards
- Full compliance to legislative standards
- Calibration certificates available upon request e.g. to comply with Quality Management and PAS125 system audits
- Autoclimate only use genuine OE parts for repair

*Excluding Northern Ireland





Latest developments

From 1st January 2015, F-gas Regulation EU 517/2014 replaces Regulation EC 842/2006. There is now a legal responsibility on both the BUYER and SELLER of F-Gas. Customers purchasing R134A will now be required to provide the following details on letter headed paper:

- Employee Name
- Awarding Body & Qualification Name
- Certificate Number

The onus will be on the supplier to request the information and hold details of the qualification along with the certificate number before releasing the goods. Do not be surprised if you are asked for this information when ordering!

N.B. Existing certificates previously issued in accordance with the 2006 EU F-Gas Regulation remain valid, in accordance with the conditions under which they were originally issued.

PLEASE NOTE: It is a legal requirement that technicians working with the recovery of refrigerants, from a vehicle, must hold a recognised national qualification.

We offer the City and Guilds 7543-001 lifetime qualification.

Operator Training

The majority of Air Conditioning machines supplied will come with operator training or where required refresher operator training can be carried out.

Up to 6 technicians can be trained in a single session of about 2 hour's duration covering:

- Refrigerant recovery
- System vacuum
- Gas Re-charge

At the end of the session, technicians can be issued with a certificate to confirm they are able to operate the specific refrigerant management station in a safe and environmentally friendly manner.



Refrigerant Handling Certification

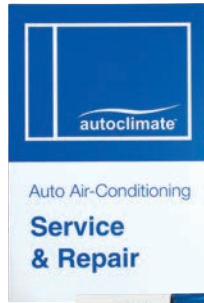
As a market leader in automotive air conditioning, responsibilities on compliance and legislative requirements are taken very seriously. With its wide ranging knowledge and expertise, Autoclimate was selected by the Retail Motor Industry (RMIF) to provide expert input throughout the DEFRA consultation process that ultimately shaped the implementation of the F-Gas regulations. As a consequence of this, the company is uniquely qualified to provide refrigerant handling certification to its customers.

Autoclimate AC Marketing Pack

245 77 0630

Pack Contains:

- 1 x 245 77 0570 (1 Service & Repair Sign)
- 1 x 245 77 0580 Under Bonnet Sticker (25 Stickers)
- 1 x 245 77 0590 (25 Flyers)
- 1 x 245 77 0600 (1 Stand for Flyers)
- 1 x 245 77 0610 (25 Service Booklets)
- 1 x 245 77 0620 AC A2 Posters (1 x Free, 1 x Everywhere)



Autoclimate AC A2 Posters

(free everywhere)

245 77 0620

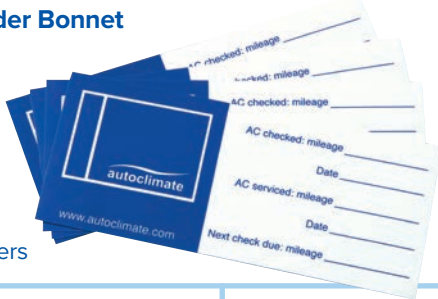


1 set contains 25 service sheets (2 Part)

Autoclimate AC Under Bonnet

Service Sticker

245 77 0580



1 set contains 100 stickers

Autoclimate

AC Service History booklet

245 77 0610



1 set contains 25 service booklets

Autoclimate AC Stand for DL Flyer

(Keeping your cool)

245 77 0600



1 x stand

Autoclimate AC DL Flyer

(Keeping your cool)

245 77 0590



1 set contains 25 flyers

Autoclimate AC Door Hanger

245 77 0980

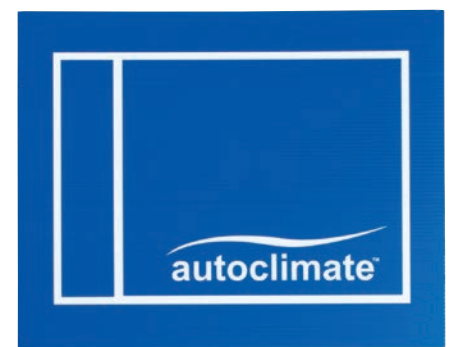


2 x Door Hangers

Autoclimate AC Service & Repair Specialists Sign

900mm x 600mm

245 77 0570



Auto Air-Conditioning
Service & Repair

1 x sign

ECK LAND

251 77 0860



Fully automatic for recovery, recycling and 510 mm recharging R134a refrigerant. It has been developed after years of experience in the sector, follows the latest regulations in the field of safety and air pollution. The machine has been designed to offer a solution

to the problems relating to the maintenance of A/C system of agricultural and earth moving vehicles. The ECK LAND has a steel solid construction and is easily transportable on service vehicles.

WHY BUY ME

- **EASY TO USE:** Clear LCD display screen. Complete information on cars and truck's A/C system refrigerant quantity
- **BIG TANK:** 7Ltr tank
- **FULLY AUTOMATIC CYCLE:** with automatic oil injection using an electronic scale providing high precision on charging and quick & easy service
- **THERMAL PRINTER:** this important feature is standard with this machine
- **BOTTLE HEATER:** allowing quick refrigerant charging with cold or hot ambient temperatures
- **USB PORT:** for an easy and quick SW and Data Base updates
- **DATABASE:** Integrated vehicle database for agricultural models
- **EXTRAS:** The ECK LAND also has an automatic service alarm, flushing software and refrigerant management. The machine also has a printer and scale protection with a lock. Steel trolleys are also available for mobile use
- **IDEAL USAGE:** The ECK LAND is ideal for van mobile use to service vehicles, truck and agricultural markets



SPECIFICATIONS

Refrigerant	R134a	Automatic taps	●
Refrigerant tank	7Ltr	Automatic oil injection	●
Recovery rate	0.94	Standard oil container UV	●
Filling accuracy	+/- 10g	Display	Alpha Numeric
Compressor	12cc	Database	●
Recovery quantity	200g/min.	Pressure Gauge	80mm
Vacuum pump	72Ltr/min.	Hoses	6m
Function procedure	Automatic/Manual	Tank heater	●
Automatic service alarm	●	Printer	●

○ – Optional; ● – Standard

ECK 1800

251 77 0850



ECK1800 is our biggest mover and this machine offers excellent value for money for garages considering entering the air conditioning market for the first time or those looking for a second unit on site. For the really forward thinking workshops, or those that are working on newer cars. Fully automatic machine, equipped with the most important features for an AC service. Being a fully

compliant R134a station it's suitable for all workshop environments. Automatically controls recovery, recycling, vacuum and recharging process for oil, UV dye and gas. Equipped with a built in USB port for software updates. The refrigerant management also gives a usage report.

WHY BUY ME

- **EASY TO USE:** complete information on cars and truck's A/C system refrigerant quantity
- **SPACE:** Its wheels have been specifically designed to let the station spin around its main axis and make it very easy to move around where space is limited
- **BIG TANK:** Refrigerant tank with 12 liters, the ideal entry level machine
- **AUTOMATIC LEAK TEST:** thanks to a specific sensor, the machine checks for a leakage during the vacuum phase monitoring the vacuum degree on the A/C system.
- **FULLY AUTOMATIC CYCLE:** with automatic oil and dye injection using an electronic scale providing high precision on charging and quick & easy service
- **REFRIGERANT MANAGEMENT:** the machine stores all services done and the user can save it on an USB memory key to transfer on a PC and create his own data records.
- **PRINTER:** The ECK 1800 comes with a thermal printer, this important feature is standard with this machine
- **USB:** Build in USB port for software updates
- **DATABASE:** complete information on cars and truck's A/C system refrigerant quantity
- **BOTTLE HEATER:** allowing quick refrigerant charging with cold or hot ambient temperatures
- **FLUSHING SW:** machine comes with built-in SW to handle the Ecotechnics Flushing Kit (optional)
- **STATIC DIAGNOSIS:** an important help for the user: he can get a quick advice on possible failures on the A/C system using A/C pressure and ambient/vent temperature.
- **USB PORT:** for an easy and quick SW and Data Base updates



SPECIFICATIONS

Refrigerant	R134a	Standard oil container UV	●
Refrigerant tank	12Ltr	Display	Alpha Numeric
Recovery rate	0.94	Database	●
Filling accuracy	+/- 10g	Refrigerant Management	●
Compressor	1/3HP	Pressure Gauge	80mm
Recovery quantity	300g/min.	Hoses	3m
Vacuum Pump	72Ltr/min.	RS232 Port	●
Function procedure	Auto/Manual	USB port	●
Automatic service alarm	●	Flushing Kit	○
Automatic Oil injection	●	Tank Heater	●
Automatic Dye injection	●	Printer	●
Automatic leak check	●	Certification	CE/PED

○ – Optional; ● – Standard



ECK 3500-UP

251 77 0840



The ECK 3500-UP is a fully automatic machine, equipped with the most advanced features such as HYBRID function to be compatible with cars with electric compressor, with a special connection

to make an automatic leak test detection with Nitrogen (under pressure) and with a large 5" color display with an easy user interface.

WHY BUY ME

- **EASY TO USE:** Color 5" display with high resolution and icon messaging for an easy user interface.
- **SPACE:** Its wheels have been specifically designed to let the station spin around its main axis and make it very easy to move around where space is limited
- **BIG TANK:** Big refrigerant tank with 22 liters it is the ideal machine for intensive use
- **HIGH PRECISION TECHNOLOGY:** with 95% of the recovered refrigerant from an A/C system.
- **AUTOMATIC NITROGEN LEAK TEST:** this test, made with an inert gas under pressure, is an excellent alternative in case dye is not permissible (for example, in automobile manufacturing) or anti-economic for example in case of leak detection on A/C systems with the new gas HFO1234yf.
- **HERMETIC OIL & DYE CONTAINERS:** eliminate contact between the humidity naturally present in ambient air and the oil or dye, grant high quality of the product charged, protect the internal components of the station from possible damage from oils and/or dyes of uncertain provenance.
- **AUTOMATIC AIR PURGE:** made with pressure and temperature sensors, grants at any time to have the ideal tank pressure without air, avoiding unpleasant machine's stop for high pressure alarm



SPECIFICATIONS

Refrigerant	R134a	Display	5" Color
Refrigerant tank	22Ltr	Database	●
Recovery rate	0.95	Refrigerant Management	●
Filling accuracy	+/- 10g	Pressure Gauge	80mm
Compressor	1/3HP	Hoses	3m
Recovery quantity	300g/min.	VUSB port	●
Vacuum Pump	100Ltr/min.	Hybrid Function (real hose flushing)	●
Function procedure	Automatic/Manual	Nitrogen leak check	●
Automatic service alarm	●	External Gas identifier	○
Automatic Taps	●	New Saniflux EXTERNAL	○
Automatic Oil injection	●	Dynamic Diagnosis	○
Automatic Dye injection	●	Static Diagnosis	●
Automatic leak check	●	Flushing Kit	○
Automatic air discharge	●	Tank Heater	●
Hermetic oil containers HD	●	Printer	●
HFO Upgradable	22Ltr	Certification	CE/PED

○ – Optional; ● – Standard

ECK 4000-R

251 77 0830



The ECK 4000-R is a fully automatic air conditioner refrigerant charging device HFO1234yf. Specifically, environmentally responsible, user-friendly and extremely good value for money machine. For Ecotechnics equipment guarantees the production

experience and excellent quality with the user's satisfaction. The brand types offered, high quality, design-design and eco-friendly operation to satisfy all customer needs.

WHY BUY ME

- **EASY TO USE:** 7" color touch screen display with high resolution and icon messaging for an easy user interface. Status light for a quick visualisation of status process of the machine.
- **SPACE:** Its wheels have been specifically designed to let the station spin around its main axis and make it very easy to move around where space is limited
- **BIG TANK:** Big refrigerant tank with 22 liters it is the ideal machine for intensive use
- **HIGH PRECISION TECHNOLOGY:** with 95% of the recovered refrigerant from an A/C system.
- **AUTOMATIC NITROGEN LEAK TEST:** this test, made with an inert gas under pressure, is an excellent alternative in case dye is not permissible (for example, in automobile manufacturing) or anti-economic for example in case of leak detection on A/C systems with the new gas HFO1234yf.
- **HERMETIC OIL & DYE CONTAINERS:** eliminate contact between the humidity naturally present in ambient air and the oil or dye, grant high quality of the product charged, protect the internal components of the station from possible damage from oils and/or dyes of uncertain provenance.
- **AUTOMATIC AIR PURGE:** made with pressure and temperature sensors, grants at any time to have the ideal tank pressure without air, avoiding unpleasant machine's stop for high pressure alarm



SPECIFICATIONS

Refrigerant	R134a	Automatic Oil injection	●
Refrigerant tank	22Ltr	Automatic Dye injection	●
Recovery rate	>95%	Automatic leak check	●
Filling accuracy	+/- 10g	Automatic air discharge	●
Compressor	1/3HP	Refillable & hermetic oil cont. HR	●
Recovery q.ty	300g/min.	Display	7" TOUCH
Vacuum Pump	100Ltr/min.	Database	●
Function procedure	automatic/manual	Refrigerant Management	●
Automatic service allarm	●	Pressure Gauge	100mm
Additional ventilation		Status light	●
Automatic Taps	●	Hoses	3m

○ – Optional; ● – Standard



ECK 3500-HFO

251 77 0880



The ECK 3500-HFO is a fully automatic machine, equipped with the most advanced features such as HYBRID function to be compatible with cars with electric compressor, with a special

connection to make an automatic leak test detection with Nitrogen (under pressure) and with a large 5" color display with an easy user interface.

WHY BUY ME

- **EASY TO USE:** Color 5" display with high resolution and icon messaging for an easy user interface.
- **SPACE:** Its wheels have been specifically designed to let the station spin around its main axis and make it very easy to move around where space is limited
- **BIG TANK:** Big refrigerant tank with 22 liters it is the ideal machine for intensive use
- **HIGH PRECISION TECHNOLOGY:** with 95% of the recovered refrigerant from an A/C system.
- **AUTOMATIC NITROGEN LEAK TEST:** this test, made with an inert gas under pressure, is an excellent alternative in case dye is not permissible (for example, in automobile manufacturing) or anti-economic for example in case of leak detection on A/C systems with the new gas HFO1234yf.
- **HERMETIC OIL & DYE CONTAINERS:** eliminate contact between the humidity naturally present in ambient air and the oil or dye, grant high quality of the product charged, protect the internal components of the station from possible damage from oils and/or dyes of uncertain provenance.
- **AUTOMATIC AIR PURGE:** made with pressure and temperature sensors, grants at any time to have the ideal tank pressure without air, avoiding unpleasant machine's stop for high pressure alarm



SPECIFICATIONS

Refrigerant	HFO-1234yf	HFO Upgradable	22Ltr
Refrigerant tank	12Ltr	Display	5" Color
Recovery rate	0.95	Database	●
Filling accuracy	+/- 10g	Refrigerant Management	●
Compressor	1/3HP	Pressure Gauge	80mm
Recovery quantity	300g/min.	Hoses	3m
Vacuum Pump	100Ltr/min.	USB port	●
Function procedure	Automatic/Manual	Hybrid Function (real hose flushing)	●
Automatic service alarm	●	Nitrogen leak check	●
Automatic Taps	●	External Gas identifier	○
Automatic Oil injection	●	New Saniflux EXTERNAL	○
Automatic Dye injection	●	Flushing Kit	○
Automatic leak check	●	Tank Heater	●
Automatic air discharge	●	Printer	●
Hermetic oil containers HD	●	Certification	CE/PED

○ – Optional; ● – Standard

ECK BUS PRO

251 77 0440



Fully automatic single-gas station for recovering, recycling, and recharging R134 refrigerant, for use with buses and industrial vehicles. The ECK Bus Pro is accurate, environmentally conscious, user-friendly and extremely good value for money machine. For

Ecotechnics equipment manufacturing experience and excellent quality guarantee user satisfaction together. The high quality, design and eco-friendly operation will satisfy all customer needs.

WHY BUY ME

- **EASY TO USE:** 7" color touch screen display with high resolution and icon messaging for an easy user interface. Status light for a quick visualisation of status process of the machine.
- **SPACE:** Its wheels have been specifically designed to let the station spin around its main axis and make it very easy to move around where space is limited
- **BIG TANK:** Big refrigerant tank with 40 liters it is the ideal machine for intensive use
- **AUTOMATIC NITROGEN LEAK TEST:** this test, made with an inert gas under pressure, is an excellent alternative in case dye is anti-economic (for example with big A/C systems such as Bus).
- **AUTOMATIC AIR PURGE:** made with pressure and temperature sensors, grants at any time to have the ideal tank pressure without air, avoiding unpleasant machine's stop for high pressure alarm
- **FULLY AUTOMATIC CYCLE:** with automatic oil and dye injection using an electronic scale providing high precision on charging and quick & easy service
- **AUTOMATIC LEAK CHECK:** thanks to a specific sensor, the machine checks for a leakage during the vacuum phase monitoring the vacuum degree on the A/C system.
- **THERMAL PRINTER:** this important feature is standard with this machine
- **USB PORT:** for an easy and quick SW and Data Base updates



SPECIFICATIONS

Refrigerant	R134a
Refrigerant tank	40Ltr
Recovery rate	0.94
Filling accuracy	+/- 10g
Compressor	21 cc
Recovery quantity	400g/min.
Vacuum Pump	170Ltr/min.
Gear Pump	●
Function procedure	automatic/manual
Automatic service alarm	●
Automatic Oil injection	●
Automatic Dye injection	●
Automatic leak check	●

Automatic air discharge	●
Standard oil container UV	●
Display	ALPHA NUMERIC
Database	●
Refrigerant Management	●
Pressure Gauge	80mm
Hoses	6m
USB port	●
Flushing Kit	○
Tank Heater	●
Printer	●
Certification	CE/PED

○ – Optional; ● – Standard



ECK 1800-HFO

251 77 0890



ECK1800- HFO is one of our biggest movers and this machine offers excellent value for money for garages considering entering the air conditioning market for the first time or those looking for a second unit on site. For the really forward thinking workshops, or those that are working on newer cars. Fully automatic machine, equipped with the most important features for an AC service.

