

ECK TWIN 12

The complete station for R134a and HFO1234yf



ECK TWIN 12 is the renovated expression of the functional and technological skills of the Ecotechnics brand. Two machines in one is the simple, fast and safe solution. ECK TWIN 12 is renewed by adopting some of the most successful modern technological standards

Fully automatic A/C charging station for recovery, recycling and charging for R134a and HFO1234yf

- Two independent circuits with specific components for each gas
- New 7" touch screen display for an easy, fast and intuitive navigation
- Energy-saving with 12-volt solenoid valve technology
- Built-in hybrid function for the flushing of service hoses and internal circuits. Indispensable for the service on systems with an electric compressor.
- Optional refrigerant analyser for % detection of refrigerant components tested: HFO1234yf, R134a, R22, HC hydrocarbons and air.
- Automatic test of the A/C system under pressure with nitrogen or hydrogen/nitrogen mixture
- Management of 2 oils and 2 tracers, both with hermetic containers that can be filled and with hermetic cartridges
- Automatic purging of non-condensable gases
- WIFI connection as standard
- Complete database also including commercial and agricultural vehicles
- Innovative and practical cylinder locking system from the outside
- 100V or 110V transformer available as an optional feature



K6T5A000000B

OEM Approvals:

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

*) ECK TWIN 12 is the evolution of ECK TWIN PRO

**) Approval obtained on ECK TWIN PRO

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Type of refrigerant	R134a and HFO1234yf
Display	7" colour touchscreen
Service valves	Automatic
Thermal printer	Standard
Hermetic and refillable containers for oil and dye	Standard 2 + 2
Hermetic disposable containers for oil and dye	Standard 2 + 2
Refillable standard containers for oil and dye	Not available
Hoses	2 pairs, 3 meters each
Data Base Car-Truck-Agri	Standard
Refrigerant Configuration	Not available
Hybrid function / electrically driven compressors	Standard
Pressure test forming gas / nitrogen	Standard
Gas Identifier / Gas Analyser	Option, Analyser
Connectivity WIFI	Standard
Flushing Kit	Option
Leak check in vacuum	Standard
Non condensable gas purge	Automatic
Voltage	220-240V 50/60 Hz
Vacuum pump	100 l/min, vacuum level 0,1 mbar
Sealed compressor	2 x 1/3 HP
Recovery speed	300 g/min in liquid phase
Tank Scale resolution	10 gr
Oil scale resolution	5 gr
Working temperature range	11/49 °C
Filter system	2 filters for humidity
Refrigerant tank	2x12 liters refillable
Bottle heater	Standard
Dimension / weight	cm 67 x 62 x 107, 122 kg
Dimension / weight with packaging	cm 76 x 70 x 125, 132 kg

STANDARD



OPTIONS



TRANSFORMER
110 V / 100 V
• KIT.TRF110
• KIT.TRF100



RECOMMENDED ACCESSORIES

Safe and suitable solutions for ECK TWIN 12



SAE GAS ANALYSE KIT.GAS

Verifying the purity of the refrigerant before the climate service is very important because it avoids costs of decontamination of the station, repair of the A/C system and allows the regular disposal of the contaminated gas. The workshop protects the environment and avoids the risks of possible lawsuits.

Benefits of the SOCS solution:

- External unit and external gas sample hose (no use of service hoses!)
- No external space required – integrated into the machine
- Easy installation in less than 20 minutes



Starterkit AEK006-2

The top recommendation for AC compressor oils and leak detection with UV light.



Diagnosis Sight Glass AEK232-2 for HFO1234yf or Diagnosis Sight Glass AEK232-1 for R134a

- Visual inspection of the refrigerant on the vehicle by running air conditioning system
- Visual inspection of the refrigerant when filling AC stations
- Use as a protective filter for AC stations in the case of unsafe vehicle AC systems.



HP Swift coupling

AEK231-2 for HFO1234yf or
AEK231-1 for R134a

HD extension couplings for e.g. BMW, Ford and Volvo, the solution when access to the HD service connections is difficult.



Manual injector

AEK204A for R134a

AEK204B for HFO1234yf

Fill compressor oil or dye manually via the LP connection by running AC system.



Flushing kit AEK102-N21 (neutral unit requires configuration)

+ AEK102-N21-1 Kit for HFO1234yf or

+ AEK102-N21-2 Kit for R134a

For cleaning the A/C system of components on the vehicle with refrigerant by an AC service station.

- Environmentally friendly because no solvents are used but only refrigerant
- Very efficient cleaning thanks to the high washing speed obtained with the vacuum in the tank
- Patented universal adapters for creating bypasses
- The amount of refrigerant can be defined by the user (washing a component rather than a system)
- Time-saving and efficiency thanks to the fast process and fully automatic cycles



Most focussed selection of A/C compressor oil and dye

With just 3 standards, over 95% of market requirements are covered. Details in the catalog on page 30.

- Simple solution for the user
- Any product is "universal" for both HFO and R134a, mechanical and electric compressor
- Choice of bottles or hermetic cartridges
- Focussed on the most popular PAG and POE standards
- Sales unit = 6

AEK275	Oil bottle PAG100 - 250ml for R134a, HFO1234yf mechanical and electric compressor
AEK276	Oil bottle PAG46 - 250ml for HFO1234yf, R134a mechanical and electric compressor
AEK287	Oil bottle POE80 - 250ml for R134a, HFO1234yf mechanical and electric compressor
AEK386	Oil + dye bottle POE85 - 250ml for R134a, HFO1234yf mechanical and electric compressor
AEK290	Dye bottle - 250ml for R134a, HFO1234yf mechanical and electric compressor

Maintenance

STM0012-KIT	Thermal paper for printer kit 10 pc.
KIT017	Maintenance Kit. Includes 1 bottle 500ml of vacuum pump oil PMP3335 + 1 filter FLT5512
FLT5512	Filter for humidity, 100 kg
PMP3335	Vacuum pump oil 500 ml ISO46