was founded in 1995 with the aim of producing technologically advanced systems for today’s auto repair shop. The Ecotechnics product range is strictly aligned with the new repair shop working practices: less direct intervention on the engine and better service offered by new opportunities linked to ecology. In just a few years Ecotechnics has become a world leader in the air-conditioning sector. The company boasts a technical staff that can develop new products, new design, new-model patents and prototypes, as well as a spacious showroom and meeting rooms with spaces for holding technical training courses and practical demonstrations on vehicles. All this is supported by strong association with the automobile manufacturers, whose collaboration has permitted the company to generate ideas and products in harmony with the new-generation automobiles and the new working philosophies of the modern repair shop.

Continuing investment in research and development, an efficient production cycle, a never-ending search for perfection in assembly of its products, and use of only premier-quality components has made the Ecotechnics brand name a byword at a global level. Another extremely important concern for Ecotechnics is quality control. 100% of the machines produced are rigorously checked by automatic testing programs and a staff of specialized test technicians, who with the aid of sophisticated computerized diagnostic systems check each single function to verify perfect operation of the machines before they leave the factory. These are the simple but fundamental parameters on which company philosophy is based. And it is this philosophy that has permitted Ecotechnics to become a world leader in its sector in such a short time. Ecotechnics products are now distributed in over 40 countries throughout the world.
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Ecoklima “New Generation”

The Ecoklima line has been aesthetically re-designed with new modular accessories that make it possible to create the ideal “tailor-made” machine for any application.

The top-of-the-range ECK 3000 offers a series of function for fully customization. The customer may request the **Integrated Diagnostic System**, suitable for verifying any A/C system, with diagnostic printout of the type of problem, the procedure for correcting it, and graphs of the pressures relative to the test. Another option is the **Refrigerant Identifier**, which warns the user if the gas in the vehicle system is different from that in the bottle (and therefore not recyclable). The **standard Automatic Dye** function permits injecting leak-dye liquid automatically, to speed up service of the A/C system.

The strong point of this new generation of machines is the premier quality of the components and materials. The frame, in high-resistance galvanized steel, can be disassembled. The compact design of the new internal distributor (**patented aluminum singe-block construction**) has made it possible to reduce size and make it easier to access the internal components. The new outer casing, features advanced design, and is built by **Injection Molding** to guarantee durability and strength.
Available in three versions:

- **ECK 1500**
  - Code: XK230.000000

- **ECK 2500**
  - Code: XK270.000000

- **ECK 3000**
  - Code: XK201.000002
ECK 1500

A new Ecoklima line combining industrial design with the most advanced instrumentation technologies for recharging A/C systems.

**AUTOMATIC FUNCTIONS:**
- RECOVERY - RECYCLING
- USED OIL DISCHARGE
- PROGRAMMABLE VACUUM
- PROGRAMMABLE CHARGING with a preset quantity of refrigerant, with automatic stop at end of operation.
- ALARMS for high pressure, full bottle, and empty bottle.
- SERVICE ALARM, acoustic and visual, for requesting maintenance and filter replacement.
- BOTTLE HEATER: automatic.
- SENSOR for bottle temperature.

