

ECOTECHNICS®

SIMPLY EFFICIENT



PRODUCT CATALOGUE

2019/2020





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Ecotechnics is a specialised international brand and landmark for the maintenance of air conditioning systems in the automotive industry. The key to success is ongoing research for improvement and the efficiency of technical solutions for the workshop. To meet workshop needs and business opportunities, the corporate programme focuses on product performance, on service before and after the purchase, and on a network of highly competent partners worldwide. The overall goal is to offer most friendly solutions for the workshop and the environment, solutions that are both simple and efficient.

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Brand History

Ecotechnics. Over 20 years of innovation

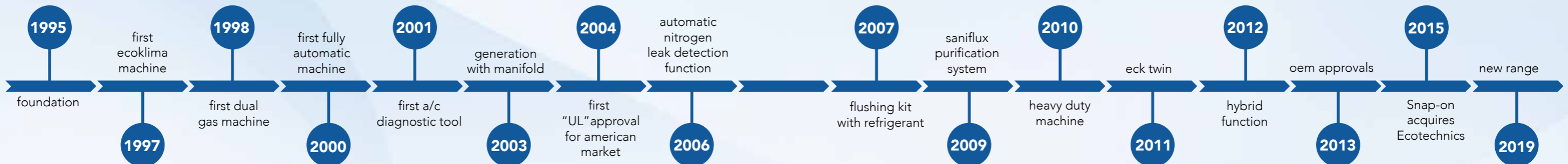
Ecotechnics was established in Florence in 1995. Innovative ideas instantly found fertile ground and a privileged environment: Tuscany has always been strongly associated with research and innovation, featuring excellent research centres and highly qualified universities. The region has thus reached a high index of human resources and competences, capable of generating strong innovative development.

The initially small factory soon specialised in air conditioning service units for recovery, recycling and recharging of air conditioning systems in the automotive industry. Ecotechnics achieved a leading global position in a few years.

The key to the organisation's success is ongoing research for improvement and dedication to providing technological development for the benefit of the user. Driven by this concept, Ecotechnics has earned numerous international patents over the years and is proud to have invented and introduced a host of advanced functions, such as the fully automatic service process, the compact aluminium manifold and the A/C diagnostic function integrated in an A/C service unit.

The company Snap-on Climate Solutions Srl was established following the acquisition of Ecotechnics Spa by the American holding Snap-on in 2015. Snap-on is one of world's leading manufacturers of innovative tools, diagnostic systems and equipment, and has been service provider for professional users in the industrial and automotive sector since 1920. The brand Ecotechnics and Snap-on have defined specific synergic competences and, together with the other brands of the group, pursue the common goal of developing the most valuable productivity solutions in the world.

Today the Ecotechnics brand is present in more than 80 countries worldwide through a network of selected and specialised dealers.



Patented solutions

Ecotechnics. The key to our success

The key to the success of the company is ongoing research for improvement and focus on always providing technological development for the benefit of the user. Driven by this concept, Ecotechnics has earned numerous international patents over the years and is proud to have invented and introduced a host of advanced functions. A short description of some representative samples of Ecotechnics' patents is given below.

✓ REFRIGERANT CONFIGURATION

Constant product availability and fast delivery are crucial for any competent logistic organisation. The latest and most future-oriented result of our research and development team further highlights Ecotechnics' patented solutions: handle with the "neutral" A/C Service Station, separately manage the different Refrigerant Kits and decide which are the desired refrigerant types only at the "last minute".

✓ ALUMINIUM MANIFOLD

The patented and extremely compact aluminium manifold makes the A/C station unique and fast by shortening distances to enhance both efficiency and reliability. Working time is noticeably shorter even with high outside temperatures and intensive use. Internal leaks are thus reduced to a technically possible minimum and constitute a precious contribution to environmental protection, while also ensuring high efficiency of the work processes.

✓ HYBRID

The patented Ecotechnics system allows to run this flushing cycle automatically with the dedicated couplings integrated into the station for the connection of service hoses. The system's extraordinary performance is given by "real loop" flushing.

✓ VACUUM ASSIST

Vacuum Assist is the function that uses Vacuum Pump and Compressor at the same time during the recovery phase. Especially at the end of this process, the pressure is slightly below zero, the temperature is low and, consequently, the recovery of residual refrigerant becomes very slow. Ecotechnics' "Vacuum Assist" function also endows the compressor with the power of the Vacuum Pump for a fast, efficient and clean recovery phase.

✓ RECHARGING PRECISION

To ensure the utmost precision, Ecotechnics has developed a specific algorithm to control valve opening and closing at the end of gas charging. In combination with the process of pushing vapour refrigerant to empty the hoses, it maintains a highly precise recharging process.

