

ECK 4012

Premium class in a timeless design



The top of the Black Line range. Most modern features are standard and offer the best performance and ease of use. The refrigerant configuration is done during the initial start-up. Future-oriented standard features and high-quality components make the ECK 4012 a highlight among the most modern air conditioning service units.

Fully automatic climate station for recovery, recycling and charging for R134a or HFO1234yf

- Configuration of the refrigerant during activation with the corresponding R134a or HFO kit
- Large 7" touch screen display for an easy, fast and intuitive navigation
- Energy-saving with 12-volt solenoid valve technology
- Built-in Hybrid feature for the flushing of service hoses and internal circuits. Indispensable for the service on systems with an electric compressor.
- Optional refrigerant analyser to detect % 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 1 tracer - both with hermetic containers that can be filled- and with hermetic cartridges
- Automatic purging of non-condensable gases
- Wi-Fi connection as standard
- Complete database including commercial and agricultural vehicles
- Status light



ECK 4012



Y1Q200000000

Agri: Y1Q2000AG000 (6m hoses, air-filled wheels)

ECK 4012

Premium class in a timeless design



The top of the Black Line range. Most modern features are standard and offer the best performance and ease of use. The refrigerant configuration is done during the initial start-up. Future-oriented standard features and high-quality components make the ECK 4012 a highlight among the most modern air conditioning service units.

Type of refrigerant	HFO1234yf or R134a
Display	7" colour touchscreen
Service valves	Automatic
Thermal printer	Standard
Hermetic and refillable containers for oil and dye	Standard 2 + 1
Hermetic disposable containers for oil and dye	Standard 2 + 1
Refillable standard containers for oil and dye	Not available
Hoses	3 meters (agri 6 meters)
Data Base Car-Truck-Agri	Standard
Refrigerant Configuration	Standard
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	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	1 filter for humidity, 100 kg
Refrigerant tank	12 liters refillable
Bottle heater	Standard
Status light	Standard
Dimension / weight	cm 55 x 60 x 110, 90 kg
Dimension / weight with packaging	cm 76 x 70 x 125, 100 kg

STANDARD



OPTION



Y1Q20000000	ECK 4012
Y1Q2000AG000	ECK 4012 agri
Y2FH00000000	Refrigerant Kit TOP HFO1234yf
Y2FR00000000	Refrigerant Kit TOP R134a
Y2FH00000001	Refrigerant Kit TOP HFO1234yf UK
Y2FR00000001	Refrigerant Kit TOP R134a UK

RECOMMENDED ACCESSORIES

Safe and suitable solutions for ECK 4012



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

