



AIR CONDITIONING

AIR-CONDITIONING SERVICE UNIT COOLIUS A05

The COOLIUS A05 offers you a fully automatic air conditioning service with the refrigerant R134a. Like all COOLIUS units manufactured in Europe, the A05 impresses with its excellent price-performance ratio and high-quality construction.

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

Simple operation and unique mobility

- Fully automatic air conditioning service unit
- Innovative scales construction allows easy mobile use
- Comfortable menu navigation and operation via buttons
- High suction rate of the compressor allows recovery of almost 100% of the charged refrigerant
- Refrigerant can be added or removed during the pressure test to optimize the pressure conditions

Service-friendly components

- Robust metal construction
- The use of high-quality and specially matched components allows a long service interval
- Fast and easy fault diagnosis with two analogue pressure gauges



Technical Data	
Dimensions	550 x 495 x 910 mm
Weight	65 kg
Casing	Robust metal construction
Operating Power Supply	230V /50-60Hz
Refrigerant	R134a
Refrigerant tank	12 kg
Refrigerant scale	60 kg loadable
Max. operating pressure	20 bar
Recovery rate (liquid)	250 g/min
Old oil discharge	Automatic
Vacuum pump capacity	100 l/min
Electronic pressure sensor	Included
PAG oil charge	Automatic
Refrigerant charge	Automatic
Acoustic signal	For errors and hints
High pressure and low pressure valves	Electronically controlled
Parker quick couplers	SAE J639
Service hoses 3.0 m	SAE J2197
Certifications	CE-certification by TÜV Süd

AIR-CONDITIONING SERVICE UNIT COOLIUS A10

Air-conditioning servicing on air-conditioning units in cars, vans, utility vehicles, construction vehicles and agricultural vehicles.
Easy-to-use, mobile companion for air-conditioning servicing on R134a units

Efficient in mobile use

- Innovative scales construction with transport lock
- Highest level of impact reduction
- Can be operated with a voltage converter

Sophisticated documentation

- Data exported to Excel via USB interface
- Documentation of individual services
- Evaluation of total refrigerant consumption

Quick change of oil type, e.g. PAG to POE oil

Intelligent rinsing of the pipe system and service hoses

Long service intervals

Personalised access using a 4-digit password

Details/Application

Air-conditioning servicing on air-conditioning units in cars, vans, utility vehicles, construction vehicles and agricultural vehicles.

Scope of delivery

2 x 3 m service hoses with standard quick-action couplings
 Vehicle fill level database
 Stickers for various oils and UV additives
 Maintenance book
 Abridged operating instructions (with website link for multilingual operating instructions)
 Device instructions



ADAPTER SET

Straight screw adapter with 1/4" SAE internal thread x service connection, high and low pressure

Product weight (per item): 55 g

Art.No. 0764 000134



Innovative data entry with Coolius Select



Fault diagnosis with two analogue manometers



Trolley construction with transport guard



Prepared for hybrid and electric vehicles

AIR-CONDITIONING SERVICE UNIT COOLIUS A30

Fully automatic air-conditioning servicing with refrigerant R134a especially on buses, as well as commercial vehicles, construction vehicles, agricultural vehicles, rail vehicles, vans and cars.

The specialist for air-conditioning servicing on large-volume air-conditioning units with refrigerant R134a

Quick selection and easy input of all customer and vehicle data

- Intuitive menu navigation and convenient operation by simply turning and pressing the navigation wheel
- Fast and efficient air-conditioning service operation on high-volume air-conditioning units
- Additional refrigerant pump and compressor suction capacity of 980 g/min
- Long service intervals
- Use of high-quality components
- Highest level of impact reduction in daily workshop applications
- Efficient trolley construction integrated in the unit
- Precise oil filling
- Fully automatic oil management
- Oil type can be changed quickly
- Internal rinsing of the pipe system including service hoses
- In full compliance with the law, user-friendly, complete

Scope of delivery

5 m service hoses with standard couplings

Fill level database

Stickers for various oils and UV additives

Maintenance book

Abridged operating instructions (with website link for multilingual operating instructions)

Device instructions

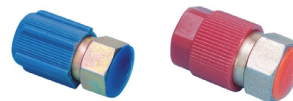
Device instructions



ADAPTER SET

Straight screw adapter with 1/4" SAE internal thread x service connection, high and low pressure