✓ DEVICE FOR OIL SEPARATION

During the recovery & recycling process at high ambient temperature, the oil mixed with gas that reaches the separator is very volatile and can easily reach the machine's compressor, causing oil accumulation and possible damage. The system patented by Ecotechnics provides a metal barrier mechanism studied to prevent the accumulation of oil in the compressor.



HIGHLY USER-FRIENDLY INTERFACE

Ecotechnics' menu navigation is intuitive, professional and designed for rapid interaction with the machine. A special user experience is the 7" colour touchscreen. The user is guided through the various processes and options with pictures, descriptions and instructions. Even inexperienced users are safely guided through the air conditioning service.



CONNECTIVITY

The "connected workshop" is one of the most recent and changing market trends. The digital framework offers endless opportunities to combine new workshop organisation solutions. An attractive and rewarding customer experience that is consistent with upcoming online services designed to increase the workshop's business and profitability. New generation Ecotechnics A/C Service Stations are connective with WI-FI and Bluetooth to integrate, in workshops, digital work processes as information flow on smartphones or tablets, remote checks on machine status and operation, and automatic software updates.



GAS ANALYSER AND IDENTIFIER

Most Ecotechnics A/C stations present the option of upgrading with a Gas Analyser or a Gas Identifier to protect the machine against contaminated refrigerants in order to offer safety and environmental protection, besides avoiding unexpected costs resulting from repair service of the contaminated machine.

- * The Gas Identifier ensures adequate purity of the refrigerant with a "pass-fail" test.
- * The Gas Analyser detects the different components of the refrigerant, and the result provides information about their percentages.



HERMETIC CONTAINERS

Clean handling of compressor oil of various standards and types. Ecotechnics offers hermetic disposable (HD) and hermetic refillable (HR) containers. Both solutions are designed to exclude moisture absorbed by the hygroscopic features of A/C oil and dye. Disposable containers offer the benefit of adequate quality standards of used oil (Ecotechnics oil recommended) and maintain constant dealer-workshop relations. Refillable containers offer the advantage of enhanced user comfort, and keep the workshop independent from the supplier.



HYBRID

The new A/C systems on many latest generation vehicles, such as hybrid or electric vehicles, are equipped with compressors operated by high voltage electric motors containing dedicated high performance electrical insulating oil. Use of non-insulating oil could be dangerous for the operator during A/C system testing; therefore, preliminary flushing of both the station and of service hoses is mandatory. The patented hybrid function is a very efficient cleaning system, and the special technology ensures a safe service.



NITROGEN LEAK TEST

All Ecotechnics A/C stations are equipped with the "leak detection" function. While all our models detect refrigerant losses during the vacuum phase, the top range is equipped with a Nitrogen-Hydrogen connection as standard. These models can perform an automatic pressure check with nitrogen or nitrogen-hydrogen gas on the vehicle.

ECK FLAG

Ecotechnics for different types of refrigerant



ECK FLAG is the new model designed for different types of refrigerant. Future-oriented standard features, WIFI connectivity and premium quality components make ECK FLAG an ambassador among most modern A/C service stations.

A future-oriented user experience

Fully automatic A/C service station for recovery, recycling and recharging of different types of refrigerant. The innovative and exclusive solution allows to set the R134a or HFO1234yf gas directly during activation in the workshop.

The ECK FLAG is the most modern expression of Ecotechnics' competences. It introduces WI-FI connectivity to the Ecotechnics product range. All Ecotechnics features are standard, from the very clean and safe hybrid function and pressure test with forming gas or nitrogen.

Menu navigation is intuitive, professional, easy and designed for rapid work with the machine. The 7" colour touchscreen offers a special user experience.

The unit is equipped with the original Ecotechnics hermetic universal oil and dye (AEK285-N, AEK270-N) and with hermetic and refillable containers as well. With its advanced technology based on an innovative solenoid valve system, ECK FLAG consumes less than 20% energy, compared to the previous models.



The upgrade with the Gas Analyser detects the different components of the refrigerant, and the result provides information about their percentages. Further, this innovative solution offers the benefit of an external Analyser (no contamination of the A/C Station) without taking up any external space.

The futuristic design conceived by a designer expert in the motorcycle industry was applied to the machine's features by exploiting information provided by numberless workshops organised by Ecotechnics over the years.

The result is easy serviceability: less than 30" to open the revolving control panel and less than 2 min. to remove both plastic covers and access all the internal components. Further, ECK FLAG grants excellent manoeuvrability as a result of the considerable axial distance between the two wheels. User-friendly features: pressure gauges and touch screen are perfectly inclined for excellent ergonomics.

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ECK NEXT

Ecotechnics for different types of refrigerants



ECK NEXT is the new model designed for different types of refrigerants. Future-oriented and premium quality components make ECK NEXT the most valuable A/C service station.