**MANUAL FUNCTIONS:**
- New oil injection
- Discharge of non-condensable gases

**VACUUM PUMP**
high-performance type. The end of the vacuum phase is signaled by an acoustic alarm.

**FULLY EXTRACTABLE PANEL**
for easy maintenance.

**DISTRIBUTOR GROUP:** internal, patented, optimized for maximum performance and reliability.

**SOFTWARE UPDATES**
via Internet through RS232 serial line.

**ECK 1500**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refrigerant type</td>
<td>R134a (R12 on request according to local reg.)</td>
</tr>
<tr>
<td>Service procedure</td>
<td>Automatic or manual</td>
</tr>
<tr>
<td>Voltage</td>
<td>220-240V/50-60 Hz</td>
</tr>
<tr>
<td>Operating temp. range</td>
<td>± 10 gr</td>
</tr>
<tr>
<td>Campo operativo</td>
<td>11/49°C</td>
</tr>
<tr>
<td>Filter system</td>
<td>2 filters for humidity and acidity</td>
</tr>
<tr>
<td>Vacuum pump</td>
<td>Capacity 4.3 m³/h, 0.1 mbar vacuum</td>
</tr>
<tr>
<td>Compressor</td>
<td>12 cc, hermetic, high pressure</td>
</tr>
<tr>
<td>Recovery speed</td>
<td>Max 300 g/min in liquid phase</td>
</tr>
<tr>
<td>Refrigerant bottle</td>
<td>10 kg rechargeable</td>
</tr>
<tr>
<td>Hoses</td>
<td>3 meters</td>
</tr>
<tr>
<td>Dimensions</td>
<td>55 x 60 x 105 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>90 kg</td>
</tr>
</tbody>
</table>

**AVAILABLE VERSION:**
CODE XK230.000000
ECK 2500

With new electronics, this is a completely automatic Ecoklima line machine with printer and dye to guarantee fast, simple operation.

AUTOMATIC FUNCTIONS:
- RECOVERY - RECYCLING
- USED OIL DISCHARGE
- PROGRAMMABLE VACUUM
- REFRIGERANT CHARGING
- NEW OIL INJECTION
- SERVICE ALARM, acoustic and visual, alerting maintenance and filter replacement.
- BOTTLE HEATER: automatic
- SENSOR for bottle temperature.

MANUAL FUNCTIONS:
Discharge of non-condensable gases.

FULLY EXTRACTABLE PANEL
for easy maintenance.

DISTRIBUTOR GROUP:
internal, patented, optimized for maximum performance and reliability.

SOFTWARE UPDATES
via Internet through RS232 serial line.

OPTIONS:

AUTOMATIC DYE INJECTION
to permit inserting a predetermined quantity of dye fluid.

ECK 2500
Refrigerant type R134a (R12 on request according to local reg.)
Service procedure Completely automatic or manual
Voltage 220-240V/50-60 Hz
Scale resolution ± 10 gr
Oil scale resolution ± 5 gr
Operating temp. range 11/49°C
Filter system 2 filters for humidity and acidity
Vacuum pump Capacity 4.3 m³/h, 0.1 mbar vacuum
Compressor 12 cc, hermetic, high pressure
Recovery speed Max 300 g/min in liquid phase
Refrigerant bottle 10 kg rechargeable
Hoses 3 meters
Dimensions 55 x 60 x 105 cm
Weight 90 kg

AVAILABLE VERSIONS:
CODE XK270.000000 standard version
CODE XK271.000002 with dye
ECK 3000

With a new appearance and a choice of optional modules, the ECK 3000 is one of the best choices available on the market in terms of versatility, technology, and reliability.

**AUTOMATIC FUNCTIONS:**

- RECOVERY - RECYCLING
- USED OIL DISCHARGE
- PROGRAMMABLE VACUUM
- NEW OIL INJECTION
- DYE INJECTION
- REFRIGERANT CHARGING
- AUTOMATIC DYE INJECTION AS A STANDARD FEATURE permits the user to insert a predetermined quantity of dye fluid.
- SELF-DIAGNOSIS: automatic, for each of the internal solenoid valves.
- AUTOMATIC DISCHARGE of non-condensable gases from the bottle.
- AUTOMATIC FILLING of the internal bottle.
- BOTTLE HEATER: automatic.
- SERVICE ALARM, acoustic and visual, alerting maintenance and filter replacement.

