Innovative Solutions for Automotive Air-Conditioning Systems

Product Catalogue



Engineering for Reliability

ELCI Elektronik Klima is an engineering company that has been designing and producing automotive air conditioning service technologies since 2003. In 2026, we expanded our production facility, increasing our total indoor production area to 5,750 m^2 and significantly enhancing our production capacity.

Since our inception, we have concentrated on the on-site requirements of professional service centres, creating solutions that provide high performance, precision, durability, and user-friendliness. Our products are designed not only to address current service processes but also to adapt to advancing refrigerant technologies, interconnected systems, and future maintenance needs.

We oversee research and development, software, production, testing, and quality control processes with a comprehensive approach; we manufacture durable equipment featuring robust steel-frame construction, intuitive interfaces, and upgradeable technologies.

Today, ELCI provides not only equipment but also sustainable performance, readily available technical support, and advanced service technology for the future.

TRUST IS THE INHERENT OUTCOME OF A WELL-STRUCTURED SYSTEM.

Excellence at Every Stage

ELCI products are supported by an integrated manufacturing approach covering design, electronics, software development, mechanical production, assembly and testing. For us, manufacturing a product is not enough; we must also ensure that it operates reliably for many years.

From durable metal enclosures and accurate sensor and weighing systems to rapid processing infrastructure and intuitive interfaces, we meticulously consider every detail with practical application conditions in mind. We consistently enhance our production infrastructure, fortify our testing processes, and subject our products to functional, electrical, and operational evaluations before they are put into service.

In professional service equipment, performance is not solely determined by technical specifications. The true value of a product resides in its capacity to operate reliably when required, as well as the robust support that accompanies it.

At ELCI, we remain committed to supporting our customers long after the sale of our products. We assist service centers in maintaining uninterrupted operations by offering technical support, user training, maintenance services, software updates, and spare parts support.

Our service framework, which facilitates direct access to the team responsible for developing and manufacturing our products, allows us to comprehend issues more swiftly and deliver appropriate solutions as quickly as possible.

For us, a quality product transcends mere functionality. It is a product that instills confidence over the years, providing the assurance of a supportive team whenever it is needed.

Professional Air Conditioning Service Station

MAX3

High-capacity, high-precision, fully automatic air-conditioning service.





10-inch IPS Touch Display

Efficiently manage operations with clarity and user-friendliness, facilitated by its expansive screen size and intuitive interface.



Wi-Fi Updates and Email Reporting

Software and vehicle databases can be updated online and service reports can be sent by email.



Comprehensive Vehicle Database

Refrigerant and service information for various vehicle models is retained in the device's memory.



Electronic scale with an accuracy of ±5 g.

High-precision sensors guarantee accurate and dependable refrigerant charging.



Fully Automatic Process Control

The unit automatically carries out the selected service operations in sequence.



Automatic Leak Detection and Air Purging

It swiftly identifies leaks and autonomously expels non-condensable gases as required.



Robust, User-Friendly, and Practical Design

The steel casing guarantees prolonged usability, exceptional durability, and optimal resistance to challenging service conditions. The 360-degree rotating screen and wheel configuration facilitate user convenience.

High-Efficiency Refrigerant Recovery

Its advanced recovery system reduces service time and enhances efficiency.

Oil Filtration and Recovery

A specialised oil separator and filter system removes oil and contaminants from the recovered refrigerant, allowing it to be reused.

Maintenance Tracking and Statistical Analysis Menu

Filter life tracking, maintenance notifications, and statistics enhance operational management.

Hybrid Oil and UV Dye Injection

Integrated UV oil addition system for hybrid oil and leak detection, essential for the next generation of hybrid vehicles.

CE



TECHNICAL SPECIFICATIONS

Compressor	3/8 hp, 12 cc, piston type
Vacuum pump	10.2 m^3/h (128 L/min)
Low-pressure gauge	15 bar (80 mm)
High-pressure gauge	30 bar (80 mm)
Weighing accuracy	± 5g
Screen	10" IPS Touchscreen
Refrigerant tank capacity	25 kg
Refrigerant recovery rate	450 g/min
Compatible refrigerants	R134a - R1234yf
Hose lengths	300 cm
Refrigerant purification filter capacity	150 kg
Operating temperature	8 - 49°C
Dimensions	58cm x 61cm x 134cm
Weight	114 kg
Package dimensions	77cm x 72cm x 131cm

PRODUCT LINE

MAX 3



High-capacity, fully automated professional air conditioning service station designed to operate with R134a or R1234yf.

MAX 3 HYBRID MULTI



Multi-refrigerant version that enables precise and controlled charging of a second refrigerant into the vehicle using an external cylinder and electronic scale.

MAX 3 PRO



The most comprehensive and premium iteration of the MAX 3 family, integrating all advanced features, including a refrigerant identification system and hybrid oil filling.

Professional Air Conditioning Service Station

ECO3S

With its advanced software, optimized hardware, and intuitive interface, it is engineered to execute air conditioning service operations swiftly, safely, and efficiently.
With its streamlined design and professional capabilities, it serves as a robust solution for service applications.

5-inch TFT HMI Touchscreen

A multilingual user interface for easy control and monitoring of all operations.

Wi-Fi Updates and Email Reporting

Software and vehicle databases are updated online, and transaction reports can be disseminated via email.

Comprehensive Automotive Vehicle Database

Refrigerant and service information for various vehicle models is retained in the device's memory.

Electronic scale with an accuracy of ±5 g.

High-precision sensors guarantee accurate and dependable refrigerant charging.

Automatic Process Control

It executes the specified operations in a sequential manner.

