

A/C service unit COOLIUS A50

Order no. W050 105 030

**REFRIGERANT
R134a**



Powerful and robust air conditioning service unit for the fully automatic air conditioning service with the refrigerant R134a.

Ideal for service on cars, vans, commercial vehicles, construction vehicles and agricultural vehicles.

Highlights

Well thought-out operation and unique mobility

- Innovative data input with CooliusSelect: Convenient menu navigation and operation with navigation dial
- Innovative scale construction with a transport lock, which can be fixed without tools, ensures maximum shock reduction and allows easy mobile use

Conforming to the law

- Nitrogen/forming gas check integrated in the device software. This ensures binding documentation for the end customer

Clever documentation

- Readout and export of data via USB interface (Excel file)
- Enables the documentation of individual services and the evaluation of the total refrigerant consumption

Clean solution

- Automated cleaning of the A/C service unit circuit, making the unit immediately ready for the next A/C service, regardless of the type of oil
- Ready for hybrid and electric vehicles - equipped with 2 fresh oil -, and 1 UV additive container
- Intelligent ‚Low-Emission‘ concept: Innovative process for used oil drain ensures the lowest loss of refrigerant. This saves money, ensures safety and protects the environment!
- High suction rate of the compressor allows recovery of almost 100 % of the charged refrigerant

Service-friendly components

- Use of high-quality and specially matched components, allows a long service interval
- Fast and easy fault diagnosis with two analogue manometers
- Additional pressure gauge for displaying the internal refrigerant cylinder pressure

No unwanted access

- Personalized access for the device can be set up. Personalized 4-digit password ensures access only for authorized persons



Innovative data input with CooliusSelect

Comfortable menu navigation and operation by navigation wheel



Intelligent ‚Low-Emission‘ concept

Innovative procedure for waste oil drain ensures the lowest refrigerant loss



Smart scales construction

with transport lock for mobile application



Nitrogen / Forming gas test

clearly integrated in the software in compliance with the law



Ready for hybrid and electric vehicles

Equipped with 2 fresh oil and 1 UV additive reservoir

Technical data

Dimensions	680 x 667 x 1175 mm
Weight	90 kg
Casing	Metal with robust plastic cover
Power	230 V / 50 Hz
Operating temperature range	+10 / +49 °C
Refrigerant	R134a
Refrigerant tank	20 kg
Refrigerant scale	60 kg loadable
Max. operating pressure	20 bar
Compressor	3/8 HP
Recovery rate (liquid)	500 g/min
Built in nitrogen test	Automatic (Accessories necessary)
Non condensable gas discharge	Automatic
Main filter dryer (1 piece)	Type 660 Coaxial
Large ventilator for safe operation	D 172 mm
High recovery speed by cooling the compressor with a fan	D 172 mm
Monitoring of pressure increase in the A/C system	Automatic
Old oil discharge	Automatic
Old oil bottle capacity - sealed	250 ml
Öl / UV accuracy	± 2 g
Refrigerant recovery and charge accuracy	± 15 g
Vacuum pump capacity	128 l/min
Final pressure (McLeod abs)	0,05 mb
Electronic pressure sensor	Included
PAG / POE oil charge	Automatic
PAG / POE oil bottle capacity	250 ml

UV additive bottle capacity	100 ml
Refrigerant charge	Automatic
Flushing program	Included
Refrigerant management system	Included
Well-arranged display in four lines	4 x 20 characters
Acoustic signal	For errors and hints
Update of the vehicle data base	Via USB port
Set-up of own vehicle data base	Included
Integrated printer	With multiple printing
High pressure and low pressure valves	Electronically controlled
Pressure gauges (pulse free) LP + HP	CL 1.0 / D 80 mm
Pressure gauge for internal refrigerant tank pressure	CL 2.5 / D 40 mm
Parker quick couplers	SAE J639
Service hoses 3 m	SAE J2197
Extension kit service hoses	Optional
Service hoses compensation	Automatic
Certifications	CE-certification by TÜV Süd

Scope of delivery

A/C service unit COOLIIUS A50
Service hoses with standard couplers (length 3 m)
Stickers for the various oils and UV additives
Service booklet
Quick start guide (with website link for multi-lingual operating instructions)
Unit familiarisation (optional)
Vehicle fill quantity database

Have you also thought of materials and accessories such as refrigerant, oils, UV leak detection additive or UV LED flashlight?