The easy solution for tomorrow's workshop

Fully automatic A/C service station for recovery, recycling and recharging of different types of refrigerant. The innovative and exclusive solution allows to set the R134a or the HFO1234yf gas directly during activation in the workshop.

ECK NEXT offers outstanding "value for money" as it is very easy to use with its 5" touch screen display. With its modular features, the machine can be configured to meet the most specific needs. The upgrade with the Gas Analyser detects the different components of the refrigerant, and the result provides information about their percentages. Further, this innovative solution offers the benefit of an external Analyser (no contamination of the A/C Station) without taking up any external space; Hybrid Kit and Wi-Fi Connectivity complete the optional key points of this machine.

The unit is equipped with the original Ecotechnics hermetic universal oil (AEK285-N) and also with a refillable container. The Ecotechnics C.A.R. method (Compressor Assisted Recharge) allows fast and accurate gas charging also in high temperature conditions. With the advanced technology based on an innovative solenoid valve system, ECK NEXT consumes 20% less energy than the previous models.

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ECK TWIN PRO

Ecotechnics for HFO1234yf and R134a

Best expression of the technological and functional competences of Ecotechnics in the "Black-Line" design. Two devices in one for a simple, fast, clean and safe climate service on R134a and HFO1234yf systems.

The total dual solution



Fully automatic A/C service station for recovery, recycling and recharging with the refrigerants R134a and HFO1234yf. Two different circuits and separated components for each gas ensure the purity of the refrigerant. Machine operation is very intuitive and user-friendly via a 7" colour touchscreen display. The navigation menu is special for its user-friendly features, and guides even inexperienced users safely through the professional air conditioning service.

All associated Ecotechnics features are standard, from the very clean and safe hybrid function, the pressure test with forming gas or nitrogen, automatic compensation of the service hose length and the hermetic containers (AEK250-N, AEK265-N, AEK270-N).

Flexibility and upgrade options with gas identification are designed to protect the machine from contaminated refrigerants. The workshop-oriented design is user-friendly, space saving and enables easy handling in the workshop, thus making machine maintenance very easy. The high quality materials ensure resistance to kicks and impact.

ECK TWIN-PRO is the special solution proposed by Ecotechnics for both current and future workshops. The fully equipped A/C service station offers solutions for safe and professional service with the refrigerant HFO1234yf and R134a.

OEM Approvals:

PSA, Renault, Mitsubishi, Honda, Suzuki Italia, Jaguar-Land Rover, Toyota Deutschland

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The top-of-the-range product for refrigerant HFO1234yf. Most modern features are standard and offer excellent user friendly features. ECK 4000 is designed to meet VDA (German association of the automotive industry) and EGEA (European Garage Equipment Association) specifications.

ECK 4000 ECK 4000 HFO

The high end solution

Ecotechnics for HFO1234yf

"Full optional" and fully automatic A/C service station for recovery, recycling and recharging with the refrigerant HFO1234yf. The high refrigerant recovery rate ensures a crucial cutting-edge contribution to environmental protection.

The performance standard of VDA and EGEA specifications are ensured by a strict set of rules for performance and efficiency related to A/C service stations for refrigerant HFO1234yf. ECK 4000, compared to ECK 4000-HFO, includes some additional features, like the internal gas identifier supplied as standard.



ECK4000
OEM Approvals: Opel-Vauxhall



ECK4000 HFO
OEM Approvals: PSA, Toyota Deutschland

Both units have a 7" colour touchscreen that guarantees easy, intuitive and extremely user-friendly menu navigation, patented hybrid function for electrically driven compressors, and pressure test with forming gas or nitrogen. There are also 2 hermetic and refillable containers for new oils and 1 for dye.

The internal hardware is strong and professional: tubes are made of copper to reduce refrigerant losses up to the technically possible minimum. A precious contribution in terms of cost saving and environmental protection.

The special solution proposed by Ecotechnics for workshops of today and tomorrow.

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ECK 3900 PREMIUM

Ecotechnics for HFO1234yf or R134a

Consistently with the highest performance and efficiency standards for Black Line design, the project of this A/C service station artfully combines various components to offer a very attractive and powerful machine for refrigerants R134a or HFO1234yf.

The profitable service provider



Fully automatic A/C service station for recovery, recycling and recharging with refrigerants HFO1234yf or R134a. The high refrigerant recovery rate ensures a crucial contribution to environmental protection. The patented and very compact aluminium manifold makes the A/C service station unique and fast, reducing internal piping and, thereby, increasing efficiency and reliability.

The 5" LCD display guarantees easy and intuitive menu navigation, with a graphical representation of the procedures and selection of possible options with a short description. The patented hybrid function for electrically driven compressors is a very efficient cleaning system for service couplings, service hoses and internal lines. Further features are standard, including three hermetic containers, pressure test with forming gas or nitrogen, and the status light.