**DISTRIBUTOR GROUP:** internal, patented, optimized for maximum performance and reliability.

**SOFTWARE UPDATES**
via Internet through RS232 serial line.

**LCD DISPLAY:**
alphanumeric, back-lit for maximum display of all data.

**THERMAL PRINTER,** with a customization option for username and graphs of the pressures obtained during checking of the A/C system.
INTEGRATED DIAGNOSIS SYSTEM MODULE
Permits running diagnostic tests on all A/C systems and prints graphs and information for problem solving.
- Air delivery temperature sensor
- Compressor pressure-switch sensor (flooded systems)

GAS IDENTIFIER MODULE
Today, many types of refrigerant gas mixes, used to substitute the obsolete R12, are available on the market. However, since there are mixes they are absolutely non-recyclable. The gas identifier feature permits immediate identification (before recovery) of the type of refrigerant gas and allows the technician to establish whether or not the gas is recyclable, thus avoiding contamination damage of the internal bottle of the recharger.
- Designed to conform to SAE 1771 specifications.
- For automatic verification of the type of refrigerant (R12, R134) in order to avoid any type of contamination.

REFRIGERANT IDENTIFICATION: recoverable or contaminated

<table>
<thead>
<tr>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A/C DIAGNOSIS MODULE</td>
</tr>
<tr>
<td>GAS IDENTIFIER MODULE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AVAILABLE VERSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CODE XK201.000002 standard version</td>
</tr>
<tr>
<td>CODE XK201.000003 standard version + diagnosis</td>
</tr>
<tr>
<td>CODE XK201.000006 standard version + analyzer</td>
</tr>
<tr>
<td>CODE XK201.000008 standard version + diagnosis + analyzer</td>
</tr>
</tbody>
</table>

**ECK 3000**
- Refrigerant type: R134a (R12 on request according to local reg.)
- Service procedure: Completely automatic or manual
- Voltage: 220V-240V/50-60 Hz
- Scale resolution: ± 10 g
- Oil scale resolution: ± 5 g
- Operating temp. range: 11/49 °C
- Filter system: 2 filters for humidity and acidity
- Vacuum pump: Capacity 4.3 m³/h, 0.1 mbar vacuum
- Compressor: 12 cc, hermetic, high pressure
- Recovery speed: Max 300 g/min in liquid phase
- Refrigerant bottle: 10 kg, rechargeable
- Hoses: 3 meters
- Dimensions: 50 x 60 x 105 cm
- Weight: 90 kg
VALUE FAMILY

Among the A/C system recovery and recycling devices, those proposed by Ecotechnics with the ECK VALUE are certainly among the most advanced as regards in TECHNOLOGY, STRENGTH, and RELIABILITY.

Besides offering excellent technical qualities at highly competitive prices, one of the characteristics that distinguishes this generation of machines is the patented, futuristic distribution unit that eliminates all the traditional pipe unions. This aluminum group has in fact made it possible to enclose the “heart” of the distillation process that separates the oil from the refrigerant in an extremely limited space. The results greater safety during use, total elimination of gas leaks, minimum maintenance, and improved performance.
The Value family counts three versions:

- **ENTRY LEVEL**, CODE XK285.000000
- **AUTOMATIC**, CODE XK160.000000
- **FULLY AUTOMATIC** CODE XK170.000000

This family of machines can meet the needs of any user, since they make use of automatic procedures, which, according to the chosen version, include not only automatic oil injection with an electronic scale but also automatic dye injection (as an optional feature).

In short, the VALUE FAMILY is the perfect synthesis in terms of quality/price ratio.
ECK Value Entry Level

A new automatic machine, compact and easy to use.

AUTOMATIC FUNCTIONS:
- RECOVERY - RECYCLING
- PROGRAMMABLE VACUUM
- PROGRAMMABLE CHARGING with a preset quantity of refrigerant, with automatic stop at end of operation.
- ALARMS for high pressure, full bottle, empty bottle.

MANUAL FUNCTIONS:
- Used oil discharge
- New oil injection
- Discharge of non-condensable gases
- Refrigerant charging

ELECTRONIC SCALE

LED DISPLAY
high-contrast.

LARGE-SIZE GAUGES
for easier reading.

SOFTWARE UPDATES
via Internet through RS232 serial line.