Being a fully compliant 1234YF station it's suitable for all workshop environments. Automatically controls recovery, recycling, vacuum and recharging process for oil, UV dye and gas. Equipped with a built in USB port for software updates. The refrigerant management also gives a usage report.

WHY BUY ME

- **EASY TO USE:** complete information on cars and truck's A/C system refrigerant quantity
- **SPACE:** Its wheels have been specifically designed to let the station spin around its main axis and make it very easy to move around where space is limited
- **BIG TANK:** Refrigerant tank with 12 liters, the ideal entry level machine
- **AUTOMATIC LEAK TEST:** thanks to a specific sensor, the machine checks for a leakage during the vacuum phase monitoring the vacuum degree on the A/C system.
- **FULLY AUTOMATIC CYCLE:** with automatic oil and dye injection using an electronic scale providing high precision on charging and quick & easy service
- **REFRIGERANT MANAGEMENT:** the machine stores all services done and the user can save it on an USB memory key to transfer on a PC and create his own data records.
- **PRINTER:** The ECK 1800-HFO comes with a thermal printer, this important feature is standard with this machine
- **DATABASE:** complete information on cars and truck's A/C system refrigerant quantity
- **BOTTLE HEATER:** allowing quick refrigerant charging with cold or hot ambient temperatures
- **FLUSHING SW:** machine comes with built-in SW to handle the Ecotechnics Flushing Kit (optional)
- **STATIC DIAGNOSIS:** an important help for the user: he can get a quick advice on possible failures on the A/C system using A/C pressure and ambient/vent temperature.
- **USB PORT:** for an easy and quick SW and Data Base updates



SPECIFICATIONS

Refrigerant	HFO-1234yf
Refrigerant tank	12Ltr
Recovery rate	0.94
Filling accuracy	+/- 10g
Compressor	1/3HP
Recovery quantity	300g/min.
Vacuum Pump	100Ltr/min.
Function procedure	Automatic/Manual
Automatic service alarm	●
Automatic Oil injection	●
Automatic Dye injection	●
Automatic leak check	●
Standard oil container UV	●

Refillable & hermetic oil cont. HR	
Display	Alpha Numeric
Database	●
Refrigerant Management	●
Pressure Gauge	80mm
Hoses	3m
RS232 Port	●
USB port	●
Flushing Kit	○
Tank Heater	●
Printer	●
Certification	CE/PED

○ – Optional; ● – Standard

ECK TWIN PRO

251 77 0820



The ECK Twin is a reliable, effective and easy-to-use refrigerant management station for servicing both R134a and HFO-1234yf refrigerant systems. It automatically controls the recovery, recycling, vacuum and recharging processes of a/c servicing. With a number

of patented designs including hermetic dye/oil cartridges and automatic discharge of non-condensable gases via solenoid valves. This machine delivers both high performance and excellent operational reliability.

WHY BUY ME

- **EASY TO USE:** 7" color touch screen display with high resolution and icon messaging for an easy user interface.
- **SPACE:** Its wheels have been specifically designed to let the station spin around its main axis and make it very easy to move around where space is limited
- **BIG TANK:** 2 tanks 12L, with 2 electronic scales + 2 automatic heater blankets
- **HIGH PRECISION TECHNOLOGY:** with 95% of the recovered refrigerant from an A/C system.
- **AUTOMATIC NITROGEN LEAK TEST:** this test, made with an inert gas under pressure, is an excellent alternative in case dye is not permissible (for example, in automobile manufacturing) or anti-economic for example in case of leak detection on A/C systems with the new gas HFO1234yf.
- **HERMETIC OIL & DYE CONTAINERS:** eliminate contact between the humidity naturally present in ambient air and the oil or dye, grant high quality of the product charged, protect the internal components of the station from possible damage from oils and/or dyes of uncertain provenance.
- **AUTOMATIC AIR PURGE:** made with pressure and temperature sensors, grants at any time to have the ideal tank pressure without air, avoiding unpleasant machine's stop for high pressure alarm



SPECIFICATIONS

Refrigerant	R34a-HFO1234yf	Database	●
Refrigerant tank	2x12Ltr	Refrigerant Management	●
Recovery rate	0.95	Pressure Gauge	4x80mm
Filling accuracy	+/- 10g	Status light	●
Compressor	1/3HP	Hoses	3m
Recovery quantity	300g/min.	RS232 Port	●
Vacuum Pump	100Ltr/min.	USB port	●
Function procedure	Auto/Manual	Hybrid Function (real hose flushing)	●
Automatic service alarm	●	Nitrogen leak check	●
Additional ventilation	●	"Puff Free" quick couplers	●
Automatic Taps	●	External Gas identifier	○
Automatic Oil injection	●	New Saniflux EXTERNAL	○
Automatic Dye injection	●	Flushing Kit	○
Automatic leak check	●	Tank Heater	●
Automatic air discharge	●	Printer	●
Refillable & hermetic oil cont. HR	●	Certification	CE/PED
Display	7" Touch		

○ – Optional; ● – Standard



AC 595 PRO

251 77 0710



The AC595PRO is one of the most sold air conditioning service units for cars and trucks. Like all completely automatic Robinair units, it is designed to carry out the maintenance of R-134a-based air conditioning systems with a minimum of manual intervention. The unit automatically controls every phase of maintenance, including oil and refrigerant recovery, recycling and refilling without needing

direct intervention from a technician. However, the manual mode allows the user to control all aspects individually if so desired. It comes equipped with a data base to provide the necessary oil and refrigerant quantities for the vehicle's air conditioner. The AC595PRO also has an integrated printer to create detailed reports.

WHY BUY ME

- **EASY TO USE:** 20 languages – fully automatic station with including dye injection. The software can be programmed in only a few button presses
- **SPACE:** Its wheels have been specifically designed to let the station spin around its main axis and make it very easy to move around where space is limited
- **FAST:** Up to the minute data base – Manufactured by Autoclimate
- **BIG TANK:** The AC 690 Pro 8kg tank for garages carrying out less than 10 services per day
- **VACUUM LEAK:** Vacuum leak detection and Built in diagnostic functionality
- **LOW RUNNING COST:** as gas recovery and recycle is at 95%
- **EFFICIENT:** Offering excellent performance for carrying out A/C servicing on cars and light commercial vehicles, the AC595PRO is particularly well suited for repairers carrying out low volumes of A/C servicing or those who require a second 'support' unit in the workshop.
- **AUTOMATIC:** Automatic oil discharge with electronic scale, automatic oil injection with electronic scale, automatic UV dye injection and automatic air-purge system
- **DATABASE:** Data transfer and database update through electronic key



SPECIFICATIONS

Refrigerant	R134a	Automatic leak check	●
Refrigerant tank	8Ltr	Automatic air discharge	●
Recovery rate	<95%	Standard oil container UV	●
Filling accuracy	+/- 10g	Display	Alpha Numeric
Compressor	1/4HP	Database	●
Recovery quantity	300g/min.	Pressure Gauge	80mm
Vacuum Pump	70Ltr/min.	Hoses	2,45m
Function procedure	Automatic/Manual	RS232 Port	●
Automatic service alarm	●	UFlushing Kit	○
Automatic Taps	Manual	Tank Heater	●
Automatic Oil injection	●	Printer	●
Automatic Dye injection	●	Certification	CE

○ – Optional; ● – Standard

AC 690 PRO

251 77 0720



Fully automatic for recovery, recycling and 510 mm recharging R134a refrigerant. It has been developed after years of experience in the sector, follows the latest regulations in the field of safety and air pollution. The machine has been designed to offer a solution

to the problems relating to the maintenance of A/C system of agricultural and earth moving vehicles. The ECK LAND has a steel solid construction and is easily transportable on service vehicles.

WHY BUY ME

- **EASY TO USE:** Clear LCD display screen. Complete information on cars and truck's A/C system refrigerant quantity
- **BIG TANK:** 7Ltr tank
- **FULLY AUTOMATIC CYCLE:** with automatic oil injection using an electronic scale providing high precision on charging and quick & easy service
- **THERMAL PRINTER:** this important feature is standard with this machine
- **BOTTLE HEATER:** allowing quick refrigerant charging with cold or hot ambient temperatures
- **USB PORT:** for an easy and quick SW and Data Base updates
- **DIAGNOSTIC PROGRAMME:** Saves time identifying "vehicle" faults, suggest out of 36 common faults depending on test results
- **MEMORY:** 4 MB memory facility to store and edit service data for up to an extra 250 vehicles
- **COMPRESSOR:** Hermetic 1/3 Hp compressor means fast and complete refrigerant recovery from the system at 500 gms pm
- **VACUUM PUMP:** Powerful two-stage 180 litres per minute vacuum pump to remove air and moisture
- **PRINTER:** Generates data to help the sales process as well as creating job records for you and your customers. Complete flexibility to print at any stage, includes customer and contact details



SPECIFICATIONS

Refrigerant	R134a
Refrigerant tank	20Ltr
Recovery rate	<95%
Filling accuracy	+/- 10g
Compressor	3/8HP
Recovery quantity	300g/min.
Vacuum Pump	170Ltr/min.
Function procedure	Automatic/Manual
Automatic service alarm	●
Automatic Taps	Manual
Automatic Oil injection	●
Automatic Dye injection	●

Automatic leak check	●
Automatic air discharge	●
Standard oil container UV	●
Display	Alpha Numeric
Database	●
Pressure Gauge	80mm
Hoses	2,45m
RS232 Port	●
Flushing Kit	○
Tank Heater	●
Printer	●
Certification	CE

○ – Optional; ● – Standard



AC 1234-7

251 77 0740



The AC1234-7 is an automatic refrigerant management station with complete ‘programme and walk-away’ capability. It automatically controls the recovery, vacuum and recharging processes for oil, UV dye and refrigerant, as well as filtering the recovered refrigerant. The AC1234-7 has an integral printer. The AC1234-7 model offers all the functions necessary for a professional maintenance of

the systems Aircon. R-134a and can be easily converted into a R-1234yf totally automatic station. Robinair developed these fully automatic units in collaboration with car manufacturers to ensure the maintenance of the systems-art Aircon of the next generation vehicles.

WHY BUY ME

- **EASY TO USE:** 20 languages – fully automatic station with including dye injection. The software can be programmed in only a few button presses
- **SPACE:** Its wheels have been specifically designed to let the station spin around its main axis and make it very easy to move around where space is limited
- **FAST:** Up to the minute data base – Manufactured by Autoclimate
- **BIG TANK:** The AC 1234-7 has a 10kg tank , plus large 170l vacuum pump
- **LOW RUNNING COST:** as gas recovery and recycle is 95%
- **VACUUM LEAK:** Vacuum leak detection and Built in diagnostic functionality
- **ELECTRONIC CONTROL:** The intelligent electronic control of refrigerant weight, pressure and temperature guarantees a minimum of refrigerant waste at the service process.
- **POWER:** Powerful compressor with a capacity of 500 g/min
- **PRINTER:** Integrated printer for detailed reports
- **EXTRAS:** The model is equipped with USB port, Ethernet interface and SD card
- **TECHNOLOGY:** The AC1234-7 has also been equipped with an innovative technology that enables the recuperation of more than 95% of the coolant from the vehicle.



SPECIFICATIONS

Refrigerant	HFO-1234yf
Refrigerant tank	9.09 kg
Recovery rate	0.95
Filling accuracy	+/- 10g
Compressor	3/8HP
Recovery quantity	300g/min.
Vacuum Pump	170Ltr/min. (6cfm)
Function procedure	Auto/Manual
Automatic service alarm	●
Additional ventilation	●
Automatic Taps	●
Automatic Oil injection	●
Automatic Dye injection	●
Automatic leak check	●
Automatic air discharge	●

Standard oil container UV	●
Refillable & hermetic oil cont. HR	●
Display	5,7" TFT ¼VGA
Database	●
Pressure Gauge	80mm
Status light	●
Hoses	2,45m
USB port	●
Hybrid Function (real hose flushing)	●
External Gas identifier	○
Flushing Kit	○
Tank Heater	●
Printer	●
Certification	CE-TUV

○ – Optional; ● – Standard

AC 1234-8 PRO

251 77 0750



The AC1234-8 is an automatic refrigerant management station with complete 'programme and walk-away' capability. It automatically controls the recovery, vacuum and recharging processes for oil, UV

dye and refrigerant, as well as filtering the recovered refrigerant. The AC1234-8 has a built-in refrigerant identifier, and an integral printer.

WHY BUY ME

- **EASY TO USE:** 20 languages – fully automatic station with including dye injection. The software can be programmed in only a few button presses
- **SPACE:** Its wheels have been specifically designed to let the station spin around its main axis and make it very easy to move around where space is limited
- **FAST:** Up to the minute data base – Manufactured by Autoclimate
- **BIG TANK:** The AC 1234-8 PRO has 10kg tank, plus large 170l vacuum pump
- **LOW RUNNING COST:** as gas recovery and recycle is 95%
- **VACUUM LEAK:** Vacuum leak detection and Built in diagnostic functionality
- **DEEP RECOVERY FUNCTION:** total recovery saves costs and protects the environment
- **ELECTRONIC CONTROL:** The intelligent electronic control of refrigerant weight, pressure and temperature guarantees a minimum of refrigerant waste at the service process.
- **PRINTER:** Integrated printer for detailed reports
- **REFRIGERANT:** 99% of the refrigerant is evacuated from vehicle and hoses
- **VACUUM PUMP:** Double-stage vacuum pump with delivery volume of 170 l/min
- **EXTRAS:** The model is equipped with USB port, Ethernet interface and SD card slot as well as a thermal printer.



SPECIFICATIONS

Refrigerant	HFO-1234yf	Standard oil container UV	●
Refrigerant tank	9.09 kg	Refillable & hermetic oil cont. HR	●
Recovery rate	0.95	Display	5,7" TFT ¼VGA
Filling accuracy	+/- 10g	Database	●
Compressor	3/8HP	Pressure Gauge	80mm
Recovery quantity	300g/min.	Status light	●
Vacuum Pump	170Ltr/min. (6cfm)	Hoses	2,45m
Function procedure	Automatic/Manual	USB port	●
Automatic service alarm	●	Hybrid Function (real hose flushing)	●
Additional ventilation	●	External Gas identifier	● – Internal
Automatic Taps	●	Flushing Kit	○
Automatic Oil injection	●	Tank Heater	●
Automatic Dye injection	●	Printer	●
Automatic leak check	●	Certification	CE-TUV
Automatic air discharge	●		

○ – Optional; ● – Standard



AC 690 PRO YF

251 77 2050



Robinair AC690PROyf Automatic Aircon Machine for HFO1234YF. The AC690PRO is a fully automatic refrigerant management station with complete 'programme and walk-away' capability. It automatically controls the recovery, recycling, vacuum and re-

charging process for oil, dye and refrigerant. The AC690PRO has an extensive, integrated vehicle database, user database, built-in vehicle-specific diagnostics facility and integral printer.

WHY BUY ME

- **EASY TO USE:** 20 languages – fully automatic station with including dye injection. The software can be programmed in only a few button presses
- **SPACE:** Its wheels have been specifically designed to let the station spin around its main axis and make it very easy to move around where space is limited
- **FAST:** Up to the minute data base – Manufactured by Autoclimate
- **BIG TANK:** 20kg tank for garages carrying out over 10 services per day, plus large 170l vacuum pump to speed that service up
- **USE:** Low running costs as gas recovery and recycle is 95%
- **VACUUM LEAK:** Vacuum leak detection and Built in diagnostic functionality
- **DIAGNOSTIC PROGRAMME:** Saves time identifying “vehicle” faults, suggest out of 36 common faults depending on test results
- **MEMORY:** 4 MB memory facility to store and edit service data for up to an extra 250 vehicles
- **COMPRESSOR:** Hermetic 1/3 Hp compressor means fast and complete refrigerant recovery from the system at 500 gms pm
- **VACUUM PUMP:** Powerful two-stage 180 litres per minute vacuum pump to remove air and moisture
- **PRINTER:** Generates data to help the sales process as well as creating job records for you and your customers. Complete flexibility to print at any stage, includes customer and contact details



SPECIFICATIONS

Refrigerant	HFO-1234yf	Automatic air discharge	●
Refrigerant tank	20Ltr	Standard oil container UV	●
Recovery rate	<95%	Display	Graphic 160x120
Filling accuracy	+/- 10g	Database	●
Compressor	1/4HP	Pressure Gauge	63mm
Recovery quantity	300g/min.	Hoses	3m
Vacuum Pump	170Ltr/min.	USB port	●
Function procedure	Auto/Manual	Hybrid Function (real hose flushing)	●
Automatic service alarm	●	External Gas identifier	○
Automatic Taps	Manual	Flushing Kit	○
Automatic Oil injection	●	Tank Heater	●
Automatic Dye injection	●	Printer	●
Automatic leak check	●	Certification	CE

○ – Optional; ● – Standard

Clima 6000 Plus

251 77 0980



With the 6000 PLUS you can bring all “Made in Brain Bee” cutting edge technology into your garage. The 6000 PLUS takes advantage of Brain Bee R&D achievements on top level Aircon machines while optimizing it’s architecture and functions to become a minimal, compact and user-friendly station.

Fully automatic, top performance at a great price, this machine is one of the top selling Aircon machines into independent workshops and takes less than 30 services to have a return on investment.

