

# O P T I M A



## I.A.S-Intelligent Alert System

**CHECK ATTREZZATURA** | 18/10/2019 15:30 | 25.1°C

Capacità filtro refrigerante	50 kg	✓
Tempo residuo olio pompa per vuoto	25 min	✗ ⓘ
Quantità refrigerante in bombola	1000 g	✓
Quantità olio nuovo	10 g	✓
Quantità ltr.	20 g	✓

Sostituire l'olio della pompa per vuoto

⏪ Sostituire filtro | Sostituire olio ⏩

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**TEST PRESSIONE INTERNO** | 18/10/2019 15:30 | 25.1°C

ⓘ Assicurarsi che le valvole LOW e HIGH siano aperte  
Accertarsi che non sia collegata nessuna vettura

Pressione corretta	5.5 bar
Pressione reale	5.4 bar

**STOP** | 0% | 50% | **TEST START**

## B.C.S.Beginning Check System

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Sostituire l'olio della pompa per vuoto

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Sostituire l'olio della pompa per vuoto

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# AUTOMATIC RECOVERY-RECYCLING-VACUUM-CHARGING UNIT WITH NEW TOUCH SCREEN

**o p t i m a**

R134a  
R1234yf

HYBRID  
READY



Automatic unit  
R/R/V/C

**Model: OPTIMA**

**Code 13003093**

Automatic unit  
R/R/V/C with printer

**Model: OPTIMA/P**

**Code 13003094**

Kit connections and hoses  
for R134a

**Model: K-134**

**Code 14010100**

Kit connections and hoses  
for R1234yf

**Model: K-1234**

**Code 14010101**

Hermetic Starting Kit  
POE, PAG & UV

**Mod: K-START-BELLOW**

**Code 14028031**

## A SINGLE MACHINE DESIGNED FOR R1234yf or R134a

**OPTIMA** is the **NEWEST** unit born in the WIGAM factory . It represents the New Generation of Stations for recovery , recycling , vacuum and charge for the maintenance and repair of vehicle air conditioning systems.

Totally designed and produced by WIGAM, **OPTIMA** encompasses the most innovative features on the market today , combining Technology and Simplicity in perfect harmony.

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

In compliance with the WIGAM tradition, **OPTIMA** enjoys a design concept that allows the maximum accuracy of the refrigerant quantity, both in the recovery and the charging phase, in line with the industry standards and in full respect of the environment. 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**.

**OPTIMA** is also set up to work with Hermetic Disposable Bellows bottles, through the purchase of the appropriate kit.

The set-up has also been created for the "PLUG-IN" installation of the state of the art Refrigerant Analyser which interacts directly with the software and for the WIFI packet.

**OPTIMA** is the follow-up of the family of WIGAM's VARIANT models. **An only unit designed to be able to work with either R134a or R1234yf.** By means of the purchase of the appropriate completion kit, **OPTIMA** will be selected for the requested refrigerant during the first starting phase and through a retrofit operation, it can be converted to the use with the other refrigerant.



## MAIN FUNCTIONS



**NEW**

- **HYBRID-READY: AUTO-CLEAN function for hybrid and electric vehicles.**
- Completely automatic unit:
  - 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.
- Database upgradeable with USB memory.
- Versions with printer (mod. OPTIMA/P) and without (mod. OPTIMA)
- Customized paper report with workshop / operator data.
- Possibility to enter customer data (plate number, chassis number, km, ...).
- Automatic alarm for service: the unit advises when you have to replace the filter and oil in the vacuum pump.
- Automatic bottle pressure control.
- Periodic auto-test: the unit checks the internal circuit tightness every 20 days.
- Pressure test: before the charging phase, the machine performs the test pressure with refrigerant of the A/C system.
- Pressure test with nitrogen or AZOIDRO (N<sub>2</sub>+H<sub>2</sub>).
- Distillation with automatic control.
- Integrated room temperature probe.
- Ready for wifi connection (optional).
- Ready to integrate a refrigerant analyzer (optional).



### EQUIPMENT OPERATING LIGHT INDICATOR



UV charge



Olio charge



Recovery



Vacuum



## Technical features

Refrigerants	R1234yf - R134a	Refrigerant scale resolution	5 g
Recovery rate	300 g/min	Oil/UV scale resolution	1 g
Recovery accuracy	+/-15g	Storage temperature	-10 to +50°C
Recovery efficiency	>95%	Working ambient temperature	+10 to +50°C
Pump swept volume	100 l/min	Power supply	230/1/50
Bottle capacity	10 kg	Dimensions and weight (without package)	47 x 55 x 90 cm / 64 kg



7" new intuitive Touch screen.



Graphical database by brand.



I.A.S. INTELLIGENT ALERT SYSTEM.



### ESS EASY-SERVICE-SYSTEM

Direct access to replace filter and vacuum pump oil.



### HERMETIC STARTING KIT

3x260ml(POE+PAG46+PAG100)  
+1x125ml(UV) + 2xAdapters



### B.C.S. BEGINNING CHECK SYSTEM.