AVAILABLE VERSION
CODE XK285.000000

ECK Value-EL

<table>
<thead>
<tr>
<th>Refrigerant type</th>
<th>R134a (R12 on request according to local reg.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service procedure</td>
<td>Automatic or manual</td>
</tr>
<tr>
<td>Voltage</td>
<td>220V-240V/50-60 Hz</td>
</tr>
<tr>
<td>Scale resolution</td>
<td>± 10 g</td>
</tr>
<tr>
<td>Operating temp. range</td>
<td>11/49 °C</td>
</tr>
<tr>
<td>Filter system</td>
<td>2 filters for humidity and acidity</td>
</tr>
<tr>
<td>Vacuum pump</td>
<td>Capacity 4.3 m³/h, 0.1 mbar vacuum</td>
</tr>
<tr>
<td>Compressor</td>
<td>12 cc, hermetic, high pressure</td>
</tr>
<tr>
<td>Recovery speed</td>
<td>Max 300 g/min in liquid phase</td>
</tr>
<tr>
<td>Refrigerant bottle</td>
<td>10 kg, rechargeable</td>
</tr>
<tr>
<td>Hoses</td>
<td>3 meters</td>
</tr>
<tr>
<td>Dimensions</td>
<td>50 x 60 x 105 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>67 kg</td>
</tr>
</tbody>
</table>
ECK Value Automatic

An automatic machine that combines high performance with pleasing appearance and is user-friendly.

AUTOMATIC FUNCTIONS:
- RECOVERY – RECYCLING
- USED OIL DISCHARGE
- PROGRAMMABLE VACUUM
- PROGRAMMABLE CHARGING with a preset quantity of refrigerant, with automatic stop at end of operation.
- ALARMS for high pressure, full bottle, empty bottle.
- BOTTLE HEATER: automatic.
- SERVICE ALARM, acoustic and visual, alerting maintenance and filter replacement.

MANUAL FUNCTIONS:
- New oil injection
- Discharge of non-condensable gases
- Refrigerant charging

VACUUM PUMP:
high performance, with acoustic signal at end of the vacuum phase.

DISTRIBUTOR GROUP: internal, patented, optimized for maximum performance and reliability.

SOFTWARE UPDATES
via Internet through RS232 serial line.

CONTROL PANEL
showing machine operation state, high and low pressure gauges, and bottle pressure.

AVAILABLE VERSION
CODE XK160.000000

ECK Value Automatic

Refrigerant type R134a (R12 on request according to local reg.)
Service procedure Automatic or manual
Voltage 220V-240V/50-60 Hz
Scale resolution ± 10 g
Operating temp. range 11/49 °C
Filter system 2 filters for humidity and acidity
Vacuum pump Capacity 4.3 m³/h, 0.1 mbar vacuum
Compressor 12 cc, hermetic, high pressure
Recovery speed Max 300 g/min in liquid phase
Refrigerant bottle 10 kg, rechargeable
Hoses 3 meters
Dimensions 50 x 50 x 115 cm
Weight 90 kg
ECK Value Fully Automatic

A fully automated device: just touch a button and the machine performs all its functions automatically.

**AUTOMATIC FUNCTIONS:**
- RECOVERY – RECYCLING
- USED OIL DISCHARGE
- PROGRAMMABLE VACUUM
- NEW OIL INJECTION
- REFRIGERANT CHARGING
- AUTOMATIC OIL REINTEGRATION:
  the machine determines the quantity of oil extracted and reintegrates the same quantity.
- BOTTLE HEATER: automatic.
- SERVICE ALARM, acoustic and visual, alerting maintenance and filter replacement.

**MANUAL FUNCTIONS:**
- Discharge of non-condensable gases

**DISTRIBUTOR GROUP:**
internal, patented, optimized for maximum performance and reliability.

**SOFTWARE UPDATES**
via Internet through RS232 serial line.
PRINTER
for a complete report of all machine operations.

LCD DISPLAY
with messages on machine operating state.