WHY BUY ME

- **EASY TO USE:** 30 languages – fully automatic station with Autodata UK database, agriculture and earth-moving machinery database
- **SPACE:** Its wheels have been specifically designed to let the station spin around its main axis and make it very easy to move around where space is limited
- **FAST:** Extremely Fast charge with 700 grs x minute! Complete the charge under any Climatic condition and not using heating belt
- **BIG TANK:** with a 12 litre tank capacity the 6000 PLUS can handle up to 15 services a day without a top up
- **AIR PURGE SYSTEM:** Through special software, discharge of no condensable gases is only proposed when actually required. The operator can always decide when to perform the operation, always keeping full control over the Station. Replacing the traditional manual check performed using the vessel pressure gauge.
- **ECO-LOCK:** adaptors allow to recover refrigerant remained in the adaptor preventing the typical “Puff” effect, permit to save 5 grs x service (Patented technology)
- **LONG LIFE PUMP:** function, regenerate and extend the pump oil of up to 1000 hours! High saving cost in vacuum oil (Patented Technology)
- **OIL CLEAN:** function, 6000 PLUS can force recovered oil discharge in the final phase, allowing to save gas (normally used by traditional technology to ease oil discharge).
- **USB PORT:** allow to download the services, refrigerant used, customer data info



SPECIFICATION

Refrigerant	R134a	Standard oil container UV	●
Refrigerant tank	7,6Ltr	Display	Alpha Numeric
Filling accuracy	+/- 10g	Database	●
Compressor	1/4HP	Pressure Gauge	80mm
Recovery quantity	200g/min.	Hoses	3m
Vacuum Pump	140Ltr/min.	RS232 Port	●
Function procedure	Auto/Manual	Hybrid Function (real hose flushing)	○
Automatic service alarm	●	Flushing Kit	○
Automatic Taps	●	Printer	○
Automatic Oil injection	● – Temp.	Certification	PED
Automatic Dye injection	○		

○ – Optional; ● – Standard



6000 ECO 1234

251 77 1080



With 6000 ECO 1234 you can bring all “Made in Brain Bee” cutting edge technology to your garage with a very high value for money. It takes advantage of Brain Bee R&D achievements on top level A/C stations while optimizing its architecture and functions to become a minimal, compact and user-friendly station.

Extremely versatile, compact in size and light in weight, 6000 ECO 1234 is the ideal partner in your garage, either as your main

A/C station or as an additional station: its features assure you stay productive everywhere.

6000 ECO 1234 has been designed so as to make it extremely easy to handle and store. Just 65 Kg, it is therefore highly manoeuvrable. Its wheels have been specifically designed to let the station spin around its main axis and make it very easy to move around where space is a limited resource

WHY BUY ME

- **EASY TO USE:** 30 languages – fully automatic station with Autodata UK database, agriculture and earth-moving machinery database
- **SPACE:** Its wheels have been specifically designed to let the station spin around its main axis and make it very easy to move around where space is limited
- **BIG TANK:** Excellent operating capacity, ensured by means of the HIGH PERFORMANCE VACUUM PUMP and the GAS VESSEL HAVING A CAPACITY OF 12 Litres for more than 15 service x day
- **AIR PURGE SYSTEM:** Through special software, discharge of no condensable gases is only proposed when actually required. The operator can always decide when to perform the operation, always keeping full control over the Station. Replacing the traditional manual check performed using the vessel pressure gauge.
- **ECO-LOCK:** allow to recover refrigerant remained in the adaptor preventing the typical “Puff” effect, permit to save 5 grs x service (Patented technology)
- **LONG LIFE PUMP:** Brain Bee provides the whole CLIMA range with a SPECIAL FUNCTION allowing for an extension of up to 1.000 hours of the average life of the oil in the pump used in the station. It can be activated when the station is not used, it allows for the automatic execution of a cycle of oil regeneration; oil is hence purified and has a longer life cycle, thus reducing operating costs.
- **OIL CLEAN FUNCATION:** This allows maintaining your recharge station top efficiency. Calculation of the new oil quantity to be injected into the vehicle will always be extremely accurate, from the first to very last charge of the day, regardless of the environmental conditions.
- **USB:** The USB port allow you to download the services, refrigerant used, and customer data information



SPECIFICATIONS

Refrigerant	hfo-1234yf	Standard oil container uv	x
Refrigerant tank	12Ltr	Refillable & hermetic oil cont. Hr	
Filling accuracy	+/- 10g	Display	Alpha Numeric
Compressor	8cc	Database	●
Recovery quantity	200g/min.	Pressure gauge	80mm
Vacuum pump	140Ltr/min	Hoses	3m
Function procedure	Automatic/Manual	Usb port	●
Automatic service alarm	●	Tank heater	●
Automatic taps	●	Printer	●
Automatic oil injection	● – temp.	Certification	PED

MULTIGAS CLIMA 8500 PLUS

251 77 1060



The Multigas Clima 8500 Plus is the ideal Aircon machine for those who want get the best results without any complications. Fitted with clear and precise dials for accurate pressure measurement the MULTIGAS 8500 also includes electronic solenoids to deliver an extremely friendly and intuitive operating interface.

Full automatic, with high performance. The Multigas Clima 8500 Plus machine is the right model for workshops and official dealers offering up to 5 service per day.

WHY BUY ME

- **EASY TO USE:** 30 languages – fully automatic station with Autodata UK database, agriculture and earth-moving machinery database
- **SPACE:** Its wheels have been specifically designed to let the station spin around its main axis and make it very easy to move around where space is limited
- **FAST:** Under any climatic condition, refrigerant recovery from a vehicle is perfect, complete and always guaranteed. The following recharge will hence take less time, without any additional support function, and will thus result in reduced power consumptions.
- **BIG TANK:** Big refrigerant tank with 20 liters it is the ideal machine for intensive use
- **AIR PURGE SYSTEM:** Through special software, discharge of no condensable gases is only proposed when actually required. The operator can always decide when to perform the operation, always keeping full control over the Station. Replacing the traditional manual check performed using the vessel pressure gauge.
- **ECO-LOCK:** allow to recover refrigerant remained in the adaptor preventing the typical “Puff” effect, permit to save 5 grs x service (Patented technology)
- **LONG LIFE PUMP:** The HPV PUMP can reach better vacuum levels earlier, ensuring performance and efficiency when recovering refrigerant from the vehicle.
- **OIL CLEAN FUNCTION:** This allows maintaining your recharge station top efficiency. Calculation of the new oil quantity to be injected into the vehicle will always be extremely accurate, from the first to very last charge of the day, regardless of the environmental conditions.
- **PRINTER:** The MULTIGAS 8500 PLUS is equipped with a printer to print service reports.



SPECIFICATIONS

Refrigerant	R134a	Standard oil container UV	●
Refrigerant tank	20Ltr	Display	TOUCH SCREEN 4,3"
Filling accuracy	+/- 10g	Database	●
Compressor	14cc	Pressure Gauge	80mm
Recovery quantity	350g/min.	Hoses	4,5m
Vacuum Pump	140Ltr/min.	RS232 Port	●
Function procedure	Automatic/Manual	Hybrid Function (real hose flushing)	○
Automatic service alarm	●	Nitrogen leak check	○
Automatic Taps	●	External Gas identifier	○
Automatic Oil injection	●	Flushing Kit	○
Automatic Dye injection	●	Tank Heater	●
Automatic leak check	●	Printer	●
Automatic air discharge	●	Certification	PED

○ – Optional; ● – Standard



CLIMA 1234 HO

251 77 1030

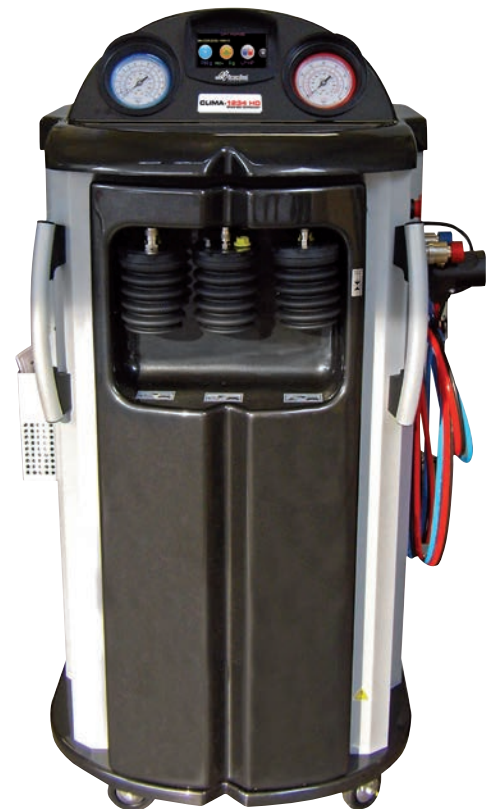


The Brain Bee Clima 1234 HO is designed and homologated to meet the exacting standards of the vehicle manufacturers. The heart of CLIMA 1234-HO is its LCD DISPLAY. Simple and intuitive, the touch screen displays all the operating functions, in colour

pictures, which can be activated in a quick and precise manner. The extreme brightness of the display ensures good visibility of parameters in almost all lighting conditions.

WHY BUY ME

- **EASY TO USE:** Besides the modern display, the station is equipped with analog pressure gauges, ensuring full control. You can also store up to 100 different additional customised configurations (CUSTOM CYCLE function).
- **SPACE:** Its wheels have been specifically designed to let the station spin around its main axis and make it very easy to move around where space is limited
- **BIG TANK:** Excellent operating capacity, ensured by means of the HIGH PERFORMANCE VACUUM PUMP and the GAS VESSEL HAVING A CAPACITY OF 26 LITERS the stations is equipped with.
- **AIR PURGE SYSTEM:** Through special software, discharge of no condensable gases is only proposed when actually required. The operator can always decide when to perform the operation, always keeping full control over the Station. Replacing the traditional manual check performed using the vessel pressure gauge.
- **ECO-LOCK:** allow to recover refrigerant remained in the adaptor preventing the typical "Puff" effect, permit to save 5 grs x service (Patented technology)
- **LONG LIFE PUMP:** Brain Bee provides the whole CLIMA range with a SPECIAL FUNCTION allowing for an extension of up to 1.000 hours of the average life of the oil in the pump used in the station. It can be activated when the station is not used, it allows for the automatic execution of a cycle of oil regeneration; oil is hence purified and has a longer life cycle, thus reducing operating costs.
- **OIL CLEAN FUNCTION:** This allows maintaining your recharge station top efficiency. Calculation of the new oil quantity to be injected into the vehicle will always be extremely accurate, from the first to very last charge of the day, regardless of the environmental conditions.
- **PRINTER:** The Brain Bee Clima 1234 HO has an integrated printer, a document with the positive outcome of the operations can be issued.



SPECIFICATIONS

Refrigerant	HFO-1234yf	Hermetic oil containers HD	●
Refrigerant tank	26Ltr	Display	Touch Screen 4,3"
Filling accuracy	+/- 10g	Database	●
Compressor	1/3HP	Pressure Gauge	80mm
Recovery quantity	350g/min.	Hoses	4,5m
Vacuum Pump	100Ltr/min.	RS232 Port	●
Function procedure	Automatic/Manual	USB port	●
Automatic service alarm	●	Hybrid Function (real hose flushing)	○
Additional ventilation	●	"Puff Free" quick couplers	●
Automatic Taps	●	External Gas identifier	○
Automatic Oil injection	●	Flushing Kit	○
Automatic Dye injection	●	Tank Heater	●
Automatic leak check	●	Printer	●
Automatic air discharge	●	Certification	PED

○ – Optional; ● – Standard

North Cape PLUS

251 77 0310



STANDARD FEATURES:

- Automatic AC Machine with Recovery, Recycling, Vacuum and Re-charge
- Oil Injection
- Oil Discharge at end of cycle
- 3m Charge Hoses complete with R134a couplers
- Multilingual Vehicle data base (Car Type, Model, Charge weight)
- Thermal Printer
- Tank warming system

TECHNICAL DATA:

- Refrigerant R134a
- Compressor 9cc
- Vacuum Pump 2cfm
- 11Ltr Tank
- Voltage 230/50 1Ph
- Dimensions: 410x450x1020mm
- Weight 60Kg

North Cape NANO

251 77 1070



STANDARD FEATURES:

- Automatic AC Machine with Recovery, Recycling, Vacuum and Re-charge
- Oil Injection
- Oil Discharge at end of cycle
- 3m Charge Hoses complete with R134a couplers
- Multilingual Vehicle data base (Car Type, Model, Charge weight)

TECHNICAL DATA:

- Refrigerant R134a
- Compressor 9cc
- Vacuum Pump 2cfm
- 4Ltr Tank
- Voltage 230/50 1Ph
- Dimensions: 380x420x580mm
- Weight 40Kg

The Vacufill

252 77 5800

The Vacufill is a coolant exchanger based on the use of compressed air. With simple knob controlled operations, the coolant exchange process can now be completed in 15 minutes, in a non-labour intensive fashion.

Suitable for use on most vehicles with an expansion tank, overflow tank or overflow pipe-based systems.

The Vacufill comes supplied with a range of adapters and does not require vehicle hoses to be cut or disconnected – saving the cost of replacement parts and potential lost labour time.

FEATURES:

- Efficient coolant exchanger and cooling system test machine
- Safe and low cost to operate – designed for long service life
- Water and anti-freeze pre-mixed to prescribed ratios
- Refill with new coolant or re-use evacuated coolant
- Rubber connection adapters and universal cone
- Waste reservoir with scale sight glass and drain tap
- Easy read measurement gauge for recovered coolant
- Top-mounted fill tank with scale label and filter
- Vacuum pressure gauge
- 12V pump to empty reservoir
- No mains electric or moving parts
- Key chart with user guide valve settings
- Labelled control valves
- Swivel castors for easy manoeuvrability
- Refills in seconds – choose new or used coolant



Neutronics Refrigerant Identifier

256 77 0050

The Ultima ID Refrigerant Identifier delivers the features and benefits today's professional A/C technicians want. Its ergonomic design and exceptionally portable design make it easy and profitable to use.

CAPABILITIES:

Utilises dispersive infrared (NDIR) technology to determine the weight concentrations of R12, R134a, R22, hydrocarbons and air. "Blend-ID" analytical software identifies all EPA S.N.A.P. approved blends. Identifies illegal replacements and blends including propane and butane. Quickly and automatically determines if the purity of R134a refrigerant is at industry acceptable levels.

SPECIFICATIONS:

- Weight: 8.0 lb
- Power requirements: 12-15V DC, Optional battery pack (Internal)
- Output: Digital display and LEDs, Optional printer module (Internal)
- Refrigerant: R12, R134a, R22, HC, and EPA S.N.A.P. approved blends
- Display: 128 x 64 Pixel Graphing
- Resolution: 0.1%
- Operating humidity: 0-95% RH non-condensing
- Operating temperature: 40°F to 130°F
- Warranty: 1 year

FEATURES:

- Optional built-in printer for easy customer billing
- Optional built-in rechargeable power pack and car battery clips
- Large graphing display for easy reading / operation
- Rugged portable case
- R12 and R134a sample hoses
- R134a adapter fitting for ACME ported cylinders
- 12V DC battery clips



Neutronics Refrigerant Identifier Accessories

Filter

256 77 0070



R134a Hose

256 77 0080



Thermal print paper roll

256 77 0130



Printer-module

256 77 1250



Battery

256 77 1260



Vehicle Battery Clamp & Leads

12V
256 77 1270



Battery and Charger Pack

256 77 1280



Neutronics Ultima 1234YF & R134a Refrigerant Identifier

248 77 2640

This newly developed instrument boasts a brand new and much more powerful processor, that makes the identification of a multitude of refrigerants possible.

Works on the same principles as the 256 77 0050, but is much faster and carries more refrigerants. Also, as more refrigerants come to market; the instrument is updatable through a memory card.

SPECIFICATIONS:

- Weight: 5Kg
- Refrigerant Detected: R-22,
- R-410, R-402, R-404a, R-406a,
- R-407, R-408a, R-409, R-410a,
- R-414, R-134a, R-416a, R-417a,
- R-421, R-422, R-427a,
- HFO1234YF



Robinair 1234YF Refrigerant Identifier with built-in printer

265 77 9240

The 1234-IDV refrigerant identifier provides a fast, easy and accurate means to determine purity in R1234yf refrigeration systems.



Neutronics Mini Refrigerant Identifier

256 77 1190

CAPABILITIES:

- Neutronics Mini ID R134a
- The extraction of contaminated vehicle refrigerant can damage expensive R134a service and recovery equipment
- The new Mini ID helps protect your business by keeping your equipment safe

SPECIFICATIONS:

- Weight: 0.8Kg
- Refrigerant Detected: R134a (Tetrafluoroethane)
- Accuracy: PASS/FAIL – 95% Pure R134a
- Power Requirements: 12V DC
- Approvals: SAE J1771 and CE (Pending)
- User Interface: Membrane type with visual indicators and function key
- Calibration Method: Manual pump aspirator
- Storage Temperature: -10°C – 50°C
- Operating Temperature: 10°C – 45°C
- Construction Material: Moulded ABS Housing/ Moulded Rubber Sleeve



Oil Mist Filter

256 77 1290

For Mini Identifier
256 77 1190



Low Side Female 14mm R134a Coupler

248 77 0051



HFO-1234YF Low Side (Blue) Quick Coupler

248 77 0700



Low Side (Blue) R134a Port Extension Coupler

248 77 3090



Atom Machine Ultrasonic Nebuliser with 48 Bottles

244 77 0250

The ATOM MACHINE is a powerful electronic ultrasonic nebuliser designed to atomise the specially formulated Atom sanitising liquid, the resulting fine vapours (less than 5µ) are distributed by the vehicles A/C System to sanitise and deodorise the cabin and A/C System.

The Atom Machine is supplied with 48 bottles of 200ml Atom Sanitising Treatments. The Atom system provides an effective yet economical sanitising and deodorising solution.

- Power supply: 220V–50/60 Hz
- Operating temperature: 0°C–60°C
- Nebulisation rate: ≈390ml/h
- Dimensions: 170x110x170mm
- Weight: 0.7Kg



244 77 0410	Atom Purifying Liquid Lemon	24 Bottles (250ml)
244 77 0420	Atom Purifying Liquid Pure	24 Bottles (250ml)
244 77 0430	Atom Purifying Liquid Green	24 Bottles (250ml)
244 77 0440	Atom Purifying Liquid Mint	24 Bottles (250ml)

Total Killer Bact

(double application)

- 244 77 0290 – Mint
- 244 77 0300 – Lemon
- 244 77 0310 – Talc
- 244 77 0320 – Vanilla

WHAT IS IT?

- Total Killer Bact foam safely, deeply and quickly cleanses internal air passage surfaces,

including the A/C evaporator, clearing away odour-causing residuals and impurities.