Leak Detection and Automatic Air Venting

It swiftly identifies leaks and autonomously expels non-condensable gases as required.



Efficient Refrigerant Recovery

Its advanced recovery system reduces service time and enhances efficiency.



Robust, User-Friendly, and Practical Design

The steel casing design guarantees longevity, exceptional durability, and optimal resistance to challenging service conditions.

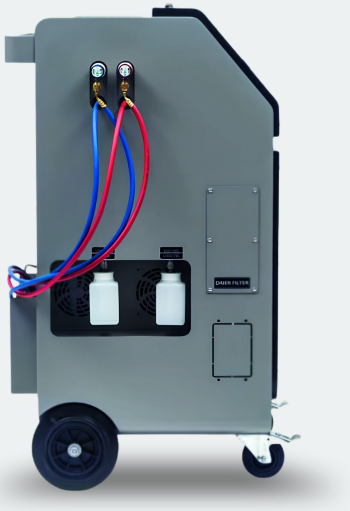
Maintenance Tracking and Statistical Analysis Menu

Filter life tracking, maintenance notifications, and statistics enhance operational management.

CE



ECO 3S



Automatic air conditioning service station designed for operation with R134a or R1234yf.

TECHNICAL SPECIFICATIONS	
Compressor	3/8 hp, 12 cc, hermetic type
Vacuum pump	6 m^3/h = 100 L/min
Low-pressure gauge	15 bar (63 mm)
High-pressure gauge	30 bar (63 mm)
Weighing accuracy	± 5g
Screen	5" TFT HMI touchscreen
Refrigerant tank capacity	12 kg
Refrigerant recovery efficiency	450 g/minute
Compatible refrigerants	R134a - R1234yf
Hose lengths	300 cm
Refrigerant purification filter capacity	150 kg
Operating temperature	8 - 49°C
Dimensions	111cm x 58cm x 61cm
Weight	98 kg
Package dimensions	117cm x 65cm x 69cm

ECO 3S MULTI



A multi-refrigerant variant designed for versatile service and accurate charging with various refrigerants, facilitated by its external hoses and electronic weighing system.

Professional Air Conditioning Service Center

PLUS3



5-inch TFT HMI Touchscreen

A user interface featuring a Multilingual menu that facilitates the seamless management and monitoring of all operations.

Online Updates and Email Reporting

Software and vehicle databases are updated through Wi-Fi, and service reports can be dispatched to your email address.

Extensive Automotive Database

The required refrigerant and compressor oil specifications, along with technical data for various vehicle models, are accessible.





Electronic scale with an accuracy of ±5 g.

High-precision scales and sensors guarantee faccurate and reliable refrigerant charging.

Automatic Process Control

The system executes the specified and programmed operations in a sequential manner. Its advanced refrigerant recovery technology markedly reduces service time.

High Precision

Vacuum, pressure, and temperature sensors guarantee optimal performance and user safety.

12 V Mobile Operation

With the optional 1,000 W inverter, the station can be operated from a 12 V vehicle battery where a 220–230 V AC supply is unavailable. Power may be sourced from the vehicle's battery.

Oil Refining and Refrigerant Reclamation

A specialized oil separator and filtration system removes oil, acid, moisture, and particulates from the recovered non-condensable gases, facilitating its reuse.

Intelligent Maintenance Monitoring and Analytics Menu

The filter life and maintenance tracking system oversees and issues alerts concerning the maintenance schedule for the vacuum pump and compressor. The statistics menu presents total filling, recovery, and vacuuming durations.

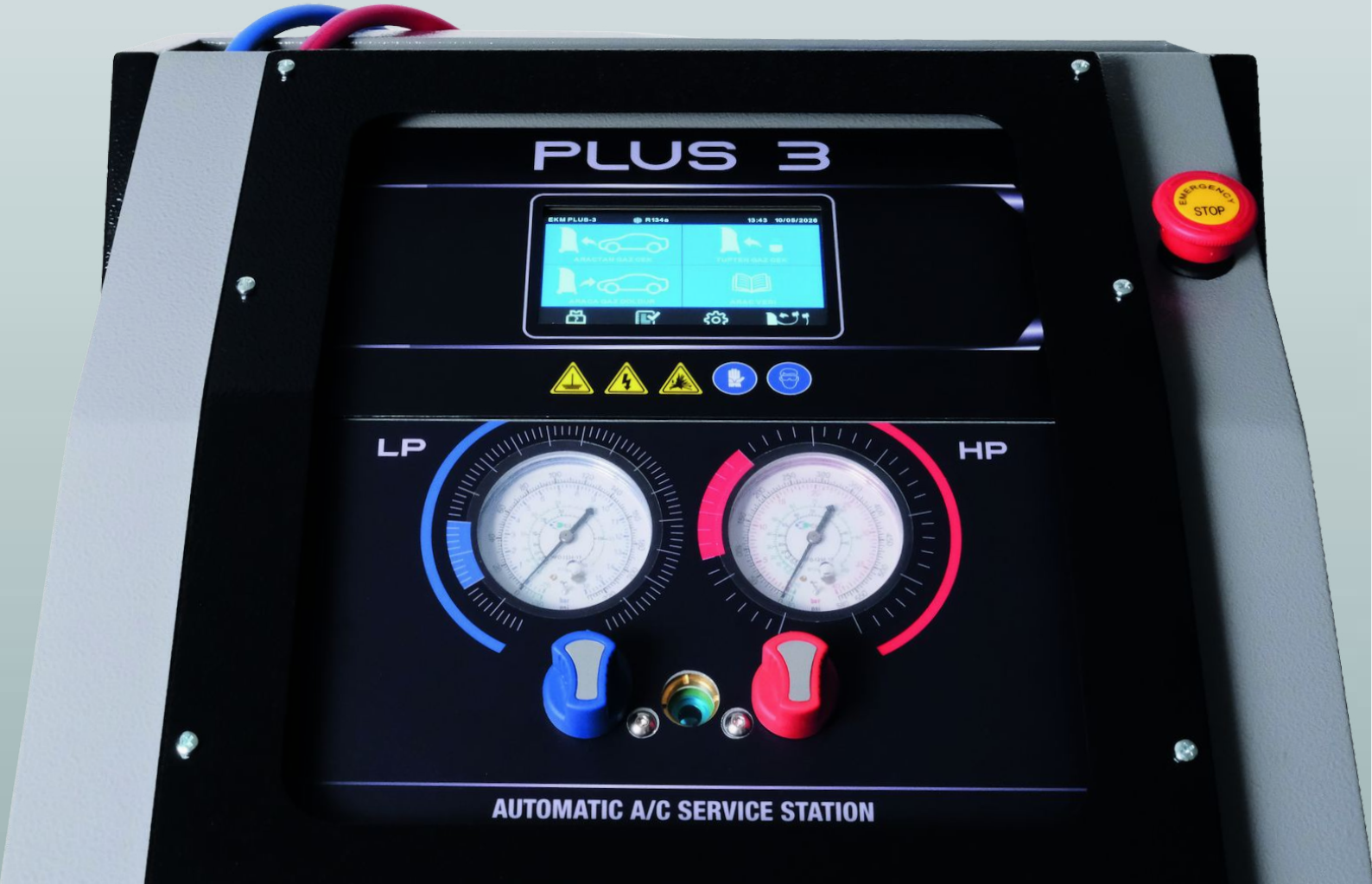
Leak Management and Automatic Air Venting

