



**AUTOMOTIVE AIR CONDITIONING
RECOVERY RECYCLING MACHINES**

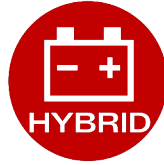
OUR SERVICES



Saniflux



The first A/C system and passenger compartment air purification system combined with a charging station. 2 services in a single station!



Hybrid



Patented single-station solution for charging standard, hybrid and electric vehicles, with electric compressors.



Diag



Integrated system for diagnosis of electromechanical problems on A/C systems, featuring printout of diagnosis and problem solutions.



Nitro



A/C system leak testing by charging with nitrogen from an external tank (not included) and monitoring pressure drops, with leak alarm.



Hermetic



Collapsible, hermetic cartridges offer full protection against ambient humidity for oil and dye, to guarantee full product efficiency.



The first air purification system combined with an A/C charging station

Saniflux
Patented



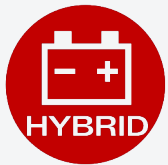
Our patented Saniflux system system applies **ultrasound** technology (the same used in sub-micron aerosols) to passenger compartment air purification and evaporator sanitising, to eliminate annoying odors and infuse a pleasant scent.

With the **certified Saniflux** Liquid in the tank, select the service time from the station menu according to **vehicle type** (small, medium, large) and start treatment, this can be performed **simultaneously** with A/C system charging in full automation. It is possible to **direct the flow** of nebulised product toward the evaporator, where bacteria, mold, sinus irritants and **allergens** may hide.

The concentrated, continuous flow guarantees highly-effective and long-lasting **bactericide** treatment.

It works also on stand alone mode.





Suitable for all hybrid vehicles

Hybrid
Patented Pending



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 a specific high-performance **electrical insulating oil**.

Use of other oils may prove dangerous for the operator during system testing if high voltages are present. Preliminary **flushing** of the station and the service hoses are recommended before servicing a system of this type. Flushing eliminates the risk that residues of different (non-insulating) oils may be injected into the A/C system, jeopardising its safety and proper operation.



Our **patented** flush cycle process is performed automatically with specific integrated lateral service hose couplings.





The importance of patented diagnosis in recycling stations

Diag
Patented

ALL THE ADVANTAGES

- Easy to use
- Fast, accurate diagnosis
- Printout of diagnosis and list of remedial actions
- Reliability
- Perfect integration with the stations

Being able to diagnose a simple A/C malfunction is a critical process that all professional automotive service centers have a need for. We offer the following patented solutions:

1 Static Diagnosis

The station uses the pressure and temperature values entered by the operator to perform automatic diagnosis.

2 Dynamic Diagnosis

With the pressure and temperature sensors A/C connected to the system, the station conducts analysis with no further need of operator intervention. The station prints a report for each type of diagnosis.





Nitrogen leak testing

Nitro

The nitrogen leak testing system is an alternative to traditional leak detection methods (testing during the vacuum phase or dye injection). The advantage offered by nitrogen is that leak testing may be conducted under **pressure** with an **inert** gas.

It is useful in those circumstances in which the use of a dye is not permissible (for example, in automobile manufacturing).

This system is fully integrated with the recharging stations to eliminate the need for operator intervention during service. The system prints a leak test report at the end of testing.





Hermetic oil and dye cartridges

Hermetic
Patented

An A/C station equipped with **hermetic cartridges** offers the advantage of eliminating contact between the humidity naturally present in ambient air and the oil or dye, which are hygroscopic substances (that is, substances that easily absorb humidity).

The collapsible, accordion-type hermetic cartridges guarantee the **high quality of the product** charged and protect the internal components of the station from possible damage from oils and/or dyes of uncertain nature.

Moreover, many vehicle manufacturers recommend use of hermetic cartridges in their authorized service centers repair shops.



ECK1890

Fully automatic station for recovering, recycling, and recharging R134a or HFO1234yf refrigerant with **Heavy Duty condenser** and **improved ventilation**



Type of refrigerant	R134a or HFO1234yf
Service procedure	Fully automatic or manual
Voltage	220-240V 50/60 Hz 110V 50/60 HZ
Scale resolution	10 g
Oil scale resolution	5 g
Working temperature range	11/49°C
Filter system	1 filter for humidity
Vacuum pump	100 litre/min capacity, 0.1 mbar vacuum level
Compressor	1/3 HP
Recovery speed	300 g/min in liquid phase
Refrigerant tank	12 litres, refillable
Hoses	3 meters
Dimensions/Weight	55 x 60 x 105cm / 60kg
Dimensions/Weight Packaging	70x70x122cm / 70kg
Pressure gauges	Class 1
Bottle pressure gauge	Class 2.5
Bottle heater	Standard equipment

STANDARD FEATURES



Automatic Dye Injection
With refillable containers and electronic scale.



USB port for software and Data Base



Thermal Printer
For a complete, detailed report.

Refrigerant Management
Each service is saved in station memory, offering the option of creating a customised archive of all refrigerant transactions.

Automatic Leak Testing
The station checks for leaks during the vacuum phase. If leaks are found, it interrupts operation and gives an alarm.