BENEFITS:

- Smart solution – easy to apply. Leaves vehicle and interior smelling fresh and clean
- Effective and deep cleansing action
- Provides fresh clean air



ZONE Killer bact

Evaporator Treatment
Mint Fragrance
200ml
244 77 0330



ZONE Killer bact

Evaporator Treatment
Lemon Fragrance
200ml
244 77 0340



ZONE Killer bact

Evaporator Treatment
Talc Fragrance
200ml
244 77 0350



ZONE Killer bact

Evaporator Treatment
Vanilla Fragrance
200ml
244 77 0360



Mist Ultrasonic Evaporator Cleaning Unit

244 77 0080

- Treats the problems of Mould, Mildew and Bacteria
- Portable 12 volt ultrasonic unit
- Treats the entire ventilation system
- Eliminates offensive odours
- Takes only 15 minutes
- Cost effective and profit generating
- Part of a preventative maintenance schedule



Replacement Parts:
Mist Ultrasonic
Bacterial Cleaning Fluid
244 77 0090

Mist Ultrasonic Bacterial Cleaning Fluid

1 Bottle Per Vehicle

244 77 0090



To be used with:
Mist Cleaning Unit
244 77 0080

Mist Vent Air Freshener

(1 Pack of 12)

BENEFITS:

- Provides a fresh fragrance inside the vehicle's interior
- Activates with air flow
- Easy clip on vent application
- Colour coded for different fragrances



244 77 0120 – Summer
244 77 0130 – Apple
244 77 0140 – Citrus
244 77 0150 – Vanilla

Normfest Viro

Evaporator Treatment
1 Treatment Per Vehicle
NOR2897300



Normfest Viro (1 Shot)

Evaporator Treatment
1 Treatment Per Vehicle
NOR2897300100



1 Shot A/C Anti-Bac De-Odouriser Fresh Water Fragrance

100ml Tin
Individual
244 77 0170



Pure O₃ Zone Vehicle AC Cleaning Machine

244 77 0160

WHAT IS IT?

Pure Ozone is a highly portable but powerful ozone generator.

HOW DOES IT WORK?

Ozone (O₃) gas has a particular odour that you may notice after a lightning storm. Ozone molecules are created when three oxygen atoms combine. Ozone has been scientifically proven to be a powerful antimicrobial agent that, thanks to its oxidising action, neutralises bacteria, mould, yeasts, parasites and viruses. It also has no harmful lingering effects since it quickly breaks down to O₂ leaving no residual vapours: therefore, it is a completely eco friendly product meeting ISO14001 and EMAS standards.

WHAT CAN OZONE DO?

Volatile chemical compounds caused by contaminants, effectively create bad odours due to their chemical structures (osmophores, odorophores). Due to its high oxidising power, ozone provides powerful anti-odour and disinfecting actions especially when in a gas form. Ozone eliminates bad odours, it does not just mask them like many air fresheners, ozone destroys the chemical compounds, purifying surrounding air and totally eliminating unpleasant odours. Ozone is effective against cigarette smoke, it turns carbon monoxide (a toxic gas) into carbon dioxide (an inert gas) and it is able to oxidize oily film deposits on surfaces left by smoke. Ozone is particularly beneficial as an anti-odour treatment for furnishing textiles and carpets.

BENEFITS:

- Eliminates bad odours from interior surfaces (Vehicles, Boats, Houses, Refrigerators, etc.)
- Effective against Tobacco smells.
- Effective against Food and Pet smells
- Quickly kills micro-organisms (viruses, bacterium, spores, moulds, parasites, protozoa, etc.)
- Maintenance free; self contained no need for manpower, equipment or consumables
- No harmful substances used and no residual products remain (O₃ decomposes to O₂)

IMPORTANT CAUTION:

All living organisms and humans must not be present in the room while the machine is on. The room must be fully ventilated prior to occupation.

FEATURES:

- Power supply: 100-220V – 50/60 Hz
- Operating temperature: 0°C – 60°C
- Ozone production: 800mg/h
- Dimensions: 285x130x210mm
- Weight: 2.9Kg



Aircomatic® is the ultimate system for removing microbial growth and odours and being nearly 20 years old is now in its 3rd generation The Aircomatic® III also includes an on-board ozone generator (use with Air Purifier) to enable workshops to not only treat bacteria in A/C systems, but also rid passenger compartments from all odours including pet smells and lingering cigarette odour. Aircomatic® is also used and approved by many of the leading vehicle manufacturers.

Aircomatic III Machine

555 77 0280



Airco-Clean Ultrasonic Fluid for Vehicles

100ml
555 77 0170



Air Purifier Cleaning Fluid for Vehicles

60ml
555 77 0180



Infrared Thermometer Gun with Laser

253 77 0040

Offers laser targeting accuracy, enhanced backlit LCD Display and an expanded temperature range. The compact design is simple to use and easy to store.

- Temperature Range: -50°C – 500°C (-58°F – 932°F)
- Field of View: 12:1



SPECIFICATIONS	253 77 0040	253 77 0270
Non-Contact Temperature Range	-50°C–500°C (-58°F–932°F)	-50°C-500°C (-58°F–932°F)
Field Of View	12:1	12:1
Display Illumination	Backlit LCD Display	Backlit LCD Display
Target Indicator	Single Laser Spot	Dual Laser Spot
Emissivity	0.98	0.98
Resolution	0.5°F / 0.5°C	0.5°F / 0.5°C
Accuracy	±2°C (4°F) or ±2% of reading	±2°C (4°F) or ±2% of reading
Response Time	0.5 seconds	0.5 seconds
Power Off	Automatic after 15 seconds	Automatic after 15 seconds
Battery Life	Approximately 180 hours	Approximately 180 hours
Included Accessories	2 x AAA batteries, instruction manual, plastic moulded carrying case	2 x AAA batteries, instruction manual, plastic moulded carrying case

Infrared Thermometer Gun with Dual Laser

253 77 0270

Features both infrared and dual laser technologies.

- Temperature Range: -50°C – 500°C (-58°F – 932°F)
- Field of View: 12:1



Pocket Size Water Resistant Thermometer

253 77 0160



Infrared Thermometer Gun with Laser

253 77 0170



Infrared Mini Thermometer with Laser

253 77 0180



Pocket Thermometer (Pen-Knife Style)

253 77 0150



Dual Temp/Infrared Thermometer

253 77 0280

The Dual Temperature Thermometer offers both infrared and contact probe technologies.

- Infrared Temp Range: -67°F – 428°F (-55° – 220°C)
- Probe Temp Range: -67°F – 626°F (-55°C – 330°C)
- Field of View Ratio: 1:1



Hand-held Waterproof Digital Thermometer

253 77 0290

- Measuring Range: -50°–300°C (-58°–572°F)
- Maximum/minimum temperature memory
- Celsius and Fahrenheit exchange
- Data hold function



Test Thermometer Digital

253 77 0060



Infrared Thermometer Pen with LED

1:1 Fieldpiece SIL2

253 77 0260



R134a Electronic Leak Detector with built-in LED Light & UV Glasses

261 77 0010

This revolutionary design allows the user to perform Electronic and UV Leak Detection all with one tool. Offering six levels of sensitivity (15 levels of detection) with a tri-coloured LED indicator.

This allows it to pin-point leaks as small as 3g (1/10oz) per year. The ultra bright UV light is built into the end of the probe allowing easy access into tight areas.

Incorporating both electronic and UV technology into one unit insures that even the toughest leaks can be found.

FEATURES:

- Ultra bright UV/blue LED light
- UV safety glasses
- 6 levels of sensitivity (15 levels of detection)
- Tri-coloured Visual Leak Level Indicator
- Mute function
- Detects leaks as small as 3g (1/10 oz) per year
- Detects all refrigerants, CFC's, HCFC's, HFC's
- Includes a custom moulded carrying case



R134a Electronic Leak Detector

261 77 0090

Both this and the Leak Detector above offer revolutionary features and state of the art micro processing technology. The sensor delivers an accurate and instantaneous response. Both units come in a heavy duty custom moulded carrying case and meet SAE J1627 and CE conformity. Offers an accurate and reliable solution to Electronic Leak Detection.



Replacement LED Light

254 77 0140

for 254 77 0010
or 261 77 0010



Replacement Sensor Tip

254 77 0200

for 254 77 0010, 261 77 0010
and 261 77 0090



Leak Detectors

Machines

Combustible Gas Leak Detector with Built in LED Light

261 77 0100

Ideal for detecting leaks in Hydrogen/Nitrogen mixes. Offering the most advanced sensor technology with a state-of-the-art microprocessor, this unit detect leaks quickly and accurately. The flexible 15" probe has a bright LED light built into the tip for easy viewing in hard to reach locations. The membrane switch panel offers easy one touch control and operation. Each of the six levels of sensitivity has an audible alarm and visual indicator to identify leak activity. These units include the rechargeable Ni-MH battery (nearly double the power of existing Ni-Cad batteries) and comes in a custom moulded case.

FEATURES:

- Six Sensitivity Levels
- Reset Function
- Automatic Warm Up
- Bright LED Light
- Audible Leak Alarm & Visual Leak Size Indicator
- Rechargeable Ni-MH Battery
- Low Battery Indicator
- Custom Moulded Carrying Case
- Made in USA

SPECIFICATIONS:

- Operating Temp: 0°C – 52°C (32°F – 125°F)
- Power Supply: 2 C-Size 1.5V Ni-MH

BATTERY:

- Battery Life: 8hrs per cycle (1000 cycles)
- Warm-Up Time: 25 seconds
- Probe/Core Length: 381mm (15")
- Dimension: 178 x 178mm (7x7")
- Weight: 0.49Kg (1.10 lbs)
- Ultimate Sensitivity: 50–1000ppm



DETECTS:

Acetone, Acetylene, Ammonia, Benzene, Butane, Butanol, Chlorine, Ethane, Ethanol, Gasoline, Hexane, Hydrogen, Hydrogen Sulphide, Isobutane, Methane (natural gas), Methanol, Methyl Acetate, Methyl Chloride, Methyl Ether, Naptha, N-Butane, Pentane, Propane, Propanol, Sulphur Dioxide and Trichloroethane

Additional Tooling

Consumables

D-440 Techno Tools Electronic R134a/HFO1234YF Leak Detector

254 77 0180

- The D-440 Electronic Leak Detector meets the (2008) SAE J2791 standard.
- The heated sensor technology with the user-selectable 3 sensitivity levels, and the digital leak size indicator make the D-440 an easy to use instrument.
- By using the latest electronic technologies the sensor life is vastly extended. Furthermore, replacement sensors are relatively inexpensive.
- Supplied in carry case.

TECHNICAL SPECIFICATIONS:

- Sensitivity: As per SAE J2791
- Sensitivity levels: 3
- Power Supply: 4 AA Penlight Batteries
- Working Temperature: 0°C – 40°C



D-640 Techno Tools Nitrogen/Hydrogen Leak Detector

254 77 0640



For finding leaks of "Tracer Gas" (Nitrogen 95% / Hydrogen 5%)

System Repair

A/C Parts

Robinair 22791 Infrared Refrigerant Leak Detector

261 77 0160

The Robinair 22791 is a hand held lithium battery operated, infrared leak detector for fast and accurate results. Easy to use – once a self calibration has been carried out, after being switched on it will give response times in less than half a second.

- Power supply: 7.4VDC (nominal) rechargeable lithium ion polymer battery
- Battery Life: Approximately 8 hours when fully charged
- Gases measured: CFC, HFC, HCFC blends
- Sensing element: Infrared
- Warm up time: 30 seconds
- Response time: Less than ½ second
- Accuracy: Meets SAE J2791 standards
- Sensitivity levels: HIGH (0.15 oz/year and higher), MEDIUM (0.25 oz/year and higher), LOW (0.5 oz/year and higher)
- Calibration: Automatic
- Probe length: 15 inches



Marksman 2 Ultrasonic Leak Detector

261 77 0150

Full master kit complete with air probe, contact probe, headphones and carrying case (includes 9 volt battery).

APPLICATIONS:

- A/C – Refrigeration
- Automotive
- Industrial
- Marine
- Railroad
- Heavy duty Trucks
- Gear & bearing wear
- Vacuum leaks
- Evap system leaks
- Electrical discharge
- Exhaust leaks
- Refrigerant leaks
- Gas & liquid turbulence
- Cabin seal/gasket integrity
- Complies with ROHS directive

IDEAL FOR DETECTING:

- Air brake leaks
- Compressed air leaks



TIF Leak Detector – Heated Pentode for CFC HCFC & HFC Refrigerants

261 77 0270

Sophisticated microprocessor control and Heated Pentode combined offers the greatest sensitivity and fastest response of any portable leak detection available.

FEATURES:

- Refrigerants: all halogenated refrigerants
- Type: Heated pentode
- 14" Stainless steel flexible probe
- Tricolour visual Display and Audible signal
- Tactile keypad controls with one touch reset and adjustable sensitivity
- Approvals: CE, UL & SAE J1627
- Mechanical pump provides instant response & clearing
- Battery test function
- Leak Detection 0.1oz (3g) per annum
- Carrying case included
- Power Ni-Cad rechargeable batteries
- Microprocessor control with Digital signal processing



Robinair Electronic Leak Detector (16600) CFC HCFC HFC Refrigerants

261 77 0130

- This electronic leak detector is ergonomically designed to fit in your hand.
- The 261 77 0130 is packed with features which help pinpoint leaks quickly.
- 16" Goose neck probe holds it's position so the operator can detect leaks with one hand
- Audible & visual leak indicators
- Adjustable audible leak signal control
- Threshold balance control – eliminates background contamination
- Leak detection 0.5oz (15gms) per annum
- 4 x AA batteries included
- Refrigerants: All Halogenated refrigerants
- Type: Corona discharge
- Approvals: CE, UL & SAE J1627



Sensor Tip

252 77 2130

for Robinair Leak Detector 261 77 0130

Fieldpiece R134a Refrigerant Infrared Leak Detector

253 77 0130

The latest technology to detect refrigerant leaks. The gold plated infrared light cell filters the various sample gas components and evaluates the presence of a minute concentration of refrigerant. If the instruments detects a change in concentration of a suspected refrigerant; it will emit visual and audible alarms.

- Manufactured by Fieldpiece Inc – market leader in test and measure instruments – this instrument is supplied in a convenient carry case with several handy accessories:
- Metal probing extension
- Flexible probe extension
- Maintenance kit (filters and gaskets)
- 12VDC car cigarette lighter charging cable (for the rechargeable Lion battery)
- 220V AC charger (selected proper part number, for UK or DIN plug)



FEATURES:

- 10 year life expectancy sensor
- Self calibrating – also in environment with ambient contamination
- Virtually no false alarms by moisture, or fuel/oil vapours
- Measures leaks down to ¼ oz per year

UV Refillable Dye Injector

with 90° adaptor
245 77 0040

To be used with 242 77 0110
or 242 77 0130 UV Dye's



UV Dye Injection Kit

with UV Light, UV Glasses,
10 shot Dye Cartridge
254 77 0020

Replacement Parts:

- UV Light 254 77 0030,
- Dye Cartridge 10 shot 242 77 0040
or 25 Shot 242 77 0050



Mastercool 2 in 1 Leak Detector Kit

with Light, UV Dye Injection System & UV
Glasses
254 77 0010

Replacement Parts:

- Tip for Leak Detector 254 77 0200,
- UV Led Light for Leak Detector
254 77 0140,
- UV Hose 254 77 0120,
- UV Glasses 246 77 0010



Applicator Hose

254 77 0120

For 2 in 1 Leak Detector 254 77 0010
Replacement Injection Hose for
254 77 0010



Glogun Dye Injection System, Dye Cartridge, Qty 1, 24 Shot

254 77 0040

Replacement Parts:

- Glogun Dye Cartridge
242 77 0060



Spotgun Junior Multi Shot Dye Injection System

with Phazer UV Torch, Dye Cartridge,
UV Glasses, Dye Remover,
Qty 2, 1oz/30ml
254 77 0070

Replacement Parts:

- Spotgun Junior Injection Gun
254 77 0110,
- Spotgun Junior Cartridge Set of 4
254 77 0100,
- UV Phazer Torch 254 77 0060,
- Dye Remover 242 77 0070

Spotgun Junior Multi Shot

Dye Injection System, Dye Cartridge,
Qty 2, 1oz/30ml
254 77 0080

Replacement Parts:

- Spotgun Junior Injection Gun
254 77 0110,
- Spotgun Junior Cartridge Set of 4
254 77 0100



UV Dye Injection System,

Dye Cartridge, Qty 1, 8oz/250ml
254 77 0090

Replacement Parts:

- UV Dye Cartridge 242 77 0030,
- Injection Gun 254 77 0050,
- Injection Hose 248 77 0220



Machines

Spotgun Junior Injection Gun

254 77 0110

Replacement Injection Gun for 254 77 0080 or 254 77 0070



UV Cartridge Injection Gun

254 77 0050

Replacement Injection Gun for 254 77 0090



Hybrid UV Dye and Oil Refillable Injection Gun

50ml

254 77 0390



Additional Tooling

UV Complete Leak Detector Kit

(LF Kit) Brilliant Yellow

254 77 0310



UV Complete Leak Detector Kit

(FLF Kit) Brilliant Yellow

254 77 0320



HFO1234YF Hybrid UV Dye and PAG Oil Refillable Injection Gun

50ml

254 77 0400



Consumables

UV Complete Leak Detector Kit

(ELF Kit) Brilliant Yellow

254 77 0330

Practical and elegant package, which includes all you need to find leaks of refrigerant gas, occurring in Vehicle A/C Systems and Refrigeration Systems.