Automatic leak detection offers both audible and visual alerts. The automatic air venting system guarantees safe and efficient operation by expelling non-condensable Refrigerants from the system as required.

PLUS3

TECHNICAL SPECIFICATIONS	
Compressor	1/4 hp
Vacuum pump	3 m^3/h (51 L/min)
Low-pressure gauge	15 bar (63 mm)
High-pressure gauge	30 bar (63 mm)
Electronic scale accuracy	± 5g
Screen	5" TFT HMI Touchscreen
Refrigerant storage tank	12 kg
Refrigerant recovery efficiency	300 g/min
Compatible refrigerants	R134a - R1234yf
Hose lengths	300 cm
Refrigerant purification filter capacity	100 kg
Operating temperature	8 - 49°C
Dimensions	49cm x 53cm x 94cm
Weight	74 kg
Package dimensions	72cm x 74cm x 109cm

OPTIONAL FEATURES	
PRINTER	**INVERTER**
71.3 mm x 44.8 mm Thermal	220V AC
--	1000W 12V DC



FULLY AUTOMATIC R744 AIR-CONDITIONING SERVICE STATION

R744

This is a fully automated air conditioning service station engineered for systems using R744 (CO_2) gas. With its elevated safety standards, precise control mechanisms, and robust performance, it provides professional solutions, particularly for next-generation vehicles and commercial applications.

R744 (CO2) COMPLIANT
The unit is specifically engineered for R744 (CO_2) systems.

HIGH PRECISION
Dependable performance ensured by precise sensors and electronic scales.

SAFETY IS PARAMOUNT
Maximum safety is ensured through a four-stage pressure protection system.

ONLINE UPDATES
Vehicle database and software updates are conducted through Wi-Fi.

EMAIL REPORTING
A report detailing the completed actions will be dispatched via email.

VEHICLE DATABASE
Prompt and precise service utilizing current vehicle information.

AUTOMATIC OIL MANAGEMENT
Automatic recovery of used oil and injection of new oil.

MAINTENANCE MONITORING SYSTEM
Maintenance alerts for the filter, vacuum pump, and compressor.

AUTOMATED OPERATIONS
All programmed operations are carried out automatically.

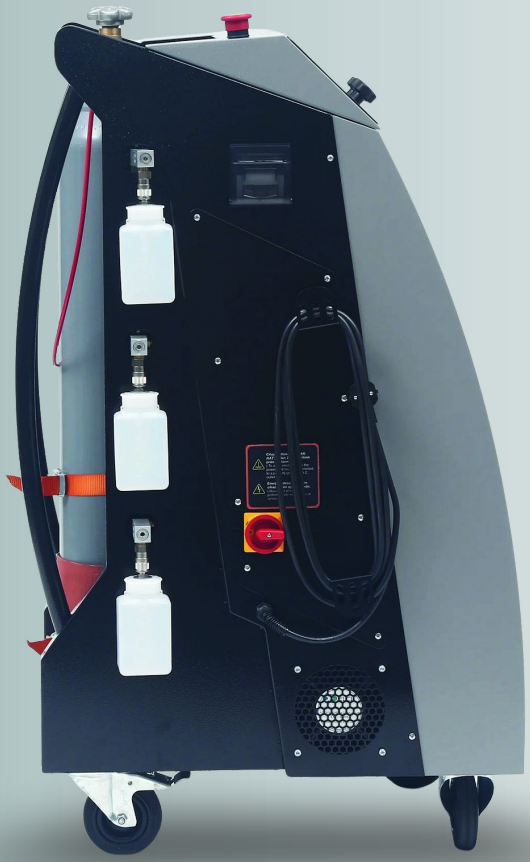
AUTOMATED LEAK DETECTION
Leak detection employing an audible and visual alert system.



TEMPERATURE-CONTROLLED GAS CHARGING SYSTEM
Rapid and consistent filling facilitated by the automated gas heating system.

