



FULLY AUTOMATIC RECOVERY, RECYCLING, VACUUM AND CHARGING UNIT WITH INTEGRATED ANALYZER



Thanks to its New 7" Touch Screen Display, OPTIMA+/A can be set up according to one's own working habits, by choosing among multiple options and personalising the daily use.



A SINGLE UNIT DESIGNED FOR R1234yf OR R134a

OPTIMA+/A is the follow up of the new generation of A/C units for recovery, recycling, vacuum and charge for the maintenance and repair of vehicle air-conditioning systems.

This model can work completely autonomously, thanks to the inclusion of automatic LOW and HIGH automatic valves. The 3 independent scales with 1g resolution, managing oils and additives, allow to operate in a safe and reliable way on Hybrid and full Electric Vehicles. The high accuracy standard, together with the new objective of "ZERO" refrigerant leaks during the oil discharge phase, and the fully automatic management of the discharge of non-condensable gases, ensure that this model complies with the strictest standard dictated by the German car manufacturers.

OPTIMA+/A is supplied with the gas analyzer Built-In hydraulically as standard. This variant allows fully automatic use even during the analysis phase, without disconnecting from the vehicle.

EQUIPMENT OPERATION LIGHT INDICATOR



ZERO EMISSION
Zero refrigerant leaks during the oil discharge phase



AUTOMATIC REFRIGERANT COMPOSITION ANALYSIS



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INCONDENSABLE AUTOMATIC DISCHARGE



Technical features

Refrigerants	R134a - R1234yf
Recovery rate	300 g/min
Recovery accuracy	+/-15g
Recovery efficiency	>99%
Charge accuracy	+/- 15g
Pump swept volume	100 l/min
Bottle capacity	10 kg
Refrigerant scale resolution	5 g
Oil/UV scale resolution	1 g
Dimensions (without packaging)	54 x 56 x 118 cm
Weight (without packaging)	66 kg

The OPTIONAL WI-FI KIT allows interconnection to the WIGAM service portal with the resulting potential.



K-134



K-1234



R456A
R513A

MAIN FUNCTIONS

- **HYBRID-READY: AUTO-CLEAN** function for hybrid and electric vehicles.
- Fully automatic unit:
 - Automatic refrigerant composition analysis.
 - Low and High automatic valves.
 - Automatic Recovery /Recycling.
 - Automatic Vacuum / Vacuum test.
 - Automatic oil discharge (with scale).
 - Automatic PAG, POE and UV oil charge.
 - Automatic refrigerant charge.
 - Automatic personalized cycle (recovery-vacuum-charge).
 - Flushing cycle.
- **ZERO refrigerant emission during the exhaust oil discharge phase.**
- Maximum accuracy of the refrigerant quantity both in the charging phase (+/- 15g) and in the recovery phase, equal to 99% of the total quantity.
- Database upgradeable with USB memory.
- Standard printer. Customized paper report with workshop/operator/ vehicle data.
- Automatic alarm for service: the unit advises when you have to replace the filter and oil in the vacuum pump. (I.A.S.).
- **Continuous monitoring of internal cylinder pressure.**
- **Automatic discharge control of not condensable gases.**
- Periodic auto-test: the unit checks the internal circuit tightness every 20 days.
- Pressure test with refrigerant before the charging phase.
- Pressure test with nitrogen or AZOIDRO (N2+H2).
- Distillation with automatic control.
- Integrated room temperature probe.
- **Automatic temperature control of the refrigerant heater cylinder.**
- Set up for interconnection through Wi-Fi kit (optional).
- **Automatic and built-in VARIANT (R134a/R1234yf) refrigerant analyzer with composition analysis.**
- Ready to work with hermetic disposable dosimeters (optional).
- Upgradeable for use with the main replacement gases for R134a as R456A and R513A (contact Wigam for specific compatibility).

Code	Model	Description
13003099	OPTIMA+/A VARIANT	Automatic unit R/R/V/C with printer and analyzer
14010100	K-134	Kit connections and 2500 mm flexible hoses for R134a
14010101	K-1234	Kit connections and 2500 mm flexible hoses for R1234yf
14028031	K-HERMETIC	Hermetic dosimeters kit UV+POE+PAG46+PAG100+connections
14028032	K-HERMETIC/POE	Hermetic dosimeters kit UV+POE+connections
14025171	K-WIFI	Wi-Fi kit