The machine can be easily upgraded within 10 minutes with the gas identifier, thus protecting it from contaminated refrigerants in order to enhance both safety and environmental protection. It further helps to avoid unexpected costs resulting from repair services on the contaminated machine.

This special solution proposed by Ecotechnics for current and future workshops is studied to achieve speed and savings within the Black Line Design. The fully equipped A/C service station with the performance required for safe and professional service with refrigerants HFO1234yf or R134a.

OEM Approvals:
PSA, Renault, Mitsubishi, Honda, Volvo

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ECK 1900 PREMIUM

Ecotechnics for HFO1234yf or R134a

ECK 1900 PREMIUM is the new model designed for different types of refrigerants. Focused on the future with premium quality components, ECK 1900 PREMIUM is the most valuable A/C service station.

The ageless solution for the modern workshop



Fully automatic A/C service station for recovery, recycling and recharging of different types of refrigerants. The innovative and exclusive solution allows to set the R134a and the HFO1234yf gas directly during activation in the workshop.

ECK 1900 PREMIUM offers outstanding "value for money" as it is very easy to use with its 5" touch screen display. With its modular features, the machine can be configured to meet the most specific needs.

The upgrade with the Gas Analyser detects the different components of the refrigerant, and the result provides information about their percentages. Further, this innovative solution offers the benefit of an external Analyser (no contamination of the A/C Station) without taking up any external space; Hybrid Kit and Wi-Fi Connectivity complete the optional key points of this machine.

The unit is equipped with the original Ecotechnics hermetic universal oil (AEK285-N) and with a refillable container as well. The Ecotechnics C.A.R. method (Compressor Assisted Recharge) allows fast and accurate gas charging also in high temperature conditions. With the advanced technology based on an innovative solenoid valve system, ECK 1900 PREMIUM consumes 20% less energy than the previous models.

The workshop-oriented design is user-friendly, space-saving, enables agile moving in the workshop and makes maintenance work on the machine very easy. The high-quality materials make the machine resistant to kicks and strikes. The special solution from Ecotechnics for the workshop of today and tomorrow looking for economics within the Black-Line Design. The fully automatic A/C service station with all the solutions to a safe and professional service with the refrigerant HFO1234yf or R134a.

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ECK BUS PRO

Ecotechnics for R134a

Ecotechnics' special product for refrigerant R134a. Performance parameters for ECK BUS PRO comply with the increased capacities required for services on big A/C systems, such as buses and trains.

The power performer for big a/c systems



Fully automatic A/C service station for recovery, recycling and recharging with refrigerant R134a on very large A/C systems, such as those installed in buses and trains. The high refrigerant recovery rate ensures a crucial contribution to present day environmental protection.

The special refrigerant high pressure gear pump, with a capacity of 1 kg/min flow rate in the liquid phase, provides a quick refrigerant charge, and along with the large 40 L refrigerant storage tank and 6 m service hoses, it makes working on very large A/C systems easy and fast.

The alphanumeric display guides the operator easily through the logical and professional menu navigation. The pressure test with forming gas or nitrogen is a standard feature that provides an ecological method for leak detection.

Another important feature is the discharge of "non-condensable" gases from the internal tank, which takes place automatically.

The workshop-oriented design is user-friendly and space saving. It enables easy handling in the workshop, thus facilitating maintenance work on the machine. The high quality materials make this high end A/C service station resistant to kicks and impact.

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ECK LAND

Ecotechnics for R134a

Ecotechnics' special product for the refrigerant R134a. ECK Land is designed for mobile use and can be easily transported.

The mobile companion on the road

Fully automatic A/C service station for recovery, recycling and recharging with refrigerant R134a for mobile outdoor or indoor use. The workshop-oriented design is user-friendly, space-saving and the case is made of metal. As an option is available the trolley which enables easy handling in the workshop. The high-quality materials used are chosen to make the machine resistant and strong.



The use of 6 m of service hose, which allows to reach the A/C system service ports that are often located on the top of the vehicle, is very important.

To protect the internal gas balance, all Ecotechnics A/C service stations are equipped with a lock system. In this mobile station, this is easily accessible from the front of the unit.

The A/C system pressure test can be worked out very quickly by the manual service valves and helps to measure up the A/C system.

The alphanumerical display guides even inexperienced operators safely through the whole A/C service. The data input is made on a separate keypad. The discharge of the "non-condensable" gases from the internal tank takes place manually. Thermal printer, heater, as well as strong and professionally designed components, create this special A/C service station.