MEMBRANE KEYPAD
for greater practicality and protection.

OPTIONS

AUTOMATIC DYE INJECTION
automatically inserts the desired quantity of dye fluid into the system.

ECK Value Fully Automatic
- Refrigerant type: R134a (R12 on request according to local reg.)
- Service procedure: Fully automatic or manual
- Voltage: 220V-240V/50-60 Hz
- Scale resolution: ± 10 g
- Oil scale resolution: ± 5 g
- Operating temp. range: 11/49 °C
- Filter system: 2 filters for humidity and acidity
- Vacuum pump: Capacity 4.3 m³/h, 0.1 mbar vacuum
- Compressor: 12 cc, hermetic, high pressure
- Recovery speed: Max 300 g/min in liquid phase
- Refrigerant bottle: 10 kg, rechargeable
- Hoses: 3 meters
- Dimensions: 50 x 50 x 115 cm
- Weight: 90 kg

AVAILABLE VERSIONS:
- CODE XK170.000000 standard version
- CODE XK171.000002 with dye injection
ECK TRUCK EVOLUTION

The new, completely automatic ECK Truck Evolution for heavy-duty applications reduces charging time thanks to use of a gear pump.

AUTOMATIC FUNCTIONS:

- RECOVERY – RECYCLING
- USED OIL DISCHARGE
- PROGRAMMABLE VACUUM
- NEW OIL INJECTION
- REFRIGERANT CHARGING
- AUTOMATIC DYE option, for injecting a predetermined quantity of dye fluid.
- AUTOMATIC LEAK TEST during the vacuum phase.
- AUTOMATIC DISCHARGE of non-condensable gases from the bottle.
- AUTOMATIC BOTTLE FILLING.
- SERVICE ALARM, acoustic and visual, alerting maintenance and filter replacement.

LCD DISPLAY: alphanumeric, back-lit for maximum display of all data.

THERMAL PRINTER, with customization option for username.

INTERNAL BOTTLE, 27 kg capacity

GEAR PUMP for refrigerant charging.

SOFTWARE UPDATES via Internet through RS232 serial line.

AVAILABILITY OPTIONS:

- AUTOMATIC TRACER automatically injects the desired quantity of tracer fluid into the system.

DISTRIBUTOR GROUP: internal, patented, optimized for maximum performance and reliability.

AVAILABLE VERSIONS:

CODE XK150.000000 standard version
CODE XK150.000002 with dye
CODE XK150.000010 external scale version
CODE XK150.000016 external scale version with dye injection

ECK TRUCK EVOLUTION

<table>
<thead>
<tr>
<th>Refrigerant type</th>
<th>R134a</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service procedure</td>
<td>Completely automatic or manual</td>
</tr>
<tr>
<td>Voltage</td>
<td>220V-240V/50 Hz</td>
</tr>
<tr>
<td>Scale resolution</td>
<td>± 20 g</td>
</tr>
<tr>
<td>Oil scale resolution</td>
<td>± 5 g</td>
</tr>
<tr>
<td>Operating temp. range</td>
<td>11/49 °C</td>
</tr>
<tr>
<td>Filter system</td>
<td>2 filters for humidity and acidity</td>
</tr>
<tr>
<td>Vacuum pump</td>
<td>Capacity 8 m³/h, 1 mbar vacuum</td>
</tr>
<tr>
<td>Compressor</td>
<td>21 cc, hermetic, high pressure</td>
</tr>
<tr>
<td>Gear pump</td>
<td>Capacity 1 kg/min</td>
</tr>
<tr>
<td>Refrigerant bottle</td>
<td>27 kg, rechargeable</td>
</tr>
<tr>
<td>Hoses</td>
<td>3 meters</td>
</tr>
<tr>
<td>Dimensions</td>
<td>50 x 50 x 115 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>100 kg</td>
</tr>
</tbody>
</table>
ECK NBE

A completely automatic machine for working with both the R12 and R134a types of refrigerant.