GAS PURIFIER FILTER
It efficiently removes acids, moisture, and particulates from the gas.

CE



Safe, accurate and fully automatic servicing of R744 systems.

Be prepared for the next generation of CO_2 service technology.
Precise control under high operating pressures.
Next-generation R744 service technology.
Dependable Solutions in Professional CO_2 Air Conditioning Services.

TECHNICAL SPECIFICATIONS	
Vacuum pump	10.2 m^3/h (128 L/min)
Low-pressure gauge	80 bar (80 mm)
High-pressure gauge	160 bar (80 mm)
Electronic scale precision	± 5g
Screen	5" IPS Touchscreen
Compatible gas	R744
Hose lengths	180 cm
Operating temperature	8 - 49°C
Dimensions	61cm x 49cm x 93cm
Weight	69 kg
Package dimensions	69cm x 54cm x 107cm



Heater Core Flushing Machine

RTC 3S

RTC 3S efficiently removes limescale, rust, sediment, and grease accumulation in radiators and heater cores, thereby restoring optimal heating and cooling efficiency. Its microprocessor-controlled design and automated features guarantee swift, dependable, and professional cleaning.

EFFICIENT CLEANING
It purges the radiator, engine block, coolant passages, and all components involved in water circulation.

INTELLIGENT MANAGEMENT
The microprocessor, 5-inch TFT HMI screen, and automated monitoring systems offer comprehensive and effortless control.

AUTOMATED FUNCTIONS
Heating, filter lifespan monitoring, alerts for full tank and low water levels.

HIGH-PERFORMANCE CLEANING
Efficient cleaning utilizing a 2500-watt heater and a 1 HP high-efficiency water pump.

MONITORING AND REPORTING
Washing time monitoring, statistics dashboard, and report dispatch functionality.

BLOCKAGE ALERT
A pressure gauge helps detect and monitor restrictions in the radiator and cooling circuit.

EASY FLOW REVERSAL
Easily reverse the direction of coolant flow using the four-way valve.

FILTER SYSTEM
Eliminating dirt, grime, and other particles extracted from the vehicle.



CE

TECHNICAL SPECIFICATIONS	
Water pump	1 HP 95 L/min
Tank capacity	15 L
Screen	5" IPS Touchscreen
Heating power	2500 Watts
Electronic scale accuracy	± 5g
Hose lengths	250 cm
Operating temperature	8-49°C
Dimensions	55cm x 52cm x 105cm
Weight	55 kg
Package dimensions	61cm x 58cm x 111cm

FLUSH CLEAN



It effectively removes limescale, rust, sludge and sediment deposits from all heating systems without harming delicate metals. Additionally, it inhibits corrosion, degradation, and cracking of existing metal and plastic components.

Thanks to the protective inhibitors in its enhanced formula, it does not adversely affect the metal and rubber components of the system. This high-quality, reliable product effectively removes blockages in the heater core radiators of all vehicles, restoring both heating and cooling capabilities.

Dilute 500 ml of the cleaning solution with 8–10 litres of water and use it with a suitable cooling-system flushing machine.



NITROGEN–HYDROGEN LEAK TESTING DEVICE

HYDRO TRACE PRO ATC

Hydro Trace Pro ATC monitors pressure differentials in systems pressurized with test gas to detect leaks. Compatible with our test gas, this device provides a swift, dependable, and professional testing solution.



PRECISION ASSESSMENT
It identifies leaks by meticulously monitoring pressure drop.

ADJUSTABLE TEST LENGTH
Flexible selection of test duration
Adjustable from 5 to 90 minutes.

AUDIO, VISUAL, AND DISPLAY NOTIFICATIONS
The test result is displayed on the screen accompanied by an audible alert and a visual warning.

USER-FRIENDLY
Streamlined design and intuitive interface for enhanced usability.

MONITORING AND REPORTING
Test duration monitoring, statistics interface, and report dispatch functionality.

SAVED CONFIGURATIONS
Test duration, language, and counter data are stored on the device.

EASY MOBILITY
Effortless mobility facilitated by the adjustable wheel system.

PRECISE LEAK DETECTION AND ECO-FRIENDLY SERVİCE
Our forming gas, consisting of 95% nitrogen and 5% hydrogen, facilitates the accurate detection of minor leaks. It enables leak testing without releasing refrigerant into the system, providing a safer, more controlled, and environmentally sustainable service process.

CE

PRO ATC

With HYDRO TRACE PRO ATC

leaks in pressurised systems can be detected quickly and reliably.
Featuring an adjustable test duration, a clear display, and a robust alert system, it is essential for professional service providers.

APPLICATIONS:

Automotive air conditioning systems

- Domestic, split and compact air-conditioning systems
- Commercial and industrial HVAC systems
- Extended piping and high-capacity systems
- Pressure testing applications

TECHNICAL SPECIFICATIONS	
Tank capacity	20 L
Screen	0.96" OLED
Hose length	300 cm
Operating temperature	8-49°C
Test pressure	20 Bar (±3)
Dimensions	42cm x119cm x 90cm
Weight	55 kg
Package dimensions	50cm x 130cm x 111cm



Portable Air-Conditioning Refrigerant Charging Unit

OGD

The OGD is a compact and portable device engineered to execute refrigerant charging operations swiftly, safely, and with precision.





- Microprocessor-controlled.
- User-friendly control panel.
- Electronic weighing system with an accuracy of ± 5 grams.
- Displays the amount of refrigerant in the tank.
- Real-time monitoring of the charged refrigerant quantity.
- Automatic monitoring of programmed operations.
- Leak detection.
- New oil injection.
- Rapid refrigerant charging.
- The statistics menu presents the transaction amounts and refrigerant levels.
- Capability to exhibit pressure and vacuum measurements.
- Practical, portable, and lightweight construction.
- An intuitive and accessible control panel.
- Efficient and secure refrigerant refueling.
- A compact, lightweight, and portable design complemented by practical features.
- Leak detection and automated safeguarding.