OEM Approvals: JCB, CLAAS (France)

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FEATURES

	ECK FLAG	ECK NEXT	ECK TWIN PRO	ECK 4000	ECK 4000 HFO
Type of refrigerant	HFO1234yf or R134a	HFO1234yf or R134a	R134a and HFO1234yf	HFO1234yf	HFO1234yf
Voltage	220-240V 50/60 Hz	220-240V 50/60 Hz	220-240V 50/60 Hz	220-240V 50/60 Hz	220-240V 50/60 Hz
Vacuum pump	100 l/min, vacuum level 0,1 mbar	51 l/min, vacuum level 0,2 mbar	100 l/min, vacuum level 0,1 mbar	100 l/min, vacuum level 0,1 mbar	100 l/min, vacuum level 0,1 mbar
Sealed compressor	1/3 HP	1/3 HP	2 x 1/3 HP	1/3 HP	1/3 HP
Recovery speed	300 g/min in liquid phase	300 g/min in liquid phase	300 g/min in liquid phase	300 g/min in liquid phase	300 g/min in liquid phase
Scale resolution	10 gr	10 gr	10 gr	10 gr	10 gr
Oil scale resolution	5 gr	5 gr	5 gr	5 gr	5 gr
Working temperature range	11/49 °C	11/49 °C	11/49 °C	11/49 °C	11/49 °C
Filter system	1 filter for humidity	1 filter for humidity	2 filters for humidity	1 filter for humidity	1 filter for humidity
Refrigerant tank	12 liters refillable	12 liters refillable	2x12 liters refillable	12 liters refillable	12 liters refillable
Hoses	3 meters	3 meters	2 pairs, 3 meters each	3 meters	3 meters
Automatic service valves	Standard	Not available	Standard	Standard	Standard
Display	7" colour touchscreen	5" colour touchscreen	7" colour touchscreen	7" colour touchscreen	7" colour touchscreen
Connectivity WIFI - Bluetooth	Standard	Option	Not available	Not available	Not available
Hybrid function / electrically driven compressors	Standard	Option	Standard	Standard	Standard
Pressure test forming gas / nitrogen	Standard	Not available	Standard	Standard	Standard
Gas Identifier / Gas Analyser	Option, Analyser	Option, Analyser	Option, Identifier	Standard, Identifier	Option, Identifier
Flushing Kit	Option	Option	Option	Option	Option
Status light	Standard	Not available	Not available	Standard	Standard
Bottle heater	Standard	Not available	Standard	Standard	Standard
Thermal printer	Standard	Option	Standard	Standard	Standard
A/C diagnosis	Standard (R134a)	Standard (R134a)	Not available	Not available	Not available
Hermetic and refillable containers for oil and dye	Standard 2 + 1	Not available	Option	Standard 2 + 1	Standard 2 + 1
Hermetic disposable containers for oil and dye	Standard 2 + 1	Standard 1	Standard 2 + 2	Option	Option
Refillable standard containers for oil and dye	Not available	Standard 1	Not available	Not available	Not available
Automatic air purge	Standard	Not available	Standard	Standard	Standard
Dimension / weight	cm 66 x 68 x 108, 77 kg	cm 66 x 68 x 108, 63 kg	cm 67 x 62 x 107, 122 kg	cm 55 x 60 x 110, 90 kg	cm 55 x 60 x 110, 90 kg
Dimension / weight with packaging	cm 71 x 74 x 125, 95 kg	cm 71 x 74 x 125, 81 kg	cm 91 x 72 x 126, 132 kg	cm 70 x 70 x 130, 100 kg	cm 70 x 70 x 130, 100 kg

FEATURES

	ECK 3900 Premium	ECK 1900 Premium
Type of refrigerant	HFO1234yf or R134a	HFO1234yf or R134a
Voltage	220-240V 50/60 Hz	220-240V 50/60 Hz
Vacuum pump	100 l/min, vacuum level 0,1 mbar	51 l/min, vacuum level 0,2 mbar
Sealed compressor	1/3 HP	1/3 HP
Recovery speed	300 g/min in liquid phase	300 g/min in liquid phase
Scale resolution	10 gr	10 gr
Oil scale resolution	5 gr	5 gr
Working temperature range	11/49 °C	11/49 °C
Filter system	1 filter for humidity	1 filter for humidity
Refrigerant tank	12 liters (HFO), 22 liters (R134a)	12 liters refillable
Hoses	3 meters	3 meters
Automatic service valves	Standard	Not available
Display	5" colour display	5" colour touchscreen
Connectivity WIFI - Bluetooth	Not available	Option
Hybrid function / electrically driven compressors	Standard	Option
Pressure test forming gas / nitrogen	Standard	Not available
Gas Identifier / Gas Analyser	Option, Identifier	Option, Analyser
Flushing Kit	Option	Option
Status light	Standard	Not available
Bottle heater	Standard	Not available
Thermal printer	Standard	Option
A/C diagnosis	Standard (R134a)	Standard (R134a)
Hermetic and refillable containers for oil and dye	Standard 2 + 1	not available
Hermetic disposable containers for oil and dye	Option	Standard 1
Refillable standard containers for oil and dye	not available	Standard 1
Automatic air purge	Standard	Not available
Dimension / weight	cm 55 x 60 x 110, 90 kg	cm 55 x 60 x 110, 80 kg
Dimension / weight with packaging	cm 70 x 70 x 130, 100 kg	cm 70 x 70 x 130, 90 kg