**AUTOMATIC FUNCTIONS:**
- RECOVERY – RECYCLING
- USED OIL DISCHARGE
- PROGRAMMABLE VACUUM
- NEW OIL INJECTION
- REFRIGERANT CHARGING
- SELF-DIAGNOSIS: automatic, for each of the internal solenoid valves.
- LEAK TEST: automatic during the vacuum phase.
- Automatic BOTTLE FILLING.
- SERVICE ALARM, acoustic and visual, alerting maintenance and filter replacement.

R134a – R12 with two bottles and two circuits in order to avoid all risk of contamination.

**LCD DISPLAY:** alphanumeric, back-lit for maximum display of all data.

**THERMAL PRINTER:** with customization option for username.

**SOFTWARE UPDATES** via Internet through RS232 serial line.

**AVAILABLE VERSION**: CODE XK140.000000

* Designed for use outside of the EU.

ECOREC

A/C SERVICING MACHINE FOR RECOVERY AND RECYCLING ONLY OF R12 or R134a

Refrigerant type: R12 or R134a
Voltage: 220-240V/50 Hz
Filters: 2 filters for humidity and acidity
Compressor: 12 cc, 0.33 hp
Dimensions: 50 x 25 x 75 cm
Weight: 29 kg

**AVAILABLE VERSIONS:**
CODE XK180.000015 version for R12
CODE XK180.000000 version for R134a

**ECK NBE**

Refrigerant type: R134a and R12
Service procedure: Completely automatic or manual
Voltage: 220V-240V/50-60 Hz
Scale resolution: ± 10 g
Oil scale resolution: ± 5 g
Operating temp. range: 11/49 °C
Filter system: 2 filters for humidity and acidity
Vacuum pump: Capacity 4.3 m³/h, 0.1 mbar vacuum
Compressor: 12 cc, hermetic, high pressure
Recovery speed: Max 300 g/min in liquid phase
Refrigerant bottle: 10 kg, rechargeable
Hoses: 3 meters
Dimensions: 50 x 50 x 115 cm
Weight: 90 kg
A patented diagnostics system for determining the causes of malfunctions in any A/C system through analysis of pressures and temperatures.

**TYPES OF REFRIGERANT** R134a and R12

**TYPES OF SYSTEMS** Traditional, flooded, and continual cut-in flooded systems.

**2 MINUTES** for results.

**DIAGNOSIS PRINTOUT** complete with data, graphs, and solution of technical problems.

**EXAMPLES OF DIAGNOSIS**
- No refrigerant in system
- Defroster pressure switch
- Clogged intake line
- Refrigerant low
- Capillary valve
- Clogged condenser or hose
- Air flow to evaporator
- System OK
- Excess refrigerant
- Incorrect condenser airflow
- Air in system
- Check mixing door
- High and low pressures inverted
- Pulley does not engage
- Replace compressor

**SOFTWARE UPDATES** via Internet, through RS232 serial line.

**SHERLOCK 2000**

**Type of refrigerant** R12 and R134a
**Voltage** 12V (automobile battery)
**Hoses** 1.5 meters
**Instrument dimensions** 350 x 160 x 120 mm
**Instrument weight** 1.5 kg
**Case dimensions** 480 x 370 x 180 mm
**Full case weight** 3 kg

**SHERLOCK PC**

PC INTERFACE with the special “Sherlock PC” program.

**DATA REPORT**
**COLOR GRAPHS**
**DIAGNOSIS REPORT**
**COLOR PRINT OPTION**
A patented diagnostics system for any A/C system, now available in the COMBI version with built-in refrigerant identifier.

**A/C DIAGNOSIS:**

**TYPES OF SYSTEMS** Traditional, flooded, and continual cut-in flooded systems.

2 MINUTES for results.

**DIAGNOSIS PRINTOUT** complete with data, graphs, and solution for the problem.

**SOFTWARE UPDATES** via Internet, through RS232 serial line.

**PC INTERFACE** with the special “Sherlock PC” program, for saving diagnostic results and creating diagnostics database.