TECHNICAL SPECIFICATIONS	
Vacuum pump	3 m^3/hour (51 l/minute)
Low-pressure gauge	15 bar (63 mm)
High-pressure gauge	30 bar (63 mm)
Electronic scale precision	± 5 gr
Screen	2X16 Character LCD
Compatible refrigerants	R134a-R1234yf-R12-R404
Hose lengths	180 cm
Operating temperature,	8-49°C
Dimensions	25cm x 50cm x 57cm
Weight	14 kg
Package dimensions.	30cm x 55cm x 63cm



CE

Ozone Generator

OZONE 10G/20G

This practical and effective solution enables natural disinfection, odor elimination, and air purification without the need for chemicals. Ozone interacts with airborne molecules, aiding in the removal of elements responsible for unpleasant odors and fostering a more hygienic atmosphere in enclosed spaces.



APPLICATIONS:

- Appropriate for all indoor applications.
- Motor vehicles, including automobiles, vans, and buses
- Residences and offices
- Agricultural enterprises
- Livestock operations
- Hospitals, educational institutions, marketplaces, and retail establishments

Operate only in unoccupied areas, away from people and animals.

TECHNICAL SPECIFICATIONS	
Time Adjustment Feature	10-20-30-60-120 min
Service Life	5000 Hours
Ozone Capacity	10000 mg
Voltage	220V
Screen	128x64 0.96" OLED
Operating Temperature	8-49°C
Dimensions	19cm x 26cm x 19cm
Weight	2.9 kg
Package Dimensions	23cm x 24cm x 37cm



CE

Portable Refrigerant Identifier

ELC-ID

Instantly and accurately identify refrigerants in vehicles with the ELC-ID Portable Refrigerant Identifier.
This compact device is engineered for the seamless identification of R134a and R1234yf refrigerants in vehicles or cylinders, serving as an essential tool for automotive professionals.



WI-FI UPDATES AND REPORTING
Software updates can be downloaded via Wi-Fi, and analysis reports can be sent by email.

ACCURATE IDENTIFICATION
Utilizing advanced technology, it precisely identifies R134a or R1234yf refrigerants, allowing for prompt and dependable decision-making.

ECO-FRIENDLY
It transmits analysis results directly through email. It minimizes waste by removing the necessity for paper. An optional version with a printer is available for order.

ADAPTABLE COMPATIBILITY
It is compatible with both 12V and 24V systems. It draws power directly from the vehicle's battery, thereby eliminating the necessity for an external power source.

ROBUST METALLIC CASING
Exceptionally resilient to impacts, falls, and adverse conditions. Convenient and secure bag featuring an integrated hook.

ELECTRICAL PROTECTION
With safeguards against reverse-polarity protection, you can maintain peace of mind.

OPTIONAL THERMAL PRINTER
It facilitates the rapid printing of analysis results and the efficient archiving of service records.



ELC-ID

Rapid and precise identification of R134a and R1234yf



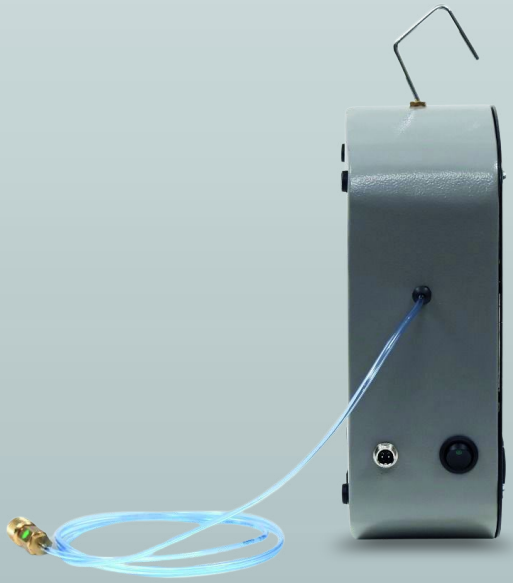
COMPLETE PACKAGE

The ELC-ID is provided in a durable and shock-resistant carrying case, equipped with all essential accessories for immediate use.



BAG CONTENTS:

- Quick-connect adapters for R134a and R1234yf.
- 12–24 V power cord
- Sampling hose with oil restrictor
- Bag dimensions: 37 x 14 x 44 cm
- Weight of the set, including the bag: 5.2 kg



TECHNICAL SPECIFICATIONS	
Refrigerant Type	R134a – R1234yf
Connection	USB 3.0 / RS232 Serial Port
Result Unit	% (Percentage)
Operating Pressure	22 psi / 1.5 bar – 174 psi / 12 bar
Sample Amount	<5 g/test
Operating Temperature	10–49 °C
Sensor Type	NDIR – Infrared
Test Duration	2 minutes 20 seconds
Test Result Storage	5 Tests
Dimensions	10 × 22 × 28 cm
Weight	3 kg
Package Dimensions	14 × 37 × 44 cm

CE

Smoke Leak Detection System
DKT 203

The test fluid, specifically formulated for automotive smoke test devices, generates clean, high-density smoke, yielding rapid results. DKT 203 is engineered to conduct dependable leak testing in EVAP, vacuum, fuel, intake, exhaust, turbo, and supercharger systems.