FEATURES:

- 250ml (8,5oz.) Self-Measured Bottle of Yellow U/V Dye
- 33 Identification Stickers
- 20ml (0,67oz.) Refillable Syringe Injector
- 120mm (4,72") Low Pressure Port Adapter for Systems with R134a
- 1 Led U/V – 3W Leak Detector Lamp
- Safety Goggles



System Repair

A/C Parts

UV Glasses

246 77 0010



Flexible Bright Torch 5 UV Led Leak Detector with Glasses

254 77 0030



Optimax Jr UV Leak Detection Lamp with Glasses

254 77 0280

Replacement Parts: UV Glasses 246 77 0010



Optimax 3000 UV Light with UV Glasses (Rechargeable)

254 77 0190

Replacement Parts: UV Glasses 246 77 0010



UV Swivel Head Light (12V/100 W) with UV Glasses

254 77 0230



- 180° Swivel head gets into tight places
- Instant ON
- Heavy duty metal construction
- Includes UV enhancing
- Safety glasses

UV Mini Light (12V/50 W) with UV Glasses

254 77 0240



- High intensity
- 16ft. (5m) cable
- Compact and lightweight
- Includes UV enhancing safety glasses
- Instant ON

Machines

Additional Tooling

Consumables

System Repair

A/C Parts



Wire Bright Torch (12V/100W) UV Leak Detector Light with Glasses

254 77 0290

- Power Supply: 12V
- U/V Light Frequency: 410-405nm
- Goggles 100% anti-U/V Protection
- Supplied with a Plastic carry case



Bright Magnifier Torch 6 UV Leak Detector Light with Glasses

254 77 0300

- Power Supply: 2 Batteries "AA" of 1.5V
- LED Wavelength: 385-380nm
- Goggles 100% anti-U/V Protection
- Supplied with a Plastic carry case



UV Rechargeable/Portable Light (12V/100 W) with UV Glasses

254 77 0250

- High intensity
- Compact and portable
- Cordless with rechargeable battery
- Includes UV enhancing safety glasses



High Bright Torch 1 UV Led Light with Glasses

254 77 0260



- Power Supply: 3 Batteries "C" of 1.5V (not included)
- U/V Light Frequency: 410-405nm
- Safety Goggles included

Mini Bright Torch 9 UV Led Light with Glasses

254 77 0270



- Power Supply: 3 Batteries "AAA" of 1.5V (not included)
- U/V Light Frequency: 410-405nm
- Safety Goggles included

Manifold Gauge Set

with 2 Valves and Analogue Displays
248 77 0250



Supplied with
Hoses and
Couplers

Leak Detector Spray

for use with nitrogen
pressure testing
242 77 0170



Manifold Gauge Set

with 2 Valves and Analogue Displays
248 77 0350



Supplied with
Hoses and
Couplers

Nitrogen Bottle Cart

for 10Ltr nitrogen bottles
248 77 0280



AC Safety Goggles

248 77 0870



AC Splash Protection Gloves

Sol-Vex 37-675, Size 10
248 77 0880



Red Charge Hose 1/4"

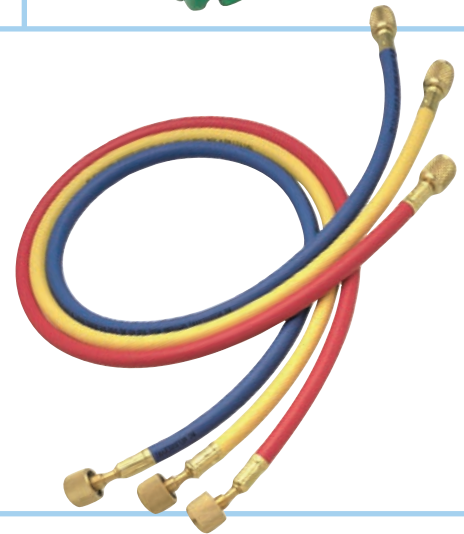
Female Flare to 1/4" Female Flare 180cm
248 77 0190

Yellow Charge Hose 1/4"

Female Flare to 1/4" Female Flare 180cm
248 77 0200

Blue Charge Hose 1/4"

Female Flare to 1/4" Female Flare 180cm
248 77 0210



Nitrogen Leak Testing Starter Kit

(Regulator/Hose/Coupler)
248 77 9480



Machines

Additional Tooling

Consumables

System Repair

A/C Parts

Machines

Portable Nitrogen Leak Detection Kit

248 77 0920



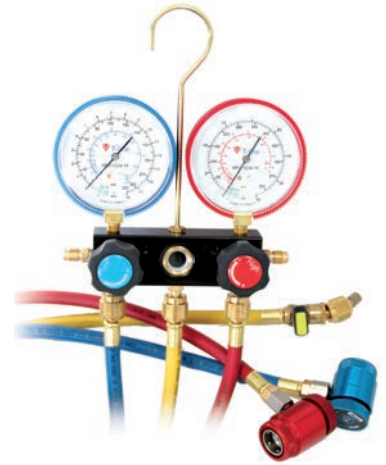
Gas-Nitrogen Disposable Cylinder

950g – UN1066
248 77 6370



HFO-1234YF Class 1 Manifold Set

with Hoses & Quick Couplers
248 77 0690



Additional Tooling

Nitrogen/Hydrogen Leak Pressure Testing Kit for HFO-1234YF

248 77 0720

KIT CONTAINS:

- Regulator
- Gauge/Valve
- Hoses
- HFO-1234YF Couplers
- D-640 Leak Detector
- Trolley

In order to make your leak detection choices easier and more efficient; we assembled a complete “turn key forming gas” leak detection kit. “Forming gas” is a special leak detection gas mixture. It is a mixture of 95% Nitrogen and 5% Hydrogen.

Because Hydrogen is the smallest molecule in the periodic table of elements; it also is the quickest to “leak out”. When we then use our D-640 special leak detector; you will for sure find the smallest leak in a heartbeat!

THE KIT CONSISTS OF:

- Proven and durable cart to easily wheel around the 10Ltr pressurised gas cylinder
- Easy to use and safe N2/H2 pressure regulator (0-28 bar) with Left Hand thread.
- Comfortable and accurate pressure test manifold with 3 way ball valve
- The use of a red static pointer allow you to visually see pressure drop on this 1% accurate gauge
- Convenient and safe hose between regulator and manifold
- Hose set (blue and red) for R-134a systems
- Dedicated H2/N2 electronic leak detector D-640

Please contact BOC Gases for Nitrogen/ Hydrogen bottle mix.

Consumables

System Repair

A/C Parts



Blue Hose 1/2" ACME Female to 14mm straight Male 2.5m

248 77 0940

Blue Hose 1/2" ACME Female to 14mm straight Male 5m

248 77 0950

Blue Hose 1/2" ACME Female to 14mm straight Male 7.5m

248 77 0960

Red Hose 1/2" ACME Female to 14mm straight Male 2.5m

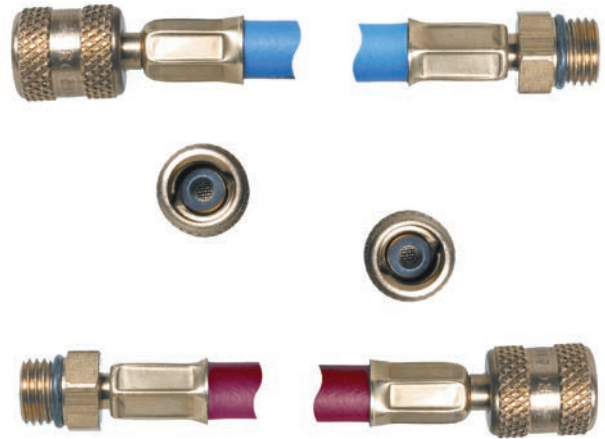
248 77 0970

Red Hose 1/2" ACME to Female 14mm straight Male 5m

248 77 0980

Red Hose 1/2" ACME Female to 14mm straight Male 7.5m

252 77 2510



Nitrogen Pressure Testing Kit

248 77 0270

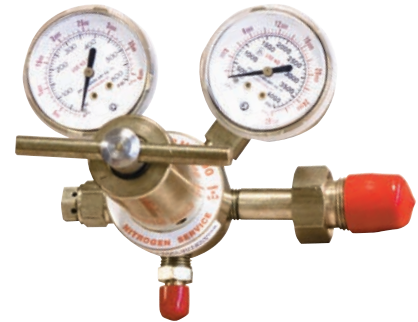


KIT CONTAINS:

- Nitrogen Regulator
- Gauges
- Hoses and Couplers

Nitrogen Regulator

257 77 0010



Nitrogen Pressure Testing Kit

248 77 0640

The T-line single valve nitrogen pressure test set allows for a very quick and reliable nitrogen pressure test on an automotive R-134a air conditioning system. The large single gauge (80mm at 1% accuracy) reads easily and accurately. The red dial pointer makes pressure drop a no-brainer.

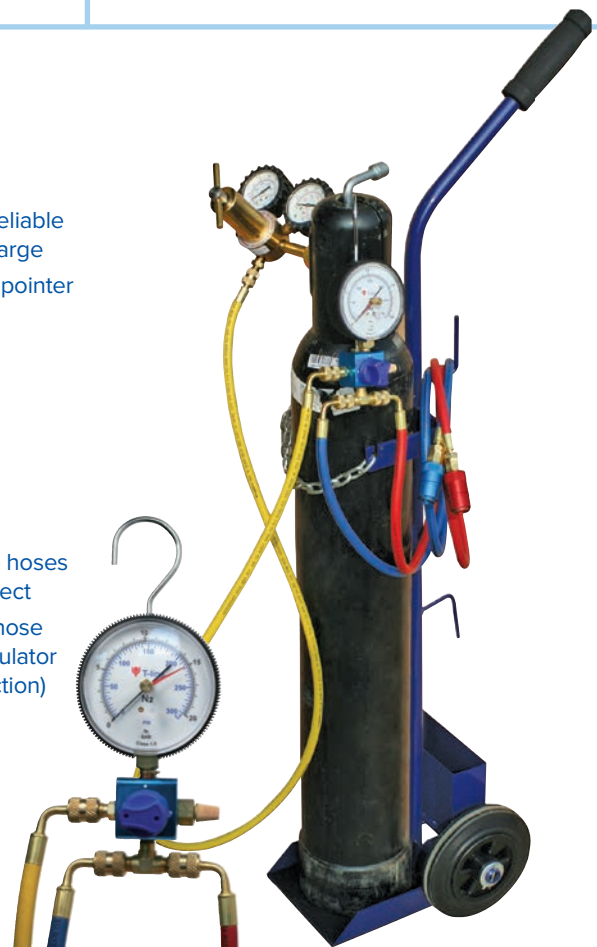
THE UNIT HAS THREE POSITIONS:

- Allow nitrogen pressure to enter
- Monitor pressure decay (or stability)
- Release nitrogen pressure to atmosphere

By manually positioning the red pointer over the regulated pressure, a pressure decay is easily monitored. The unique one gauge set up allows for easy reading of both the high and low pressure sides in one glance. The release damper makes the release safety and noiseless.

SCOPE OF SUPPLY:

- Single gauge manifold set with ball valve
- 80mm (1%) gauge with red secondary pointer
- 1.5 metre red and blue service hoses with high pressure quick connect
- One 1.8 metre yellow service hose for connection to nitrogen regulator (1/4"SAE - 7/16" - 20UNF connection)



Nitrogen/Hydrogen Pressure testing Kit for R134a systems

248 77 0730

In order to make your leak detection choices easier and more efficient; we assembled a complete “turn key” “forming gas” leak detection kit. “Forming gas” is a special leak detection gas mixture. It is a mixture of 95% Nitrogen and 5% Hydrogen. Because Hydrogen is the smallest molecule in the periodic table of elements; it also is the quickest to “leak out”. When we then use our D-640 special leak detector; you will find the smallest leak in a heartbeat!

THE KIT CONSISTS OF:

- Proven and durable cart to easily wheel around the 10Ltr pressurized gas cylinder
- Easy to use and safe N2/H2 pressure regulator (0-28bar) with Left Hand thread
- Comfortable and accurate pressure test manifold with 3 way ball valve
- The use of a red static pointer allow you to visually see pressure drop on this 1% accurate gauge
- Convenient and safe hose between regulator and manifold
- Hose set (blue and red) for R-134a systems
- Dedicated H2/N2 electronic leak detector D-640

KIT CONTAINS:

- Regulator
- Gauge
- Hoses
- Couplers
- Trolley
- Leak Detector

Not supplied with Nitrogen/Hydrogen bottle.

Please contact BOC Gases for Nitrogen/Hydrogen mix.



D-640 Techno Tools Nitrogen/Hydrogen Leak Dectector

for finding Leaks of “Tracer Gas” (Nitrogen 95%/Hydrogen 5%)

254 77 0640

The D-460 electronic leak detector is the first to market that meets the new SAE J2791 standard. The heated sensor technology with the user-selectable 3 sensitivity levels, and the digital leak size indicator make the D-460 an easy to use instrument.

By using the latest electronic technologies the sensor life is vastly extended. Furthermore, replacement sensors are relatively inexpensive. Supplied in carry case.

TECHNICAL SPECIFICATIONS:

- Sensitivity: As per SAE J2791
- Sensitivity levels: 3
- Power Supply: 4 AA Penlight Batteries
- Working Temperature: 0°C to 40°C



R134a Refrigerant 12Kg

241 77 0010



F-gas returnable surcharge bottle scheme

R134a Refrigerant 13.6Kg

241 77 0100



F-gas returnable surcharge bottle scheme

R134a Gas 12Kg

with 1/4" Flare Fitting
241 77 0170



Returnable Cylinder (HP/EIS)

High Side Gas Bottle Adaptor

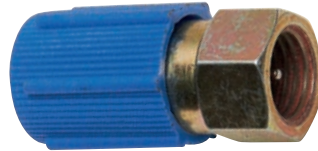
248 77 0120



To screw onto gas bottles (High side "Red" charge Hose)
To use with 241 77 0010, 241 77 0100, 241 77 0170

Low Side Gas Bottle Adaptor

248 77 0110



To screw onto gas bottles (Low side "Blue" charge Hose)
To use with 241 77 0010, 241 77 0100, 241 77 0170

Gas Recovery/Waste Cylinder

258 77 0010



To use for contaminated gases

HFO1234YF Gas 5Kg

241 77 0130



Returnable Cylinder

Two Set Adaptor Kit

248 77 0490

for 241 77 0130



Refrigerant Bottle Heater Blanket

248 77 0010



Fits around 241 77 0010, 241 77 0090, 241 77 0100

Refrigerant Tank Refillable 30lb Yellow (1/4" SAE Fittings)

258 77 0020

Refrigerant Tank Refillable 50lb Yellow (1/4" SAE Fittings)

258 77 0030

Refrigerant Tank Float Switch

258 77 0060

Refrigerant Tank Refillable 30lb Blue (1/2" ACME Fittings)

258 77 0040

Refrigerant Tank Refillable 50lb Blue (1/2" ACME Fittings)

258 77 0050



Machines

Additional Tooling

Consumables

System Repair

A/C Parts



Machines

PAG 46 Low Viscosity

250ml
243 77 0010



Equivalent Oils:
Denso ND8,
Sanden SP-10,
Zexel ZXL100PG

PAG 100 High Viscosity

250ml
243 77 0020



Equivalent Oils:
Denso ND9,
Sanden SP-20,
Zexel ZXL200PG

PAG 150 Ultra High Viscosity

250ml
243 77 0030



Equivalent Oils:
Ucon RL488,
Daphen SK20

A/C System Oil for Hybrid Compressors

250ml
243 77 0110



Equivalent Oils:
Denso ND11 Oil

Additional Tooling

PAG 46 Low Viscosity

1Ltr
243 77 0140



Equivalent Oils:
Denso ND8,
Sanden SP-10,
Zexel ZXL100PG

PAG 100 High Viscosity

1Ltr
243 77 0150



Equivalent Oils:
Denso ND9,
Sanden SP-20,
Zexel ZXL200PG

PAG 150 Ultra High Viscosity

1Ltr
243 77 0160



Equivalent Oils:
Ucon RL488,
Daphen SK20

Universal Ester Oil Emkarate RL2000

1Ltr
243 77 0100



Equivalent Oils:
PAO68

Consumables

Vaccum Pump Oil

1Ltr
243 77 0040



For Vaccum Pumps Only
(In A/C Charging Stations)

Universal PAO68 Oil with UV Dye

1Ltr
243 77 0130



Robinair Vacuum Pump Oil

16oz – 243 77 0270
1 US Gallon – 243 77 0280
1 US Quart – 243 77 0290



System Repair

PAG 150 Oil Cartridge

240ml
243 77 0080



To be used with
254 77 0090

PAG 46 Oil Cartridge

240ml
243 77 0050



To be used
with 254 77 0090

PAG 100 Oil Cartridge

240ml
243 77 0060



To be used
with 254 77 0090

PAG 125 Oil Cartridge

240ml
243 77 0070



To be used
with 254 77 0090

A/C Parts

PAG 46 HFO-1234YF A/C Oil

250ml – 243 77 0170
1Ltr – 243 77 0180
5Ltr – 243 77 0190
20Ltr – 243 77 0200
208Ltr – 243 77 0210



PAG 100 HFO-1234YF A/C Oil

250ml – 243 77 0220
1Ltr – 243 77 0230
5Ltr – 243 77 0240
20Ltr – 243 77 0250
208Ltr – 243 77 0260



Oil for R134a Systems

250ml
PAG 46 – 243 77 0300
PAG 100 – 243 77 0310
PAG 150 – 243 77 0320



UV Dye

Bottle Concentrated
250ml
242 77 0110



For use with standard R134a System (Not to be used on Hybrid Vehicles A/C systems)

UV Hybrid Dye

250ml
242 77 0130



For use with Hybrid Vehicle R134a System (Can be used in standard systems)

UV Dye for AC systems

1Ltr
242 77 0230



For use with standard R134a System (Not to be used on Hybrid Vehicles A/C systems)