ENGINEERED to comply with SAE 1771.

COMPACT size.

FILTER, external, to protect the analysis system (changes color in contact with oil).

FAST and ACCURATE analysis.

**SHERLOCK 2000 COMBI**

- Refrigerant analyzer: R134a, R12, R22, HC Air
- Type of refrigerant: R12 and R134a
- Voltage: 12V (automobile battery)
- Hoses: 1.5 meters
- Instrument dimensions: 350 x 160 x 120 mm
- Instrument weight: 1.5 kg
- Case dimensions: 480 x 370 x 180 mm
- Full case weight: 3 kg

**ANALYZER:**

**REFRIGERANT IDENTIFICATION** percentage of R134a, R12, R22, HC, Air

**REFRIGERANT CLASSIFICATION**
- Recoverable
- Contaminated
- Inflammable

**COMPRRESSOR PRESSURE SWITCH SENSOR** (FLOODED SYSTEMS)

**RS232 SERIAL PORT**

**POWER**

**LOW PRESSURE**

**OPTIONAL TEMPERATURE SENSORS**

**AIR DELIVERY TEMPERATURE SENSOR**

**ANALYZER FILTER**

**CODE** XS200.000000
LEAK DETECTION PRODUCTS

KITS

**POWER LITE – Leak detector kit for A/C circuits**, including: 12V UV leak finder lamp, safety enhanced goggles, 12 bottles (7.4 ml each) of universal fluorescent dye, dye injection connectors for R12 and R134a, MSDS and instructions.

**AEK 103-2**

**AEK145-3**

COBRA KIT GUN - Leak detector kit for A/C circuits, including: Cobra LED lamp, safety enhanced goggles, A/C Detective gun, 1 bottle dye for 64 applications, R134a dye injector, R12 adapter, purge connector, MSDS and instructions, 1 bottle (120 ml) dye detergent liquid.

**AEK145-4**

COBRA KIT BOTTLES - Leak detector kit for A/C circuits, including: Cobra LED lamp, safety enhanced goggles, 6 bottles (7.4 ml each) of universal fluorescent dye, R134a dye injector, R12 dye injector, MSDS and instructions, 1 bottle (120 ml) dye detergent liquid.

**AEK145-5**

COBRA KIT CANS - Leak detector kit for A/C circuits, including: Cobra LED lamp, safety enhanced goggles, 2 rapid-application single-use capsules of dye for R134a, single-use capsule dye injector, MSDS and instructions, 1 bottle (120 ml) dye detergent liquid.
LEAK DETECTION PRODUCTS

CONSUMABLES

**AEK126**

237-cc bottle of universal dye, suitable for filling the dye tank on machines equipped with this option.

**AEK131**

6 single-use rapid-application capsules of dye for R134a.

**AEK133**

Box of 12 bottles (7.4 ml each) of universal fluorescent dye.
LEAK DETECTION PRODUCTS
ACCESSORIES

**AEK107**
Electronic LEAK DETECTOR

**AEK140**
12V UV leak detector LAMP with safety enhanced goggles.

**AEK145**
UV COBRA LEAK detector LAMP with safety enhanced goggles.

**AEK146**
DYE INJECTION GUN, 1 bottle of universal dye (64 applications), hose and connection for R134a, R12 adapter, air purge connector.
LEAK DETECTION PRODUCTS
ACCESSORIES