OPERATING PRINCIPLE

The DKT 203 generates smoke via controlled heating in a low-oxygen environment. The heating element rapidly attains temperatures exceeding 300°C to ignite the specialized mineral oil, thereby producing the dense smoke required for testing.

DIVERSE APPLICATIONS

The unit can be used to test EVAP, vacuum, fuel, intake, exhaust, turbocharger and supercharger systems.

COMPACT AND PORTABLE

Weighing just 1.7 kg, its compact design allows for effortless transportation within the service vehicle.

HIGH-DENSITY SMOKE OUTPUT

It generates clean, dense smoke utilizing a specialized test fluid.

USER-FRIENDLY

Its efficient design facilitates rapid and precise testing.



HOW TO CONDUCT A LEAK TEST?

1. Fill the apparatus with 20 ml of test oil.
2. Alsolate the system to be tested and connect the appropriate adapter.
3. Attach the device to the vehicle's battery.
4. After the system has been filled with smoke, inspect for leaks. Utilize a flashlight to enhance visibility if needed.

DKT 203

TECHNICAL SPECIFICATIONS	
Power Supply	12V DC
Test-fluid capacity	0 - 20 ml
Output pressure	> 15 psi
Flow rate	< 6 L/min
Rated power	65W
Dimensions	12cm x 16cm x 22cm
Weight	1,7 kg
Package Dimensions	21cm x 23cm x 25cm



SMOKE TEST FLUID – 250 ML

- It assists in identifying minor and elusive leaks.
- It generates thick and premium smoke.
- Constructed with automotive-grade components.
- It is compatible with a range of brands of smoke testing machines.
- Suitable for leak detection in EVAP, vacuum, fuel, intake, exhaust and turbocharger systems.
- Designed for professional service applications.



AIR CONDITIONING SERVICE SOLUTIONS

Designed to address the daily requirements of professional air conditioning service providers, ELCI service products encompass a comprehensive array of offerings, including connection equipment, leak detection solutions, hose systems, and oil and maintenance products.

TRUSTWORTHY
Premium materials and durability.

HIGH PERFORMANCE
Efficient execution in professional service processes.

COMPREHENSIVE PRODUCT RANGE
Solutions for varied service requirements.

ELCI EXCELLENCE
Products designed for professional application.

TRUST. EFFICIENCY. INNOVATION.

CONNECTION AND SERVICE ADAPTERS

R134a Quick Coupler

It offers a secure and efficient service connection for vehicle air conditioning systems utilizing R134a. Its construction is chrome-plated, durable, and designed for longevity.



Product Code: **Red: ELC-C18K**
Blue: ELC-C19M

R1234yf Quick Coupler

This quick-connect adapter is specifically designed for vehicle air conditioning systems utilizing R1234yf. It guarantees safe and efficient refrigerant refilling.



Product Code: **Red: ELC-C131K**
Blue: ELC-C131M

A/C Valve Core Replacement Tool – No Refrigerant Recovery Required

It facilitates the swift and straightforward replacement of leaking air conditioning valves without recovering the refrigerant from the system.



Product Code: **ELC-A56**

Low-High Pressure Port — Opel

It is utilized to establish a service connection in vehicles equipped with the relevant Opel low-/high-pressure service port



Product Code: **ELC-S64**

CONNECTION AND SERVICE ADAPTERS

Spring-Lock Coupling Tool Set

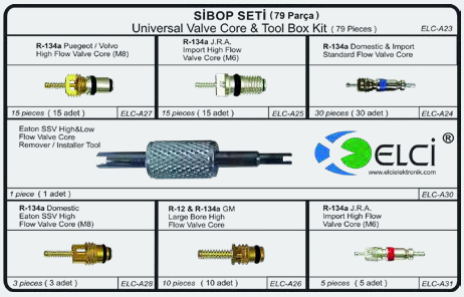
Facilitates the effortless disconnection of spring-type coupling connections in air conditioning lines. Minimizes the risk of damage to connection points during line disassembly.
It is compatible with the majority of Chrysler, Ford, and Vauxhall/Opel vehicles.



Product Code: **ELC-C978**

Universal Valve Assembly

This is a universal valve and valve core assembly intended for a range of service valves in automotive air conditioning systems.
Total of 79 pieces:
ELC-A24 — 30 units, ELC-A25 — 15 units, ELC-A26 — 10 units, ELC-A27 — 15 units, ELC-A28 — 3 units, ELC-A30 — 1 unit, ELC-A31 — 5 units.



Product Code: **ELC-A23**

Universal A/C Hose Repair Kit

It facilitates the rapid and cost-effective repair of damaged aluminum air conditioning pipes and hoses. Compatible with R134a and R1234yf systems, it provides safe, durable, and practical repair solutions for a variety of vehicle models, thanks to its straight and 90° fittings.



Product Code: **ELC-C707**

A/C Hose Crimping Kit

This portable hose crimping set is designed for the servicing and installation of general air conditioning hoses.
8-piece set. Dimensions:
5/16" · 13/32" · 1/2" · 5/8"



Product Code: **ELC-S17**

LEAK DETECTION SOLUTIONS

UV Leak Detection Kit

This is an extensive UV service kit designed for professional air conditioning leak detection.
The collection comprises:
2 x 100 ml UV leak-detection dye – sufficient for approximately 26 vehicles
Protective eyewear featuring a UV filter
395 nm wavelength
21-LED UV flashlight with neck strap

- UV liquid filling apparatus
- Connection hose
- R134a connector
- Durable carrying case



Product Code: **ELC-S08**

UV Flashlight featuring a 395 Nanometer Wavelength and 21 LEDs

This portable UV flashlight facilitates the identification of leak points highlighted with UV dye in air conditioning systems.
Number of LEDs: 21
Wavelength: 395 nm
Dimensions: 45 × 28 × 107 mm
Housing: Aluminum



Product Code: **ELC-S09**

UV Flashlight

This professional UV flashlight is designed for leak detection utilizing UV dye in automotive air conditioning systems. With a wavelength of 365 nm and a powerful 12 W UV light, it enhances visibility of UV-reactive paints and liquids, facilitating the swift identification of leak locations. Its rechargeable battery, lightweight yet durable aluminum housing, IP44 protection, and impact-resistant design render it ideal for rigorous service and field applications. The compact structure ensures practical and reliable functionality in air conditioning maintenance, leak detection, and various UV-based inspection tasks.