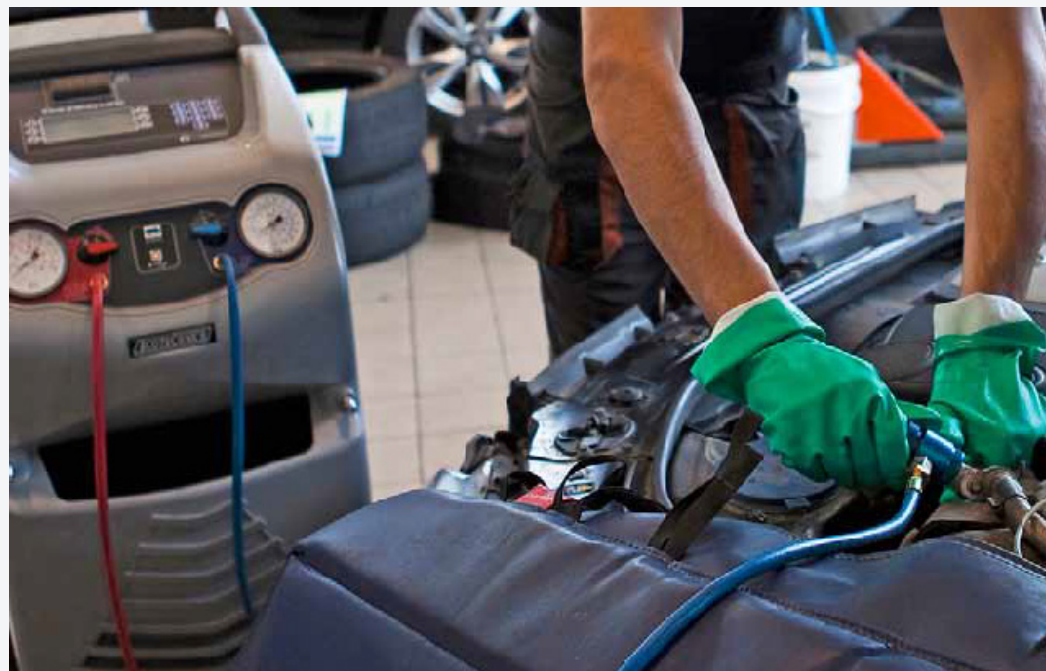
OPTIONS

Flushing Kit (AEK102-N14-5)

For cleaning A/C systems by flushing with refrigerant.



Patented



ECK3900

Fully automatic station for recovering, recycling, and recharging R134a or HF01234yf refrigerant



Type of refrigerant	R134a or HF01234yf
Service procedure	Fully automatic or manual
Voltage	220-240V 50/60 Hz 110V 50/60 HZ
Scale resolution	10 g
Oil scale resolution	5 g
Working temperature range	11/49°C
Filter system	1 filter for humidity (112 g)
Vacuum pump	100 litre/min capacity, 0.1 mbar vacuum level
Compressor	1/3 HP
Recovery speed	300 g/min in liquid phase
Refrigerant tank	22 litres, refillable (12 litres for HFO)
Hoses	3 meters
Dimensions/Weight	55 x 60 x 105cm / 90kg
Dimensions/Weight Packaging	70x70x122cm / 100kg
Thermal printer	Standard equipment
Pressure gauges	Class 1
Bottle heater	Standard equipment

STANDARD FEATURES



5" Color Display with icon messaging for easy use



Automatic HP-LP taps with possibility to select from which port of the a/c system to recover /charge



Nitro Integrated Nitrogen and Nitrogen+Hydrogen leak detection with a connection for external tank



Hybrid (patent pending) Integrated function for service hose flushing for use with vehicles equipped with electric compressors



Hermetic containers, for new oil and dye.

OPTIONS

Flushing Kit

For cleaning A/C systems by flushing with refrigerant.



Gas Identifier

controlled by the machine



Saniflux

Passenger compartment air purification system.



Hermetic & refillable

containers, for new oils, and for dye (programmable).



Diag (only for R134a)

Dynamic diagnosis module



KOOLKARE DUAL GAS

Fully automatic Dual-Gas station for recovering, recycling, and recharging R134a and HF01234yf refrigerants.



Type of refrigerant	R134a or HF01234yf
Service procedure	Fully automatic or manual
Voltage	220-240V - 50/60 Hz
Scale resolution	10 g
Oil scale resolution	5 g
Working temperature range	11/49°C
Filter system	2 filter for humidity (112 g)
Vacuum pump	100 litre/min capacity, 0.1 mbar vacuum level
Compressor	Hermetically sealed, 2x12 cc, high pressure
Recovery speed	300 g/min in liquid phase
Refrigerant tank	2x12 litres, refillable
Hoses	2 pairs, each 3 meters
Dimensions/Weight	67 x 62 x 107 / 122 kg
Dimensions/Weight Packaging	91 x 72 x 126 / 132 kg
Thermal printer	Standard equipment
Pressure gauges	Class 1
Display	Color graphic, touch screen
Bottle temperature sensor	Integrated
Bottle heater	Automatic



STANDARD FEATURES



Nitro Integrated Nitrogen and Nitrogen+Hydrogen leak detection with a connection for external tank



Hybrid function, with service hose flushing, for use with vehicles equipped with electric compressors



4 separate lines for oil and dye with hermetic containers



"Puff free" couplers to save refrigerant with every disconnection

OPTIONS

Flushing Kit

For cleaning A/C systems by flushing with refrigerant.



Gas Identifier

Controlled by the machine



Saniflux

Passenger compartment air purification system.



4 separate lines

for oil and dye with hermetic and refillable containers (programmable)