**AEK150**
POWER LITE TRUCK battery-operated lamp with protective enhanced goggles (batteries not included).

**AEK151**
Rechargeable battery for POWER LITE TRUCK

**AEK152**
Battery charger for POWER LITE TRUCK battery.

**AEK161**
Dye detergent LIQUID. (120 ml) (DYE CLEANER)
<table>
<thead>
<tr>
<th><strong>A/C ACCESSORIES</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AEK102</strong>&lt;br&gt;Standard washing kit for retrofit operations.</td>
</tr>
<tr>
<td><strong>AEK115</strong>&lt;br&gt;Pair of 10-cm terminal hoses for R12.</td>
</tr>
<tr>
<td><strong>AEK102C</strong>&lt;br&gt;Washing kit complete with adapters for retrofit (AEK 180).</td>
</tr>
<tr>
<td><strong>AEK116</strong>&lt;br&gt;Reducer fitting for bottle.</td>
</tr>
<tr>
<td><strong>AEK102D</strong>&lt;br&gt;Washing kit complete with adapters for retrofit (AEK 180) and O-ring kit (AEK 185).</td>
</tr>
<tr>
<td><strong>AEK117</strong>&lt;br&gt;Valve-extractor screwdriver.</td>
</tr>
<tr>
<td><strong>AEK112</strong>&lt;br&gt;Special adapter for Volvo vehicles.</td>
</tr>
<tr>
<td><strong>AEK118</strong>&lt;br&gt;Fin comb.</td>
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<tr>
<td><strong>AEK113</strong>&lt;br&gt;Special adapter for Audi and other vehicles.</td>
</tr>
<tr>
<td><strong>AEK119</strong>&lt;br&gt;Digital thermometer/hygrometer.</td>
</tr>
<tr>
<td><strong>AEK114</strong>&lt;br&gt;Pair of retrofit adapters.</td>
</tr>
<tr>
<td><strong>AEK120-E</strong>&lt;br&gt;Digital thermometer.</td>
</tr>
</tbody>
</table>
# A/C ACCESSORIES

| **AEK125** Castrol Icematic Retro A/C oil (250 cc). |
| **AEK134** High-pressure quick-connect coupling with valve extractor. |
| **AEK129** R134 tracer injector nozzle, for gun. |
| **AEK135** Low-pressure quick-connect coupling with valve extractor. |
| **AEK130A** R12 tracer injector nozzle, for gun. |
| **AEK136** High-pressure quick-connect coupling with valve extractor, with side adapter. |
| **AEK132** Dye injector for single-use capsules. |
| **AEK137** Low-pressure quick-connect coupling with valve extractor, with side adapter. |
| **AEKR12** Adapter for injecting R12 dye with R/R device. |
| **AEK141** 14 mm air purge adapter for R134a. |
| **AEKR134A** Adapter for injecting R134a dye with R/R device. |
| **AEK142** High-pressure quick-connect coupling for R134a, with air purge button. |
### A/C ACCESSORIES

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>AEK143</td>
<td>Low pressure quick-connect coupling for R134a, with air purge button.</td>
</tr>
<tr>
<td>AEK160</td>
<td>Deodorant spray. (AIR FRESH)</td>
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<tr>
<td>AEK162</td>
<td>Bactericide. (FRESH &amp; CLEAN)</td>
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<tr>
<td>AEK170</td>
<td>Pressure gauge group for R134a.</td>
</tr>
<tr>
<td>AEK180</td>
<td>Retrofit adapters kit.</td>
</tr>
<tr>
<td>AEK185</td>
<td>O-ring kit.</td>
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</table>
## FUNCTIONS TABLE

<table>
<thead>
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<th>Recovery</th>
<th>Oil discharge</th>
<th>Vacuum</th>
<th>Tracer</th>
<th>Oil reintegration</th>
<th>Refrigerant charging</th>
<th>Refrigerant analysis</th>
<th>A/C diagnosis</th>
<th>Air bleeding</th>
<th>Self-diagnosis</th>
<th>Leak test</th>
<th>Bottle alarms</th>
<th>Printer</th>
<th>Updates via serial connection</th>
<th>Service alarm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ECK EL</strong></td>
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</tr>
</tbody>
</table>

**A** AUTOMATIC

**M** MANUAL

**X** STANDARD EQUIPMENT

— NOT AVAILABLE

* OPTIONAL