UV Dye Cartridge R134a

PAG Only (1 Vehicle Only)
1 shot
242 77 0270



Flouro-Lite Bottles Dyes for all Air Conditioning & Refrigeration Systems

UV Dye for R134a

PAG Systems Only
1oz
242 77 0240



Flouro-Lite Bottles Dyes for all Air Conditioning & Refrigeration Systems

UV Leak Detection Fluid

for R134A/Hybrid/1234YF AC Systems
1Ltr
242 77 0540



Spotgun Junior UV Dye Cartridge

up to 40 applications
1oz/30ml x4
254 77 0100



To be used with 254 77 0080 applicator

Master Cool UV Dye Cartridge

10 shots
242 77 0040



Master Cool UV Dye Cartridge

25 shots
242 77 0050



UV Dye New Collapsible

Dye Bottle 125ml
for ECK machines – 252 77 1220
for HFO1234YF – 252 77 1520



when sold out you need upgrade part number 252770290

UV Dye for R134a

PAG Systems Only
8oz – 242 77 0370
16oz – 242 77 0250
32oz – 242 77 0260



Flouro-Lite Bottles Dyes for all Air Conditioning & Refrigeration Systems

Machines

Additional Tooling

Consumables

System Repair

A/C Parts



Machines

UV Dye Cartridge R134a

Only PAG
(12 to 14 Vehicles)
242 77 0290



Big EZ UV Dye Cartridge

4oz
242 77 0340



Big EZ UV Dye Cartridge

8oz
242 77 0350



Flouro-Lite Bottles Dyes for all Air Conditioning & Refrigeration Systems

To be used with
248 77 0910, 254 77 0350

To be used with
248 77 0910, 254 77 0350

Additional Tooling

UV Dye Cartridge

Universal R134a
(12 to 14 vehicles)
242 77 0300



Glogun UV Dye Cartridge

24 Shot
242 77 0060



UV Dye Cartridge R134a

PAG Only (1 Vehicle Only)
1 box of 6 shots
242 77 0280



Flouro-Lite Bottles Dyes for all Air Conditioning & Refrigeration Systems

Flourl Air Conditioning & Refrigeration Systems

Consumables

U View UV Dye Cleaner

32oz/960ml
242 77 0070



Supplied with spray nozzle

Glo Away Dye Cleaner

8oz
242 77 0310



Glo Away Dye Cleaner

16oz
242 77 0320



System Repair

Adaptor Injection Hose

248 77 0320

for Spotgun Jr Cartridges
254 77 0100
To be used with Spotgun Jr injection gun 254 77 0110



UV Dye Hose Ass'y

254 77 0350

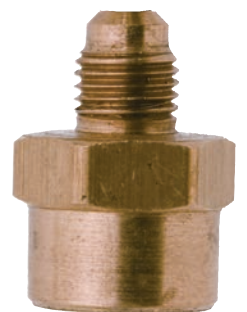
for EZ Ject Injector R134A
With Coupler
To be used with 242770340,
242770350, 254770351



Adaptor Intake Fitting

3/8" FFL - 1/4" MFL (13064)
248 77 0910

To be used with
242 77 0340,
242 77 0350,
254 77 0350



A/C Parts

R134a Service Port

248 77 0400

Thread Size
M15-1.0



R134a Service Port

248 77 0410

Thread Size
M13-1.0



R134a Service Port

248 77 0420

Thread Size
M13-1.0



R134a Service Port

248 77 0430

Thread Size
M16-1.0



R134a Service Port

248 77 0440

Thread Size
M13-1.0



R134a Service Port

248 77 0450

Thread Size
M15-1.0



R134a Service Port

248 77 0460

Thread Size
7/16-20



R134a Service Port

248 77 0470

Thread Size
M12-1.5



R134a Service Port

248 77 0480

Thread Size
7/16-20



High Pressure 1/4" Female Flare

Retro fit Adaptor
248 77 0120



High Pressure 3/16" Female Flare

Retro fit Adaptor
248 77 0130



Adaptor 1/4" Female Flare Male to 1/2" Acme Female

248 77 0080

Supplied without Schrader Valve



High Pressure 3/16" 90° Female

Flare Retro fit Adaptor
248 77 0160



Low Pressure 1/4" 90° Female Flare

Retro fit Adaptor
248 77 0140



High Pressure 1/4" 90° Female Flare Retro fit Adaptor

248 77 0150



Adaptor Brass 1/2" Female Acme

to R134a Coupling low-side
248 77 0890



Adaptor 1/2" Acme Female to 1/4" Male Flare

248 77 0260

Supplied without Schrader Valve



Retrofit Adaptor Assortment Kit

245 77 0410



Thread Repair Tool

245 77 0430



Low Pressure 1/4" Female Flare Retro fit Adaptor

248 77 0110



Adaptor Intake Fitting 3/8" FFL - 1/4" MFL (13064)

248 77 0910



Charging Adaptor 1/4" Flare Male to 3/16" Flare Female

248 77 0100

For use with standard R134a System (Not to be used on Hybrid Vehicles A/C systems)



Adaptor 14mm Male to 1/4" Male Flare

248 77 0090

Supplied without Schrader Valve, to be used with R134a couplers 248 77 0020 & 248 77 0030



Machines

Additional Tooling

Consumables

System Repair

A/C Parts



Machines

High Side Male 1/4" Flare R134a Coupler

248 77 0020



Low Side Male 1/4" Flare R134a Coupler

248 77 0030



High Side Female 14mm R134a Coupler

248 77 0040



Low Side Female 14mm R134a Coupler

248 77 0050



Additional Tooling

High Side 3/8" Male R134a Coupler

248 77 0500



Low Side 3/8" Male R134a Coupler

248 77 0510



High Side Female 14mm R134a Coupler

248 77 0041



Low Side Female 14mm R134a Coupler

248 77 0051



Consumables

Low Side 1/4" Male or 14mm Female Swivel R134a Coupler

248 77 0070

Removable adaptor changes coupler from Male to Female



High Side 1/4" Male or 14mm Female Swivel R134a Coupler

248 77 0060

Removable adaptor changes coupler from Male to Female



System Repair

Renault Service Port Adaptor

248 77 0170

for Single Port System



Service Port Adaptor

248 77 0180

Volvo & BMW



Low Side (Blue) R134a Port Extension Coupler

248 77 3090

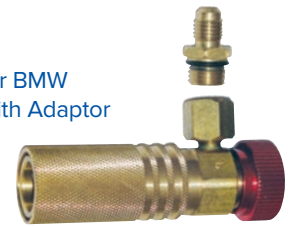
Low Side (Blue) Port Extension Coupler for HFO1234YF AC Systems 2487706340



R134a High Pressure Quick Coupler (Long)

248 77 0670

for BMW with Adaptor



A/C Parts

HFO-1234YF Low Side (Blue) Quick Coupler

248 77 0700



HFO-1234YF High Side (Red) Quick Coupler

248 77 0710



Deep Seated High Side (Red) Port Coupler

248 77 0650

For use on latest models Ford, Volvo, Mercedes



High Side (Red) Port Extension Coupler

248 77 6330

for HFO1234YF AC Systems



Sealed Cartridge PAG 46 for ECOTECHNICS Machines

250ml
252 77 1400



when sold out you need upgrade part number 252 77 0280

Sealed Cartridge PAG 100 for ECOTECHNICS Machines

250ml
252 77 1410



when sold out you need upgrade part number 252 77 0280

Sealed Cartridge PAG 150 for ECOTECHNICS Machines

250ml
252 77 1420



Sealed Cartridge PAG 46 ECK Machine – HFO1234YF

270ml
252 77 1530



when sold out you need upgrade part number 252 77 0280

SANIFLUX Liquid for ECK 3000

1Ltr
252 77 1260



Ecotechnics UV Dye Cartridge & Adapter

252 77 0290

To upgrade oil cartridges 252 77 1220 & 252 77 1520



Ecotechnics R134a Sealed PAG 46 Oil Cartridges

125ml – 252 77 9130

when sold out you need upgrade part number 252 77 0290



250ml – 252 77 9140

Ecotechnics R134a Sealed PAG 100 Oil Cartridges

250ml
252 77 9150



Ecotechnics PAG46 Oil Cartridge & Adapter

252 77 0280

To upgrade oil cartridges 252 77 1400/ 1410/ 1420/ 1530



Ecotechnics HFO1234YF Sealed Oil Cartridges

125ml
252 77 9270

when sold out you please use part number 252 77 0460



Ecotechnics HFO1234YF Sealed Oil Cartridges

250ml
252 77 0460



Ecotechnics HFO1234YF Sealed UV Dye Cartridges

125ml
252 77 9280



Ecotechnics HFO1234YF Starter Pack, Sealed Cartridges

4x PAG 46 125ml & 2x UV Dye 125ml
252 77 9290



3m Charge Blue Hose (LP) – ½ ACME Female to ½ ACME Male connector

for ECK/ECO Machines
252 77 0660



3m Charge Red Hose (HP) – ½ ACME Female to ½ ACME Male connector

for ECK/ECO Machines
252 77 0670



Machines

Additional Tooling

Consumables

System Repair

A/C Parts



Machines

Ecotechnics Advaned Flushing Kit Includes Universal Adaptor & External

5Ltr Tank
252 77 1060



Ecotechnics AC Machine Dust Cover for all ECK Single Gas Machines

(not bus/twin)
52 77 8690

For ECK Bus/Dual Gas Machines

(bus/twin only)
252 77 8700



Additional Tooling

Ecotechnics Vacuum Pump Oil

1Ltr
252 77 9070



Brain Bee AC Machine Database USB Stick

252 95 1480



Consumables

Ecotechnics Thermal Paper Roll for STM0004/ A500-N8/ECK3000-N8 2009> (Big Roll)

Dims: H3xL6cm
252 77 0640



Ecotechnics Thermal Paper Roll for ECK Aircon machines (Small Roll)

Dims: H5xL6cm
252 77 1170



Ecotechnics Thermal Paper Roll for STM006 Printer & All ECK Machines 2011>

Dims: H4xL6cm
252 77 5370



Paper for printer

AC450/550/650/
ACM3000/1234yf Pro
1 roll per pack
252 77 1560



System Repair

Oil Bottle R134A/1234yf

NON HYBRID Grey Cap
252 77 9390



Oil Bottle R134A/1234yf

HYBRID Blue Cap
252 77 9400



Dye Bottle R134A/1234yf

HYBRID Green Cap
252 77 9410



Dye Bottle R134A/1234yf

NON HYBRID Yellow Cap
252 77 9380



A/C Parts

Orifice Tube Kit

245 77 0070

Orifice Kit covers Audi, Chrysler, Ford, VW, Volvo



Ford Spring Lock O/Ring and Garter Spring Kit

245 77 0020

To replace O/Rings and Garter springs on AC spring lock hoses



Refrigerant Charge Hose Repair Kit

245 77 0010

To repair AC machine charge hoses



Orifice Tube Service/Repair Kit

245 77 0060

Can be used with 245 77 0070



Universal R134a O/Ring Kit

245 77 0090

HNBR (Green) Universal O/Ring 18 Compartment Kit



Schrader Valve Kit Including Tool

255 77 0020

To replace faulty Schrader Valve's in AC system pipework



AC European 5 Draw O/Ring Kit

245 77 0700

5x 120 Different O/Rings



Schrader Valve Master Kit

255 77 0040

Schrader Valves can be removed and replaced without degassing AC systems



Machines

R134a Service Port Cap Assortment Kit

(10 Compartments)
245 77 0080



R134a Low Side Port Cap

(Aeroquip Blue)
264 77 1120



Pack of Six

R134a High Side Port Cap

(Aeroquip High)
264 77 1130



Pack of Six

Additional Tooling

R134a Low Side Port Cap

(Bridgeport Blue)
264 77 1210



Pack of Six

R134a High Side Port Cap

(Bridgeport Red)
264 77 1220



Pack of Six

R134a Low Side Port Cap

(JRA, Bridgeport Blue)
264 77 1230



Pack of Six

Consumables

R134a High Side Port Cap

(JRA, Bridgeport High)
264 77 1240



Pack of Six

R134a Low Side Port Cap

(Eaton SSV Black)
264 77 1250



Pack of Six

R134a High Side Port Cap

(Eaton SSV Black)
264 77 1260



Pack of Six

R134a High Side Port Cap

(Japanese Blue)
264 77 1270



Pack of Six

R134a Low Side Port Cap

(Japanese Blue)
264 77 1280



Pack of Six

Master Valve Core

Kit with Tool
255 77 0110



System Repair

Schrader Valve Core PSA

M8 Peugeot/Volvo
255 77 0030

Pack of Five



Schrader Valve Core

Eaton 8mm
255 77 0050

Pack of Five



Schrader Valve Core

JRA HNBR
255 77 0060

Pack of Five



Schrader Valve Core

Renault
255 77 0070

Pack of Five



Schrader Valve Core

Eaton 10mm
255 77 0080

Pack of Five



Schrader Valve Core

Audi
255 77 0090

Pack of Five



A/C Parts

Schrader Valve Core

Standard
255 77 0100

Pack of Ten



Schrader Valve Tool

255 77 0010



To remove/install Schrader Valves found in 255 77 0020

AC Master O/Ring Kit

245 77 0690



Citroen, Ford, Peugeot, Volvo Springlock Kit

245 77 0030



Contains Four Springlock Tools

Springlock Tool 3/8 RED

245 77 0370



Springlock Tool 1/2 BLUE

245 77 0380



Springlock Tool 5/8 BLACK

245 77 0390



Springlock Tool 3/8 WHITE

245 77 0400



Sold as singles

Volkswagen Springlock Kit

245 77 0270



Contains Two Springlock Tools

Vauxhall Springlock Kit

245 77 0280



Contains Two Springlock Tools

Citroen, Ford, Peugeot, Volvo De-luxe Springlock Kit

245 77 0440



Contains Six Springlock Tools, Application use A/C Pipes & Fuel Lines

Complete Springlock Tool Kit

245 77 0660

- 4x Ford
- 2x Vauxhall
- 2x VW



Springlock Kit

245 77 0910



with 6 Springlock Sizes

Mercedes Disconnect Tool

245 77 0320



Contains One

Toyota Disconnect Tool

245 77 0300



Contains One

Smart Low Side Disconnect Tool

245 77 0330



Contains One

Smart High Side Disconnect Tool

245 77 0340



Contains One

Toyota Tube Connect Tool

245 77 0310



Contains One

Audi Springlock Set

245 77 0680



for A4 & A5 2007>
Contains Two

Machines

Additional Tooling

Consumables

System Repair

A/C Parts

Machines

Universal Flushing Adaptor

248 77 0310



HFO1234YF Class 1 Manifold Set

248 77 0690

with Hoses & Quick Couplers



Manifold Gauge Set

with 2 valves and analogue displays
248 77 0250



Supplied with Hoses and Couplers

Additional Tooling

HFO1234YF 4-Valve Manifold Set

248 77 0750

Gauge sets for HFO1234yf Gas, please note unless otherwise indicated, the gauge sets delivered without service hoses.
(no Hoses/ Couplers)



Manifold Four Way R410A

248 77 1010

Aluminium Block Type
(no Hoses)



HFO1234YF 2-Valve Manifold Set

248 77 0740

Gauge sets for HFO1234yf Gas, please note unless otherwise indicated, the gauge sets delivered without service hoses.
(no Hoses/ Couplers)



Consumables

Manifold Two Way for 22/134A/ 404A/407C

248 77 1000

Aluminium Block Type
(no Hoses)



Manifold Two Way R410A

248 77 1040

Aluminium Block Type
(no Hoses)



Manifold Two Way R22/134A/404A/407C

248 77 1020

(no Hoses)



System Repair

Manifold Four Way R22/134A/404A/407C

248 77 1030

(no Hoses)



2 Way Manifold Set

248 77 1130

- 36" (920mm)
- 1/4FMFL Ends
- (Red/Blue/Yellow)
- Hoses+Case



A/C Parts

Manifold Gauge Set with 2 Valves and Analogue Displays

248 77 0350

Supplied with Hoses and Couplers



Portable Vac & Charge Station 110/115V 5cfm Vac Pump

249 77 0030



- Refrigerants: All, Including R134a
- Operation: Manual
- Vacuum Pump: 5CFM (2509-003)
- Charging: Manual charging scale (2501-008)
- Gauges Hoses: 96" x 14" flare Enviroguard hose set complete with R134a automotive couplers
- Oil Injection: Built in
- Voltage: 220/240V, 50/60Hz or 110V version available
- Features: Heavy duty portable charging unit

Dual Voltage Recovery Unit

252 77 0030

These recovery systems are compact, lightweight and work with all refrigerants and offer a state-of-the-art 1/2 HP oil-less compressor with a built-in high volume cooling fan. This innovative design delivers maximum cooling efficiency which keeps the compressor working at high capacities in even the hottest climates. The compressor is also protected by an automatic low pressure cut-off switch that shuts off the unit once the recovery is complete. This auto shut-off feature eliminates the risk of compressor failure and reduces the user's need to monitor the entire recovery system.

All of our recovery systems offer our color-coded gauges with pressure readings in PSI, BAR and MPa. Our stainless steel ball valve designed manifold, controls the flow smoothly and quickly with only a 1/4 turn. With all of this protected by a reinforced hard plastic case.

- High performance oil-less compressor
- High volume cooling fan design
- Automatic low pressure cut-off switch
- Liquid compatible head-valve system
- Safety high pressure cut-off switch
- Fully reinforced hard plastic casing



Extreme
261 77 0300

WHAT IS IT?

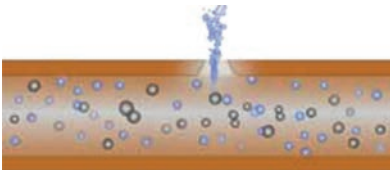
Extreme is specifically designed for the safe repair of small refrigerant gas leaks that frequently occur with metal and rubber vehicle A/C system components.

HOW DOES IT WORK?

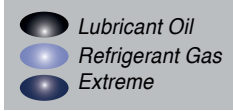
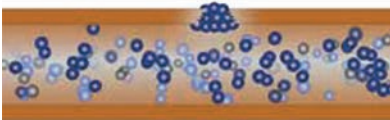
The critical ingredients of Extreme are triggered into action only when there is a leak, mechanically building a flexible permanent seal.



REFRIGERATION PIPE BEFORE:



REFRIGERATION PIPE AFTER:



Cool-Shot
261 77 0310

WHAT IS IT?

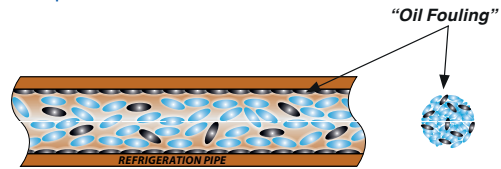
A powerful, yet safe, synthetic catalyst that makes any A/C or Refrigeration system work more efficiently.

HOW DOES IT WORK?

Cool-Shot's active ingredients two synthetic catalysts combined with superior lubricating agents catalyse the system lubricants to improve their lubricity and reduce their thermal effect on the internal walls of the evaporator and condenser.