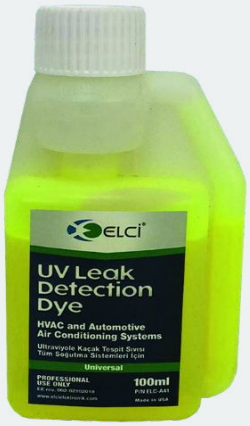


Product Code: **ELC-S12**

LEAK DETECTION SOLUTIONS

ELCI UV Leak Detection Dye – 100 ml

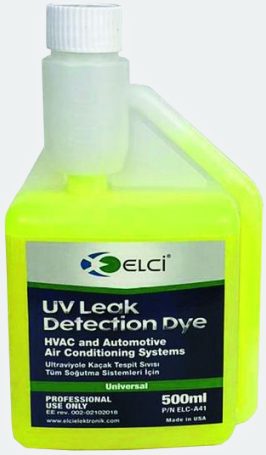
Due to its exceptional fluorescence properties, it facilitates the easy detection of leak points in air conditioning systems when exposed to UV light.
100 ml – sufficient for approximately 13 vehicles



Product Code: **ELC-A41**

ELCI UV Leak Detection Dye — 500 mL

This is a highly fluorescent UV leak detection fluid designed for professional and rigorous service applications.
500 ml – sufficient for approximately 65 vehicles



Product Code: **ELC-A62**

HVAC/R Seal Pro Leak Sealant

It assists in the repair of minor leaks in metal and elastomer components within automotive air conditioning systems.

- It reaches the leakage point during circulation within the system.
- Suitable for sealing micro-leaks up to approximately 300 microns.
- It is suitable for repairing leaks in rubber hoses, O-rings, and metallic components.
- It is compatible with R12, R134a, and R1234yf systems.



Product Code: **ELC-A15**

AIRCO Seal Pro 1 Leak Sealant

This professional-grade air conditioning leak sealant is compatible with R134a and R1234yf systems, effectively addressing micro-leaks in both metal and elastomeric components.
It provides an efficient remedy for cracks measuring up to 300 microns, thereby minimizing the necessity for component replacement and associated labor.



Product Code: **ELC-A73**

O-RINGS AND SERVICE KITS

HNBR O-Ring Collection

This comprehensive HNBR O-ring set is specifically designed for service and connection points within vehicle air conditioning systems.
265 pieces
18 varieties of air conditioning O-rings



Product Code: **ELC-C34-Y**

O-Ring and Washer Assortment

This service kit comprises O-rings accompanied by washers in various sizes, designed for air conditioning connections. It is ideal for renewing and maintaining leak-proof connections. Includes five O-rings in each available size.



Product Code: **ELC-C102**

OEM A/C Hose Gasket Assortment

This is a 25-piece OEM-type gasket set designed to provide leak-proof seals in air conditioning hose and pipe connections. Compatible with Mercedes, BMW, Audi, and Volkswagen vehicles, its dimensions render it practical and dependable for maintenance, hose replacement, and leak repair.



Product Code: **ELC-C975**

Ford O-Ring and Washer Assortment

This is a 20-piece O-ring set with washers, specifically designed for air conditioning connections in Ford and comparable vehicles. It serves to restore seals and prevent refrigerant leaks.



Product Code: **ELC-C478**

MAINTENANCE CHEMICALS AND OILS

Waterless Engine Cleaning Spray — 500 milliliters

This is a waterless engine cleaner designed to effectively clean modern vehicle engines without harming electronic components.
Its formula, designed for all surfaces, ensures practical application, a brief processing time, and antistatic protection post-cleaning. It imparts a clean and glossy finish to plastic surfaces within the engine compartment.



Product Code: **ELC-C652**

Brake Cleaner Spray — 500 milliliters

Engineered for the removal of oil, dirt, and brake dust from brake and clutch systems.
It effectively eliminates dirt and oil residues from brake pads, drums, and various mechanical components without compromising the surface integrity.



Product Code: **ELC-C651**

A/C System Flush Solvent

It assists in removing dirt, oil, and residue that accumulate in the pathways through which refrigerant and oil flow within the air conditioning system.
This is a volatile, solvent-based cleaning product designed for professional air conditioning service applications.
It assists in eliminating dirt and grease residue from the system.
Helps restore system efficiency and is recommended after compressor replacement or in the event of persistent contamination.



Product Code: **ELC-A70**

Vacuum Pump Oil 1L

It aids in minimizing friction among the moving components of the vacuum pump.
It diminishes the rate of fouling and clogging of the pump by helping to suspend contaminants and reduce deposits, while also offering protection against oxidation.



Product Code: **ELC-A09**

MAINTENANCE CHEMICALS AND OILS

PAO Air-Conditioning Oil – 1L

The cooling properties of PAO oil contribute to the reduction of thermal loads within the air conditioning system.
Operating Temperature: -45 °C to +240 °C. Moisture-resistant oil. Compatible with all oils and refrigerants. Highly resistant to moisture absorption air conditioning oil that enhances cooling efficiency.