FEATURES

	ECK BUS PRO	ECK LAND
Type of refrigerant	R134a	R134a
Voltage	220-240V 50/60 Hz	220-240V 50/60 Hz
Vacuum pump	170 l/min, vacuum level 0,1 mbar	72 l/min, vacuum level 0,1 mbar
Sealed compressor	21 cm3, high pressure	1/3 HP
Recovery speed	300 g/min in liquid phase	300 g/min in liquid phase
Scale resolution	10 gr	10 gr
Oil scale resolution	5 gr	5 gr
Working temperature range	11/49 °C	11/49 °C
Filter system	2 filters for humidity	1 filter for humidity
Refrigerant tank	40 liters refillable	7 liters refillable
Hoses	6 meters	6 meters
Automatic service valves	Not available	Not available
Display	LCD alphanumeric mm 146 x 82,5	LCD alphanumeric mm 98 x 39
Connectivity WIFI - Bluetooth	Not available	Not available
Hybrid function / electrically driven compressors	Not available	Not available
Pressure test forming gas / nitrogen	Standard	Not available
Gas Identifier / Gas Analyser	Not available	Not available
Flushing Kit	Not available	Not available
Status light	Not available	Not available
Bottle heater	Not available	Standard
Thermal printer	Standard	Standard
A/C diagnosis	Not available	Not available
Hermetic and refillable containers for oil and dye	Not available	Not available
Hermetic disposable containers for oil and dye	Not available	Not available
Refillable standard containers for oil and dye	Standard 1+ 1	Standard 1
Automatic air purge	Standard	Not available
Dimension / weight	cm 80 x 84 x 115, 127 kg	cm 51 x 42 x 44, 40 kg
Dimension / weight with packaging	cm 91 x 91 x 126, 137 kg	cm 70 x 70 x 80, 50 kg



PART NUMBERS

ECK FLAG	Y1F200000000
FLAG KIT HFO1234yf	Y1FH00000000
FLAG KIT R134a	Y1FR00000000
FLAG KIT HFO1234yf UK	Y1FH00000001
FLAG KIT R134a UK	Y1FR00000001
ECK NEXT	Y1N000000000
NEXT KIT HFO1234yf	Y1NH00000000
NEXT KIT R134a	Y1NR00000000
NEXT KIT HFO1234yf UK	Y1NH00000001
NEXT KIT R134a UK	Y1NR00000001
ECK TWIN PRO	K5T5A170004B
ECK 4000	K592A25VD40H
ECK 4000 HFO	K592A25HF02H
ECK 3900 PREMIUM HFO	K5Z3A250093H
ECK 3900 PREMIUM	K5Z3A250094R
ECK 1900 PREMIUM	Y1P000000000
1900 KIT HFO1234yf	Y1NH00000000
1900 KIT R134a	Y1NR00000000
1900 KIT HFO1234yf UK	Y1NH00000001
1900 KIT R134a UK	Y1NR00000001
ECK BUS PRO	XK456A000051
ECK LAND	K5V2A000000A

A professional and complete A/C Service in the automotive industry requires, besides the A/C Service Station itself, accessories, devices, consumables and solutions for leak detection and regular maintenance. In order to offer solutions that are always safe and friendly within a complete A/C programme, Ecotechnics presents the following selection of products and accessories.

XK185.000001

Easyrec Pro (HFO & R134a)

The mobile device unit for complete extraction of different types of refrigerants from A/C systems (CFC, HCFC, HFC, flammable). With Easyrec, a mobile scale (AEK302) and a recycling bottle, contaminated or unknown refrigerants can be easily and quickly dragged out from A/C systems, regardless of dry ice or other time consuming processes. Simply connect Easyrec to the low pressure service connection of the vehicle and switch on the machine. The gas quantity can be controlled on the mobile scale, and A/C system pressures can be read directly on the pressure gauges. At the end of the process the A/C system is empty and the contaminated refrigerant is in the recycling bottle. Country's or local regulations require coordinated recycling of contaminated refrigerants. With Easyrec the responsible workshop can easily handle recycling procedures, thus providing a precious contribution to environmental protection. Equipped with: 1.5 m service hose (blue), service couplers (R134a, HFO, 1/4 SAE) and 1.5 m service hose (yellow) to connect the recovery unit to the recycling bottle.