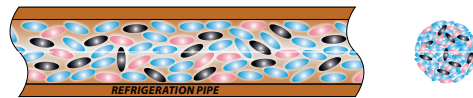
BEFORE:

Oil coats the interior walls of an A/C or Refrigeration system creating a plaque effect, impeding heat transfer in both the Condenser and Evaporator.



AFTER:

COOL SHOT eliminates "Oil Fouling", allowing the refrigerant direct contact with heat transfer surfaces without the normal insulating barrier created by oil. Cool-Shot acts as a lubricant catalyst without chemically changing the refrigerant.

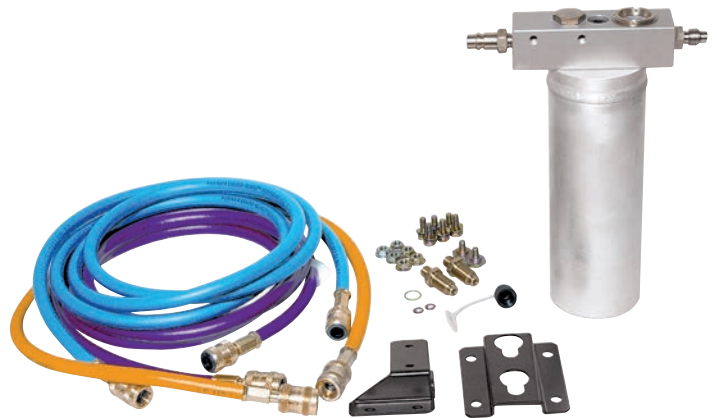


A/C Fitting Crimper with Hydra Krimp Hand Pump
265 77 0720



Flush Kit Robinair AC500/600 Series RMS & 34701-2K/342001 01/01>
262 77 0090

Refrigerant management station adapter kit enables your Robinair RMS unit to be converted to accept liquid refrigerant flushing.



AC Plugging Kit

262 77 0120

This system plugging kit has been designed to prevent the ingress of moisture & debris when undertaking repairs on the system or non-related areas which require the disconnection of A/C components.

This plugging system requires the use of a recovery unit & vacuum pump so that the A/C system can be plugged & evacuated whilst repairs are undertaken. This methodology prevents the need to replace the accumulator/ receiver drier.



Fieldpiece Digital Multimeter

253 77 0100

- Temperature
- Microamps
- MFD
- B/L



Fieldpiece Pocket Sized Digital Multimeter

253 77 0110

Leads supplied



600A Current Clamp AAC/ADC fieldpiece

253 77 0190



Fieldpiece SRS2 Refrigerant Scale

253 77 0090

- Wireless
- 100Kg



Machines

Additional Tooling

Consumables

System Repair

A/C Parts

Machines

Pocket Sized Telescopic Tool with mirror

253 77 0230

Max Length 2 feet



R134a System Sealer

261 77 0020



AC System Flushing Fluid

262 77 0020

5Ltr



Pocket Sized Led Flashlight

253 77 0250



Additional Tooling

Pocket Sized Telescopic Tool Led Flashlight with mirror

253 77 0200

Max Length 2 feet



Pocket Sized Telescopic Tool Led Flashlight with magnet

253 77 0210

Max Length 2 feet



Pocket Sized Telescopic Tool Magnetic Claw

253 77 0220

Max Length 2 feet



Pocket Sized Telescopic Tool Alligator Clip

253 77 0240

Max Length 2 feet



Consumables

AC Flushing System

262 77 0010



Vacuum Pump 3CFM

249 77 0010

A good quality vacuum pump is an integral tool for complete AC service. This vacuum pump is durable and time tested. It stands up to the most gruelling conditions and will provide years of reliable service.

- Double stage pump
- Ultimate vacuum 25µm
- Capacity 90Ltr/m
- 2850rpm
- Motor 1/4hp



System Repair

Robinair Vacuum Pump

249 77 0050

- 5 CFM/2 Stage/
- 35 Microns (1500-E)



Robinair Cooltech Vacuum Pump

252 77 2800

- 2 Stage
- 10 CFM
- 110/220V (15121A)



Super Lightweight Mini Vacuum Pump

249 77 0020

- 40µm – 1.5cfm

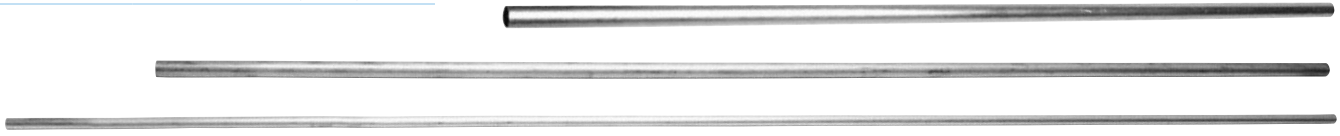


A/C Parts

Aluminium Tube

265 77 0460	1m 5/16 20 GAUGE (8mm)
265 77 0470	1m 3/8 20 GAUGE (9.53mm)
265 77 0480	1m 1/2 20 GAUGE (13mm)

265 77 0490	1m 5/8 20 GAUGE (16mm)
265 77 0500	1m 3/4 20 GAUGE (19mm)



Aluminium Tube 45° Elbow

265 77 0550	3/8 8mm
265 77 0560	1/2 13mm
265 77 0570	5/8 16mm



Aluminium Tube 90° Elbow

265 77 0510	3/8 8mm
265 77 0520	1/2 13mm
265 77 0530	5/8 16mm
265 77 0540	3/4 19mm



Loktool Hand Assembly Tool

265 77 0600



Supplied without crimp jaws

Assembly Jaws 50 Series

265 77 0610	8mm
265 77 0620	10mm
265 77 0630	12mm
265 77 0640	16mm
265 77 0650	19mm
265 77 0660	22mm

Sold as singles



Lokprep Sealant 65G

265 77 0580

15ml



Aluminium Tube Stem fitting to reduce wall hose crimp

265 77 0780	9.53mm to No 6
265 77 0790	13mm to No 8
265 77 0800	16mm to No 10
265 77 0810	19mm to No 12



Aluminium Lokring fitting to reduce wall hose crimp

265 77 0820	9.53mm to No 6
265 77 0830	13mm to No 8
265 77 0840	14mm to No 10
265 77 0850	15mm to No 10



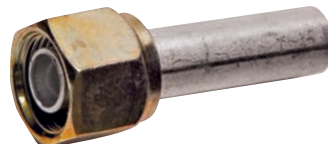
Male O/Ring Straight Tube Stem/Lokring

265 77 0870	9.53mm to No 6
265 77 0960	13mm to No 8
265 77 0900	16mm to No 10
265 77 0930	19mm to No 12



Female O/Ring Straight Tube Stem/Lokring

265 77 0860	9.53mm to No 6
265 77 0950	13mm to No 8
265 77 0890	16mm to No 10
265 77 0920	19mm to No 12



Male Insert O/Ring Straight Tube Stem/Lokring

265 77 0880	9.53mm to No 6
265 77 0970	13mm to No 8
265 77 0910	16mm to No 10
265 77 0940	19mm to No 12



Vulkan Lokring/Lockclip

265 77 6290

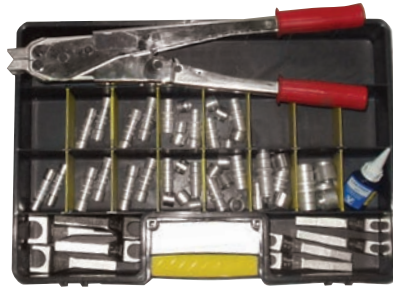
Tube & Hose Starter Repair Kit



Vulkan Lokring Toolkit

265 77 0010

Contains: Tool, Jaws, Fittings, Aluminium Tube, Sealant and Carry Case.



Aluminium Straight Metal to Metal Connector

265 77 0020	6mm to 6mm
265 77 0030	8mm to 8mm
265 77 0040	9.53mm to 9.53mm
265 77 0050	10mm to 10mm
265 77 0060	12mm to 12mm
265 77 0070	13mm to 13mm
265 77 0080	15mm to 15mm
265 77 0090	16mm to 16mm
265 77 0100	18mm to 18mm
265 77 0110	19mm to 19mm
265 77 0120	22mm to 22mm



Aluminium Reducing Straight Metal to Metal Connector

265 77 0130	8mm to 6mm
265 77 0140	9.53mm to 8mm
265 77 0150	10mm to 9.53mm
265 77 0160	12mm to 9.53mm
265 77 0170	13mm to 9.53mm
265 77 0180	13mm to 12mm
265 77 0190	16mm to 15mm
265 77 0200	17mm to 16mm
265 77 0210	19mm to 18mm
265 77 1020	19mm to 16mm



Seal-Tight Organiser

265 77 0670

Lokring 25 Compartment Organiser



Aluminium Lokring to Standard Hose Crimp

265 77 0260	9.53mm to No 6
265 77 0270	13mm to No 8
265 77 0280	14mm to No 10
265 77 0290	15mm to No 10
265 77 0300	16mm to No 10
265 77 0310	19mm to No 12



Aluminium Straight Metal to Metal Connector with R134a Charge Port

265 77 0360	8mm	High Side Charge Port
265 77 0370	9.53mm	High Side Charge Port
265 77 0380	10mm	High Side Charge Port
265 77 0390	12mm	High Side Charge Port
265 77 0400	13mm	High Side Charge Port
265 77 0410	10mm	Low Side Charge Port
265 77 0420	12mm	Low Side Charge Port
265 77 0430	13mm	Low Side Charge Port
265 77 0440	16mm	Low Side Charge Port
265 77 0450	19mm	Low Side Charge Port



Aluminium Straight Metal to Metal Connector with 1/4" Male charge port

265 77 0320	9.53mm to 9.53mm
265 77 0330	13mm to 13mm



Aluminium Straight Metal to Metal Connector with Female switch port

265 77 0340	9.53mm to 9.53mm
265 77 0350	13mm to 13mm



**High Pressure Pipe (HPP)
Compressor to Condenser**

239 44 0460

Audi A4 1.6,1.8T, 2.6, 2.8,
1.9 & 2.5 TDI 01.92> 07.00



**Low Pressure Pipe (LPP)
Evaporator to Compressor**

239 44 0470

Audi A4 1.6,1.8T, 2.6, 2.8, 1.9 TDI
01.92>07.00



**High Pressure Pipe (HPP)
Compressor to Condenser**

239 44 0480

VW Golf III 1.8, 2.0, 2.8 VR6, 1.9 D,
1.9TDI 08.91> 04.99



**High Pressure Pipe (HPP)
Condenser to Drier**

239 44 0490

VW Golf III 1.8, 2.0, 2.8 VR6, 1.9 D,
1.9TDI 08.91> 04.99



**High Pressure Pipe (HPP)
Compressor to Condenser**

239 44 0500

Audi A6 2.5 TDI 12.97>01.05



**High Pressure Pipe (HPP)
Compressor to Condenser**

239 44 0510

Audi A3 1.9TDI 09.96> 05.03



**Low Pressure Pipe (LPP)
Evaporator to Compressor**

239 44 0520

Seat Alhambra 2.0i, 1.9TDI 04.96>



**High Pressure Pipe (HPP)
Compressor to Condenser**

239 44 0530

Seat Alhambra 1.8T 20V, 2.0i 04.96>



**High Pressure Pipe (HPP)
Condenser to Evaporator**

239 44 0540

VW Sharan 1.8T 20V, 2.0, 2.8V6
24V, 1.9TDI 09.95>



**High Pressure Pipe (HPP)
Compressor to Condenser**

239 44 0550

Skoda Superb 1.8T, 1.9TDI
02.02>03.08



**High Pressure Pipe (HPP)
Drier to Evaporator**

239 44 0560

Seat Alhambra 1.9TDI 04.96>



**High Pressure Pipe (HPP)
Compressor to Condenser**

239 44 0570

Audi A4 1.9TDi 03.00>11.00



**High Pressure Pipe (HPP)
Condenser to Drier**

239 44 0580

VW Passat 1.6, 1.8, 1.8 16V,
2.0, 2.8 VR6, 01.90>



**High Pressure Pipe (HPP)
Condenser to Drier**

239 22 0090

Mercedes C Class
W202 C230 Kompressor
C250 TD 10.95>05.00



**High Pressure Pipe (HPP)
Condenser to Drier**

239 44 0590

- Seat Cordoba All Eng 02.93> 06.03
- Seat Ibiza Mk II All Eng 03.93> 08.99
- Seat Inca All Eng 11.95> 06.03



Machines

Additional Tooling

Consumables

System Repair

A/C Parts



Compressor Guard Kit

245 77 0520

Debris in the suction line is a major reason replacement compressors come back “defective” more often than OE compressors. In the field, compressors go into a system that may be compromised by debris leftover from the failure of the previous component.

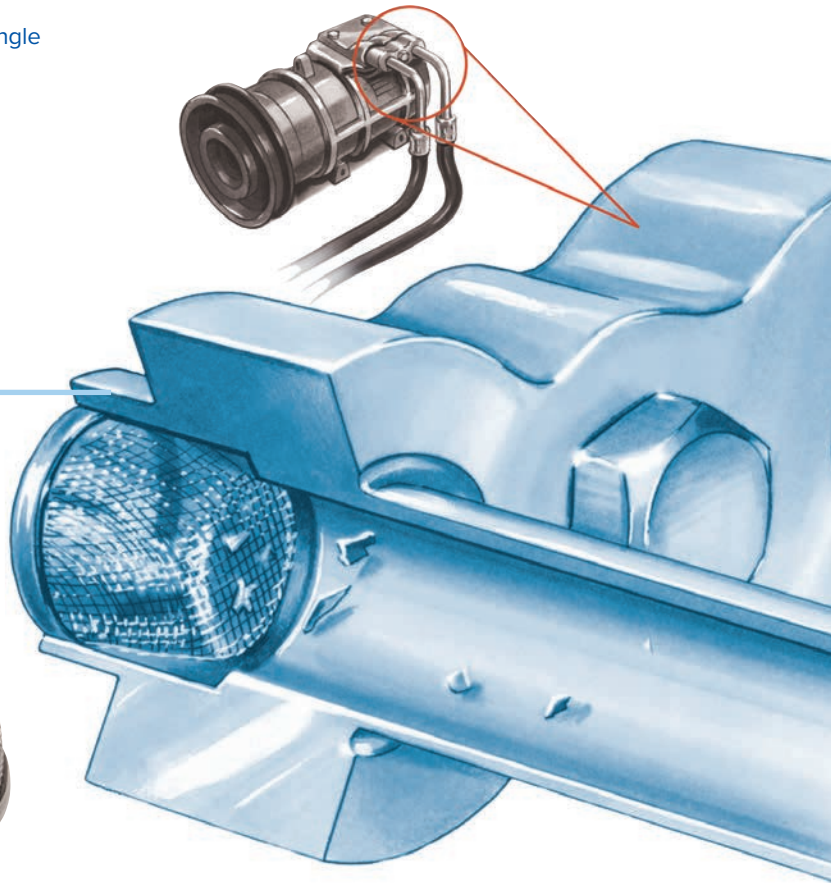
AirSept’s award-winning Compressor Guard Suction Screens trap metal shavings and other large debris. The new Compressor Guard Ultimate Suction Screen Kit contains 12 new screen sizes, for a total of 20 different sizes. The new screen sizes expand coverage to almost any vehicle on the road today, including many low volume and odd size compressor hose assemblies. The new Compressor Guard Ultimate Suction Screen Kit is likely to have a screen that fits.

When a compressor fails in use, debris particles flow in both directions. Although most debris travels down the high side, some does flow upstream from the compressor suction port towards the suction muffler, hose, accumulator or receiver/drier and evaporator.

Even flushing cannot guarantee 100% removal of these metallic Trojan horses.

OE-approved Compressor Guard screens install in the suction port on the hose assembly. They trap any large debris heading toward the replacement compressor. Installation takes less than five minutes with no hose cutting. Particles that are too small to harm the compressor pass through the screen, so there is no reduction of refrigerant and lubricant flow.

Replacement screens are available in packs of five of any single size (see below).



Compressor Guard Kit Refills

(Pack of 5)



264 77 1000	Screen 0.538 – 13.67mm	264 77 1050	Screen 0.821 – 20.85mm
264 77 1010	Screen 0.510 – 12.95mm	264 77 1060	Screen 0.618 – 15.70mm
264 77 1020	Screen 0.595 – 15.11mm	264 77 1070	Screen 0.649 – 16.50mm
264 77 1030	Screen 0.552 – 14.02mm	264 77 1080	Screen 0.471 – 11.96mm
264 77 1040	Screen 0.531 – 13.49mm	264 77 1090	Screen 0.521 – 13.23mm

CLT1 Compressor Testing Tool

355 77 0220

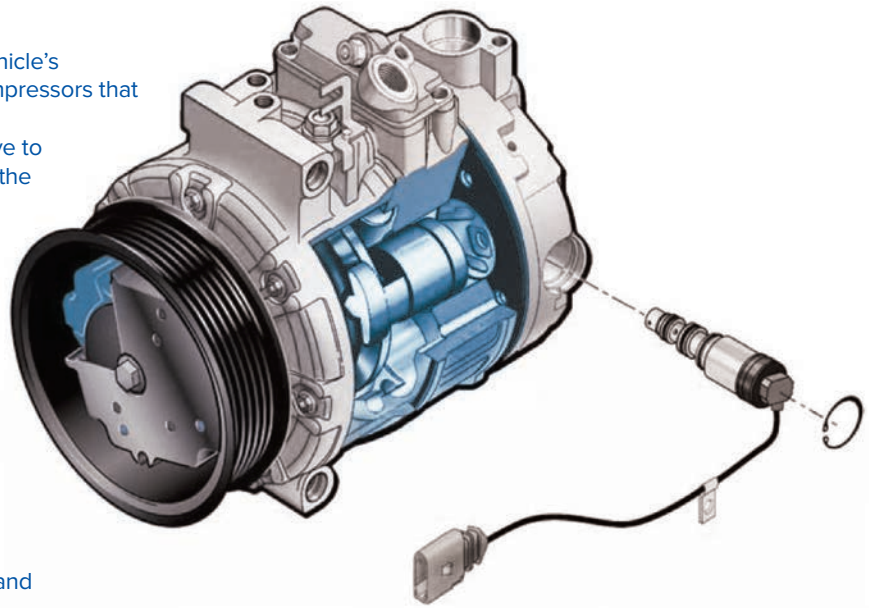
The handheld CLT1 controls (by bypassing the vehicle's on board control unit) the clutch less variable compressors that we find on many modern vehicle A/C systems. These compressors use an electronic control valve to regulate the displacement "refrigerant output" of the compressor.