- Compatible with commonly used compressor oils
- HCFC compatibility
- CFC compatibility
- HFC compatibility
- Compatibility with HFC mixtures
- Compatibility with HCFC blends
- Consistent viscosity at elevated temperatures.
- Secure and reliable utilization.



Product Code: **ELC-A47**

POE 100 — 1L for Hybrid and Electric Vehicles

This is a specialized POE compressor oil formulated for hybrid, start-stop, and electric vehicle air conditioning systems utilizing R134a and R1234yf refrigerants.
Contents: 1 L
Density: 0.961 g/cm^3
Kinematic Viscosity: 11 mm^2/s
Viscosity index: 100
Pour point: -27 °C
Minimum Flash Point: 265 °C
Solubility in water: Insoluble



Product Code: **ELC-A65**

PAG 46 HFO-1234yf Premium Compressor Oil – 1L

This compressor oil is formulated for air conditioning systems utilizing advanced refrigerants.
The oil provides effective compressor lubrication and wear protection in R1234yf air-conditioning systems.

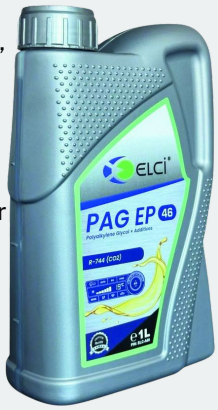


Product Code: **ELC-A55**

PAG EP46 R744 (CO_2) Compressor Oil, 1 Liter

This high-performance synthetic PAG compressor oil is specially formulated for R744 (CO_2) air-conditioning and refrigeration systems. It offers robust lubrication while preserving its stable composition under elevated temperatures and pressures, thereby minimizing friction and wear.
It provides dependable and enduring performance in contemporary automotive air

conditioning systems.

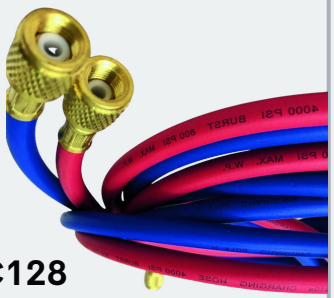


Product Code: **ELC-A60**

TYPES OF HOSES AND REFRIGERANTS

300 cm Hose Set (Blue and Red)

This is a 3-meter-long, high-pressure hose assembly featuring a 1/4" SAE connection, specifically designed for professional air conditioning service equipment. Its polyester braided reinforcement ensures resistance to high pressure, abrasion, and expansion. The assembly, comprising red and blue hoses, provides a secure and durable solution for intensive service applications.



Product Code: **ELC-C128**

500 cm Hose Set (Blue and Red)

This is a 5-meter-long, high-pressure hose assembly designed for professional air conditioning service equipment, Working pressure: 800 psi; burst pressure: 4,000 psi. Its polyester braided reinforcement, minimal expansion, and Teflon-sealed connections guarantee safe and durable performance, even under intensive service conditions.



Product Code: **ELC-C647**

HONEYWELL R1234yf Refrigerant

It is an HFO class refrigerant utilized in next-generation vehicle air conditioning systems, characterized by a low global warming potential. Developed as a substitute for R134a owing to its superior energy efficiency and minimal environmental impact, it is extensively employed in contemporary automotive air conditioning systems. It is classified as a mildly flammable refrigerant within the A2L category.



Product Code: **ELC-A17-2**

FINE R134A Refrigerant

R134a is an HFC refrigerant widely used in automotive air-conditioning and refrigeration systems. Its A1 safety classification (non-flammable under standard test conditions), stable operational characteristics, and comprehensive service infrastructure render them especially dependable for application in earlier generation vehicle air conditioning systems.



Product Code: **ELC-A79**

SERVICE AND MAINTENANCE PRODUCTS

Vacuum Pump — VALUE

This vacuum pump is engineered for use in air-conditioning service stations and general HVAC service applications and general air conditioning service tasks.
Single and dual-stage options are offered to accommodate various service requirements, with pumping capacities ranging from approximately 3 m^3/h to 10.2 m^3/h.
Final Vacuum: approximately 0.05 mbar / 25 microns



Product Code: **ELC-C26V**

Manifold Set

Robust two-way manifold kit designed for professional air conditioning service operations.

MANIFOLD CHARACTERISTICS
Two-way aluminum housing. Low pressure: 16 bar. High pressure: 40 bar. Convenient ball valves. Sturdy and durable construction.
1/4" SAE connection

SET CONTENTS
- 1 Manifold (AB 18 Bar YB 35 Bar)
- 1 valve-core removal tool with shut-off valve and needle
- 1 x 1/4" male inlet valve with a 1/4" female outlet.
- 2 Low and High-Pressure Vehicle Adapters
- 3 x 180 cm hoses





Product Code: **ELC-C902**

Digital Thermometer

It facilitates rapid and precise measurement of air temperature within vehicle air conditioning systems.
Measurement Range: -50 °C to +300 °C Accuracy: ±1 °C
Automatic Shut-off: 10 minutes
Power: 1.5 V — AG13 / LR44



Product Code: **ELC-C403**

Refrigerant Purifier Filter for Air Conditioning Refrigerant Charging Equipment

It assists in filtering moisture, acids, and particulates from the refrigerant recovered by air conditioning service equipment.
With its molecular sieve and activated alumina composition, it facilitates the purification of the refrigerant and aids in safeguarding the components within the system.
Elevated water retention capacity
Elevated acid retention capacity
Multi-stage filtration system
Minimal pressure loss
Suitable for R134a and other compatible refrigerants. Always verify refrigerant compatibility before use.



Product Code: **ELC-C131**

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