AEK120-E Digital Thermometer



XS600.00

Saniflux
The A/C system and passenger compartment air purification system.



CNT4012

40 L bottle
for R134a
R22
R404a
R507
R407C



AEK302 Electronic scale 100kg capacity



AEK207-A Manual oil injector kit for R134a
AEK207-B Manual oil injector kit for HFO1234yf

This device is ideal for the manual injection of specific types of oil and/or dye. Easy to use solution also in case of A/C units without dye management.



DB.AUTOAGRI Data Base update for car, commercial, agricultural vehicles



AEK317 Double valve extractor screwdriver



AEK102-N7-R5 Bypass adapters set for Flushing Kit



KIT.GAS (HFO1234yf)



R1234yf: 0 % | R22: 0 % | Air: 0 %
R134a: 100 % | Hydrocarb: 0 %

Gas analyser

Most Ecotechnics A/C stations present the option of upgrading with a Gas Analyser or a Gas Identifier to protect the machine against contaminated refrigerants in order to offer safety and environmental protection, besides avoiding unexpected costs resulting from repair service of the contaminated machine. The new gas analyser from Ecotechnics detects the different components of the refrigerant, and the result provides information about their percentages. Further, this innovative solution offers the benefit of an external Analyser (no contamination of the A/C Station). During installation, internal space is perfectly used without taking up any external space.

XS180.000000 (HFO1234yf)
XS185.000000 (R134a)



Gas identifier

The Gas Identifier ensures adequate purity of the refrigerant with a "pass-fail" test.

KIT.WIFI



Connectivity kit

New generation Ecotechnics A/C Service Stations are connective with WI-FI and Bluetooth to integrate digital work processes in the workshop as information flow on smartphones or tablets, remote checks on machine status and operation, and automatic software updates.

KIT.GAS R134 R134a adapter kit for gas analyser KIT.GAS



KIT.STM Thermal Printer Upgrade option



KIT.HYBRID



Hybrid Kit (HFO & R134a)
This after-market option allows to add the hybrid function to A/C stations that are equipped with adequate software: a future-oriented solution for contemporary workshops.

AEK102-N14-5 (R134a)
AEK102-N14-6 (HFO1234yf)


















Flushing kit

In case of compressor or other component failure, it is mandatory to remove any metal shavings that may have accumulated inside the system before a new installation. The manufacturers of many compressors do not grant a warranty that covers their new components unless the A/C system is mechanically flushed prior to installation.

Advantages:

- No solvents.
- Only refrigerant for flushing->Environment-friendly.
- Use of a bottle in vacuum-> High flushing speed for efficient cleaning.
- Fully automatic cycles -> Fast procedure, time saving.

The daily air conditioning service, the replacement of wearing parts, the maintenance and eventual repairs, require connectors, hoses and adapters. Here is the most useful selection of the necessary products.

 <p>AEK109A Terminal valve high pressure 1/4" SAE</p>	 <p>AEK109B Terminal valve, low pressure 1/4" SAE</p>	 <p>AEK116-1 Adapter for refrigerant bottles for ACME hoses</p>
 <p>AEK1234A Quick coupler HP HFO</p>	 <p>AEK1234B Quick coupler LP HFO</p>	 <p>AEK208A Quick coupler HP R134a</p>
 <p>AEK208B Quick coupler LP R134a</p>	 <p>AEK211 Special quick-connect coupling R134a (Ford, BMW)</p>	 <p>AEK277 Special quick-connect coupling HFO1234yf (Ford)</p>
 <p>AEK228A Quick coupler HP R134a</p>	 <p>AEK228B Quick coupler LP R134a</p>	 <p>AEK229A Quick coupler HP HFO1234yf</p>
 <p>AEK229B Quick coupler LP HFO1234yf</p>	 <p>AEK230A Quick coupler HP R134a 1/4" SAE</p>	 <p>AEK230B Quick coupler LP R134a 1/4" SAE</p>

 <p>AEK213 Nitrogen coupler for A/C machines</p>	 <p>AEK218A HP "puff free" coupler for HFO</p>	 <p>AEK218B LP "puff free" coupler for HFO</p>
 <p>AEK224A HP "puff free" coupler for R134</p>	 <p>AEK224B LP "puff free" coupler for R134a</p>	  <p>AEK318 Fitting for Dupont bottle AEK319 Fitting for Honeywell bottle</p>
 <p>AEK320 Fitting LP for bottle R134a</p>	 <p>TUB2122 Blu hose 3 mt HFO</p>	 <p>TUB2132 Red hose 3 mt HFO</p>
 <p>TUB2126 Blu hose 6 mt HFO</p>	 <p>TUB2136 Red hose 6 mt HFO</p>	 <p>TUB1144 Red hose 6 MT. 1/4" SAE</p>
 <p>TUB1145 Blu hose 6 MT. 1/4" SAE</p>	 <p>TUB2146 Red hose 3 mt. R134a</p>	 <p>TUB2147 Blu hose 3 mt. R134a</p>
 <p>TUB1148 Red hose 6 mt. R134a</p>	 <p>TUB1149 Blu hose 6 mt. R134a</p>	 <p>ECOTECHNICS SIMPLY EFFICIENT</p>