By controlling this electronic valve manually, independently from the on board computer, a more precise diagnosis may be made on the system.

The capacity of the compressor can be manually regulated using the CLT1 from 3% - 100%.

The CLT1 is powered by the vehicles battery.

Vehicle manufacturers that utilise this clutchless, electronically controlled compressor are (among others): Volkswagen, Audi, Seat, Skoda, Peugeot, Citroën, BMW, Chrysler, Honda, Toyota and Mercedes-Benz.



In contrast to self-regulating compressors, externally controlled compressors have no integrated mechanical valve but they have an electronically controlled valve instead.

TECHNICAL SPECIFICATIONS:

- CLT1 tester with 12V power clamps
- Simulator
- Compressor connection for Volkswagen and Audi vehicles
- Compressor connection for Denso compressors
- Hook & Magnet
- Manual
- Carry Case



Machines

Compressor Control Valve

for Sanden PXE16
Model 8675
238 77 0430



Compressor Control Valve

for Sanden PXE16
Model 8681
238 77 0440



Compressor Control Valve

for Zexel DCS17E
238 77 0450



Additional Tooling

Compressor Control Valve

for Denso 7SEU16,
6SEU12, 6SEU16
238 77 0460



Compressor Control Valve

for Denso 7SEU16C,
6SEU12C
238 77 0470



Compressor Control Valve

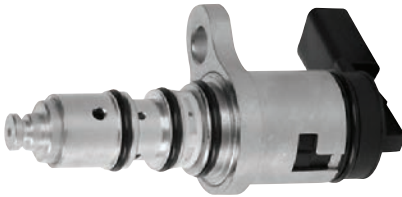
Circlip Fixing/with cable
for Sanden PXE16
238 77 0480



Consumables

Compressor Control Valve

Circlip Fixing/without cable
for Sanden PXE16
238 77 0490



Compressor Control Valve

for Sanden PX16
238 77 0500



Compressor Control Valve

for Calsonic CSE613
238 77 0510



System Repair

Compressor Control Valve

for Sanden 6C12
238 77 0520



Compressor Control Valve

for Sanden 7C16
238 77 0530



Compressor Control Valve

for Denso 5SL12
238 77 0540



A/C Parts

Compressor Control Valve

for Zexel DCS17E
238 77 0550



Compressor Control Valve

for Delphi CV
238 77 0560



Compressor Control Valve

for Delphi V5/CVC7
238 77 0570



A/C Compressors – Brand New Units

232 11 0430

Calsonic

- BMW 1 Series (E81, E87, E88)
- BMW 3 Series (E90, E91, E92, E93) 09.04>

232 22 0140

Denso

- Mercedes C Class (W203) 93>
- Mercedes E Class (W210) 95>
- Mercedes S Class (W140) 91>

232 22 0380

Denso

- Mercedes R Class (W251) 06>
- Mercedes GL Class (X164) 06>

232 44 0070

Sanden

- Audi A3 96> TT 98>
- Ford Galaxy 95>
- Seat Alhambra 96>
- Seat Ibiza 99>
- Seat Toledo MkII 99>
- Skoda Octavia 96>
- VW Bora 98>
- VW Golf MKIV 99>
- VW New Beetle 98>
- VW Polo 97>

232 44 0110

Sanden

- Audi A3 96>
- Audi TT 98>
- BMW 5 Series (E60) 03>
- Ford Galaxy 95>
- Seat Alhambra 96>
- Seat Ibiza 99>
- Seat Toledo MkII 99>
- Skoda Octavia 96>
- VW Bora 98>
- VW Golf MKIV 99>
- VW New Beetle 98>
- VW Polo 97>

232 44 0250

Zexel/Denso

- Audi A3 03>

232 44 0260

Sanden

- Audi A3 03>
- Seat Altea 04>
- Seat Leon 05>
- Seat Toledo III 04>

232 44 0270

Denso

- Audi A4 00>

232 44 0400

Denso

- Audi A4 02>
- Audi A6 04>

232 44 0940

Denso

- Audi Q7 06>
- Audi R8 07>

232 44 0950

- Audi Allroad 4.2 V8
- Audi Quattro 05.00> 08.05

232 44 0960

Denso

- Audi A4 S4 Quattro 04>
- Audi A6 RS6 Quattro 05>
- Audi A6 S6 Quattro 06>

232 44 0970

- Audi A4 2.0 TDI and Quattro 06.06>

232 56 0100

Visteon FS10

- Ford Transit 00>
- Ford Galaxy 96>

232 56 0310

Visteon FS10

- Ford Cougar 98>
- Ford Mondeo I and II 93>
- Ford Transit 00>

232 72 0130

Harrison CCVC

- Vauxhall Astra MKIV 98>
- Vauxhall Corsa I and II 98>
- Vauxhall Meriva 03>
- Vauxhall Tigra 04>
- Vauxhall Zafira 99>

232 72 0180

Harrison CCVC

- Vauxhall Astra MKIV 98>
- Vauxhall Zafira 99>

232 82 0550

Denso

- Toyota Corolla
- Toyota Verso 2.0 D4D 02>

232 82 0590

Denso

- Toyota Avensis (T25) 03>

232 85 0150

HCC

- Hyundai Santa FE 06>

232 88 0020

Sanden

- Saab 9-3 98>



232 88 0020



232 44 0260



232 44 0070



232 56 0250



232 22 0121

A/C Compressors – Reconditioned Units

232 22 0121

Denso

- Mercedes C Class (W203) 00 >
- Mercedes S Class (W220) 98>
- Mercedes M Class 98 >

232 22 0141

Denso

- Mercedes C Class (W203) 93 >
- Mercedes E Class (W210) 95 >
- Mercedes S Class (W140) 91 >

Condensers

222 33 0190

- Porsche 911 97>
- Porsche Boxster 96>

222 33 0250

- Porsche 911 97>
- Porsche Boxster 04>
- Porsche Cayman 05>

222 72 0300

- Vauxhall Signum 03>
- Vauxhall Vectra MKII 02>

222 56 0250

- Ford Focus C Max 03>
- Ford C Max 07>
- Ford Focus II 04>

222 67 0010

- Range Rover Mk II 94>

222 60 0090

- Honda Civic MK6 2000>

222 72 0480

- Vauxhall Astra 05>
- Vauxhall Zafira 05>

222 72 0130

- Vauxhall Astra 98>
- Vauxhall Zafira 99>

222 72 0050

- Vauxhall Astra 98>
- Vauxhall Zafira 99>

222 68 0010

- Ford Fiesta 11.01>
- Ford Fusion 08.02>
- Mazda 2 04.03>

222 22 0680

- Mercedes C Class W203 00>
- Mercedes CLK 2000>

222 44 0210

- Audi A3 96> 03
- Audi TT 98> 06
- Seat Leon 99> 06
- Seat Toledo II 99> 06
- Skoda Octavia 96>
- VW Golf IV 97> 05

222 56 0200

- Ford Focus 98> 04

222 44 0590

- Ford Galaxy 95>
- Seat Alhambra 96>
- VW Sharan 96>

222 73 5140

- Peugeot 206 09.98>

222 72 0250

- Vauxhall Astra 98>
- Vauxhall Zafira 99>

222 22 0380

- Mercedes E Class W210 95>

222 66 0260

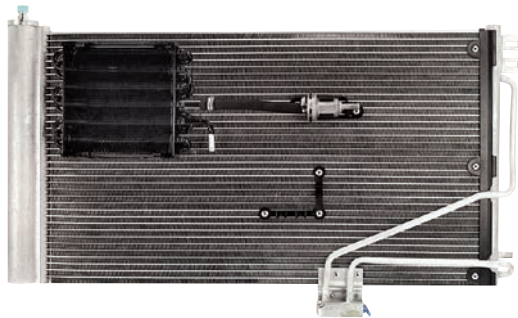
- Volvo S60 2000>
- Volvo V70 2000>
- Volvo S80 98> 06
- Volvo XC70 2000>

222 22 0670

- Mercedes C Class W203 01>
- Mercedes CLK 02>

Sub Cooled Condenser with Receiver Drier & Heat Exchanger

222 22 0680



Sub Cooled with Receiver Drier

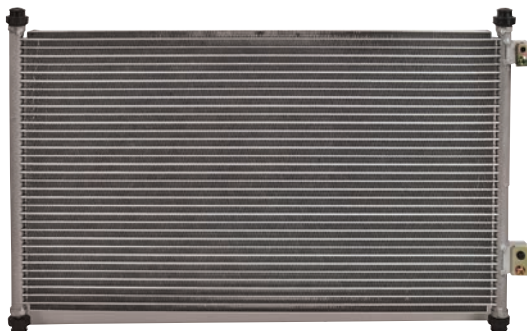
222 12 0010



Condenser Honda Civic

222 60 0090

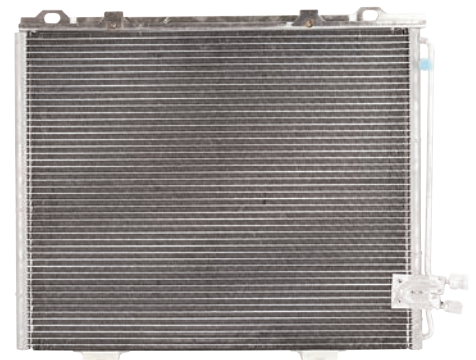
Mk 6 2000>



Condenser Mercedes E200-E420

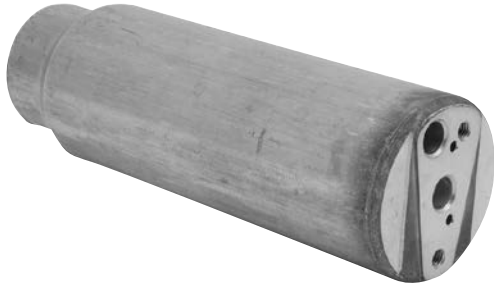
222 22 0380

W210 1995>



Pad Type Drier

233 33 0040



Standard Drier

233 22 0160



Receiver Driers

233 44 0160

- Audi A3 03>
- Audi TT 06>
- Seat Altea 04>
- Seat Leon 05>
- Seat Toledo 04>

233 44 0110

- Audi A3 09.96>
- Audi TT 10.98>
- Seat Cordoba 93>
- Seat Ibiza Mk3 99>
- Seat Leon 99>
- VW Golf IV 99>

233 44 0200

- Audi A4 00> - Pad Type Drier
- Seat Exeo 09> - Pad Type Drier

233 11 0110

- BMW 3 Series E46 98>
- BMW 5 Series E39 95>
- BMW 7 Series E38 95>
- BMW Z4 06> X3 04>

233 44 0040

- Ford Galaxy 95>
- Seat Alhambra 96>
- VW Sharan 95>

233 22 0160

- Mercedes C Class W202 95>
- Mercedes CLK W208 97>

233 22 0040

- Mercedes C Class W202 95>
- Mercedes CLK W208 97>

233 22 0070

- Mercedes E Class W210 95>

233 22 0140

- Mercedes S Class W220 98>
- Mercedes SL 99>
- Mercedes Vito 97>
- Mercedes Sprinter 95>

233 73 5070

- Peugeot 206 98>

233 33 0040

- Porsche 911 - Pad Type Drier
- Porsche 928 - Pad Type Drier
- Porsche 968 - Pad Type Drier
- Porsche 996 - Pad Type Drier
- Porsche 997 - Pad Type Drier
- Porsche GT3 - Pad Type Drier

233 66 0090

- Volvo S60 2000>
- Volvo V70 2000>
- Volvo S80 98>06
- Volvo XC90 2002>

233 88 0050

- Saab 93 98>

233 44 0020

- Skoda Superb 02>
- VW Passat 96>

233 72 0080

- Vauxhall Astra MK IV 98>
- Vauxhall Zafira 99>



233 44 0050

Desiccant Stick

233 44 0050

- Ford Galaxy 96>



Accumulator Driers

233 44 0130

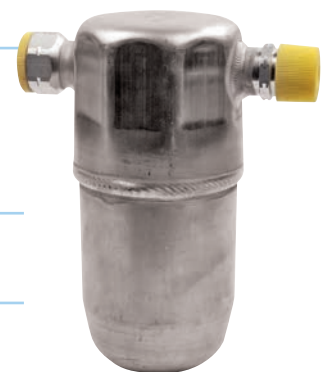
- Audi A4 95>
- Audi A6 94>
- VW Passat 96>

233 56 0150

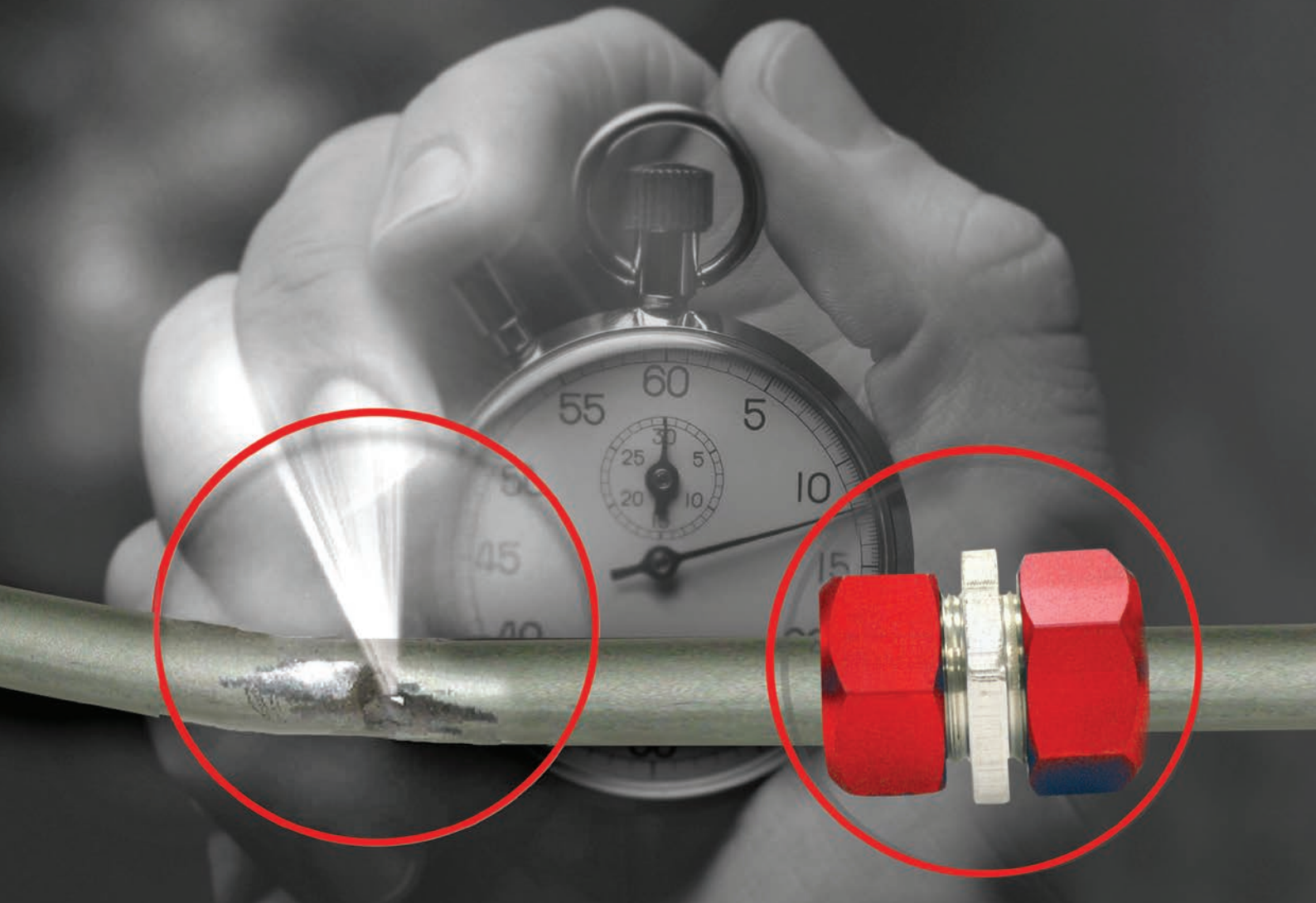
- Ford Focus 98>

233 66 0050

- Volvo S70 96>00
- Volvo V70 96>
- Volvo 850 94>



233 44 0130



AIRSPlice HOSEFITTINGS

Finally a quick and affordable repair system, without the need and expense of specialist tools.

Aluminium and steel tubes with pinhole or rub through leaks may now be effectively and reliably fixed in just a few minutes with AirSplice hose fittings.

A unique and new system of clamp and rubber gasket creates a reliable seal.

Just cut off the damaged tube with a tube cutter; clean up the cut and install the AirSplice using standard wrenches.

The AirSplices are available in the standard sizes $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ " and $\frac{5}{8}$ ". Step-up or step-down is possible as well.



Product Code	Description
265 77 6300	Line Splice for $\frac{1}{2}$ " Line
265 77 6310	Line Splice for $\frac{3}{8}$ " Line
265 77 6320	Line Splice for $\frac{5}{16}$ " Line
265 77 6330	Line Splice for $\frac{5}{8}$ " Line
265 77 6340	Line Splice Pack of 4: 1 x $\frac{5}{8}$ " Splice, 1 x $\frac{1}{2}$ " Splice, 1 x $\frac{3}{8}$ " Splice, 1 x $\frac{5}{16}$ " Splice
265 77 6350	Line Splice for 10mm OD Line
265 77 6360	Line Splice for 12mm OD Line
265 77 6370	Line Splice for $\frac{3}{4}$ " Line
265 77 6380	Line Splice for 15mm Line

FOR SAME DAY DELIVERY CALL 0845 603 3636