 <p>AEK203-C-5 Box of 5 sealed bottles of tracer (55ml)</p>	 <p>AEK250-N-6 Box of 6 sealed oil cartridges PAG46 250ml for R134a mechanical compressor</p>	 <p>AEK255-N-6 Box of 6 sealed oil cartridges PAG100 - 250ml for R134a mechanical compressor</p>
 <p>AEK265-N-6 Box of 6 sealed oil cartridges PAG100 - 250ml for R134a, HFO1234yf mechanical compressor</p>	 <p>AEK285-N-6 UNIVERSAL Box of 6 sealed oil cartridges POE68 - 250ml for R134a HFO1234yf mechanical and electric compressor</p>	 <p>AEK270-N-6 UNIVERSAL Box of 6 sealed dye cartridges 125ml for R134a, HFO1234yf mechanical and electric compressor</p>
 <p>AEK286-N-6 UNIVERSAL Box of 6 sealed oil + dye cartridges 250ml for R134a HFO1234yf mechanical and electric compressor</p>	 <p>AEK275-6 UNIVERSAL Box of 6 oil bottles PAG100 - 250ml for R134a HFO1234yf mechanical and electric compressor</p>	 <p>AEK276-6 UNIVERSAL Box of 6 oil bottles PAG46 - 250ml for R134a HFO1234yf mechanical and electric compressor</p>
 <p>AEK280-6 Box of 6 oil bottles PAG46 - 250ml for R134a and mechanical compressor</p>	 <p>AEK281-6 Box of 6 oil bottles PAG100 - 250ml for R134a and mechanical compressor</p>	 <p>AEK283-6 Box of 6 oil bottles POE100 - 250ml for R134a and electric compressor</p>
 <p>AEK290-6 UNIVERSAL Box of 6 dye bottles 250ml for R134a HFO1234yf mechanical and electric compressor</p>	 <p>AEK296-6 UNIVERSAL Box of 6 oil + dye bottles 250ml for R134a HFO1234yf mechanical and electric compressor</p>	 <p>AEK322 Bottle of Sanniflux Liquid (1000 ml)</p>
 <p>GRCNT 16 Refillable and hermetic container (260 ml)</p>	 <p>GRCNT 17 Refillable and hermetic container (260 ml)</p>	 <p>GRCNT 18 Refillable and hermetic container (260 ml)</p>
 <p>GRCNT 19 Refillable and hermetic container (260 ml)</p>	 <p>RAC8088 Adapter for previous dye cartridges</p>	 <p>RAC9000 Adapter for previous oil cartridges</p>

 <p>AEK304N Universal nitrogen leak detection kit with nitrogen hydrogen bottle (950ml) with quick couplers R134a and HFO</p>	 <p>AEK305 Nitrogen + H2 bottle (950ml)</p>	 <p>AEK178 Electronic Leak Detector, one instrument for identifying R134a, HFO1234yf and Hydrogen</p>
 <p>AEK145 UV cobra led lamp, fluorescent enhanced goggles</p>	 <p>AEK203 Cobra Kit HD- Leak detector for A/C circuits including goggles, UV Cobra lamp, hermetic dye cartridge 55 ml for 7 applications, dye injector (R134a)</p>	

Maintenance

<p>KIT016 Maintenance Kit includes 1 bottle 500ml of vacuum pump oil + 1 filter FLT5005</p> 	<p>KIT017 Maintenance Kit includes 1 bottle 500ml of vacuum pump oil + 1 filter FLT5512</p> 	
<p>KIT018 Maintenance Kit Includes bottle 500ml of vacuum pump oil + 1 filters FLT5005 and 1 filter FLT5006</p> 	<p>PMP3335 Vacuum pump oil 500 ML. ISO46</p> <p>TUB1260 Gas sample hose (HFO) for gas analyser & identifier</p> 	
<p>FLT5507 Filter for gas analyser & identifier</p> 	<p>FLT8006 Filter for Flushing Kit 30µ (R134a)</p> 	<p>FLT8007 Filter for Flushing Kit 20µ (HFO)</p> 

The logo for ECOTECHNICS, featuring the company name in a stylized, italicized font within a white-bordered rectangle.

SIMPLY EFFICIENT

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