Product weight (per item): 55 g



Innovative data entry with Coolius Select



Fault diagnosis with two analogue manometers




Trolley construction with transport guard



Prepared for hybrid and electric vehicles

R134A


	Würth COOLIIUS A05	Würth COOLIIUS A10	Würth COOLIIUS A30
Art.no.	W050 100573	W050 101010	W050 103001
type of refrigerant	R134a	R134a	R134a
Refrigerant volume	12 kg	11 kg	35 kg
Nitrogen Test	N/A	N/A	Automatic (Accessories necessary)
Flushing program	N/A	included (Accessories necessary)	included (Accessories necessary)
Recovery rate (liquid)	250 g/min	300 g/min	980 g/min
Refrigerant recovery and charge accuracy	± 20	± 15	± 50
Oil / UV accuracy	± 2	± 2	± 2
Vacuum pump capacity	100 l/min	100 l/min	170 l/min
Weight of device	65 kg	65 kg	120 kg
Dimensions	550 x 910 x 495 mm	572 x 1045 x 545	680 x 1175 x 667 mm
Max. operating pressure	20 bar	20 bar	20 bar
Hose length	3 m	3 m	5 m
Printer	NO	YES	Yes
Vehicle fill quantity database	NO	YES	YES
Clever documentation	NO	YES	YES
UV LEAK DETECTION ADDITIVE	NO	YES	YES
Automatic?	<ul style="list-style-type: none"> - PAG oil charge - Refrigerant charge - Old oil discharge 	<ul style="list-style-type: none"> - Refrigerant charge - PAG / POE oil charge - Old oil discharge - Monitoring of pressure increase in the A/C system - Non condensable gas discharge 	<ul style="list-style-type: none"> - Refrigerant charge - PAG / POE oil charge - Old oil discharge - Monitoring of pressure increase in the A/C system - Non condensable gas discharge

Art.No.	Descreption	Picture
W052 100048	FILTER KIT-(MP OIL+GASKETS) A10/Y10/A30/A50	
W052 200250	Main Service Filter for A10/Y10/A30/A50/Y50/Y50A (OIL not Included)	
W052 100115	Filter Kit-(MP OIL+GASKETS) A05	
W052 100121	Filter Kit A05	
W052 200246	SP-SERVICE-COUPLING-LP-R134a	
W052 200247	SERVICE-COUPLING-HP-R134a	
W052 200248	SERVICE-COUPLING-LP-1234yf	
W052 200249	SERVICE-COUPLING-HP-1234yf	
W052 200272	BOTTLE-USED-OIL-250ML (A10/Y10)	
W052 200274	BOTTLE-POE-OIL-250ML	
W067 100001	AY-SERVICE HOSE EXT-SET-A/C-3M-R1234YF	
W067 200030	AY-HOSEEXT-SET-A/C-VEH-R134A	

WOW AC MACHINE -Y10

Fully automatic air conditioning service on R1234yf systems

Efficient in mobile use

- Innovative scales construction with transport lock
- Highest level of impact reduction
- Can be operated with a voltage converter

Sophisticated documentation

- Data exported to Excel via USB interface
- Documentation of individual services
- Evaluation of total refrigerant consumption

Quick change of oil type, e.g. PAG to POE oil

Intelligent rinsing of the pipe system and service hoses

Long service intervals

Use of high-quality and specially designed components

No unwanted access

Personalised access using a 4-digit password

Details/Application

Air-conditioning servicing on air-conditioning units in cars, vans, utility vehicles, construction vehicles and agricultural vehicles.

Scope of delivery

Service hoses with standard quick-action couplings

Vehicle fill level database

Stickers for various oils and UV additives

Maintenance book

Abridged operating instructions (with website link for multilingual operating instructions)

Device instructions

CE - TÜV SUD Certification

Certificate module A2: IS-I-MI-17-04-102486-1638

2006/42/EC, 2014/30/EU, 2014/35/EU



Innovative data entry with Coolius Select



Fault diagnosis with two analogue manometers



Trolley construction with transport guard



Prepared for hybrid and electric vehicles

WOW AC MACHINE-Y50A

Powerful and robust air conditioning service unit for the fully automatic air conditioning service with the refrigerant R1234yf with integrated refrigerant analyser. Ideal for service on cars, vans, commercial vehicles, construction vehicles and agricultural vehicles.

Smart refrigerant analysis

- Internally installed refrigerant analyser is fully integrated in the process of air conditioning service
- Intelligent triple filter system ensures that no oil, along with the refrigerant, enters the lines of the analyser and contaminates the unit
- Even with a low residual refrigerant pressure in the air conditioning system of around 500 mbar, a reliable refrigerant analysis can be carried out thanks to the ingenious system and software
- Max. 1.5 g of refrigerant is needed for the analysis

Smart documentation

Reading and exporting data via USB interface (Excel). Enables the documentation of individual services as well as the evaluation of the total refrigerant consumption.

Ready to perform

Automated cleaning of the A/C service unit circuit. As a result, the device is immediately ready for the next air conditioning service, no matter which type of oil.



Technical Data	
Dimensions	680 x 667 x 1175 mm
Weight	90 kg
Casing	Metal with robust plastic cover
Power	230 V / 60Hz
Refrigerant	R1234yf
Refrigerant tank	20 kg
Refrigerant scale	60 kg loadable
Max. operating pressure	20 bar
Recovery rate (liquid)	250 g/min
Old oil discharge	Automatic
Vacuum pump capacity	128 l/min
Compressor	3/8 HP
PAG oil charge	Automatic
Refrigerant charge	Automatic
Acoustic signal	For errors and hints
High pressure and low pressure valves	Electronically controlled
Integrated printer	With multiple printing
Parker quick couplers	SAE J639
Service hoses 3 m	SAE J2888

Art.No. W050 115020

R1234YF**Wurth COOLIIUS Y10****Wurth COOLIIUS Y50****Wurth COOLIIUS Y50A**

Art.no.	W050 111013	W050 115005	W050 115020
type of refrigerant	R-1234yf	R-1234yf	R-1234yf
Refrigerant volume	11 kg	20 kg	20 kg
Nitrogen Test	N/A	Automatic (Accessories necessary)	Automatic (Accessories necessary)
Flushing program	included (Accessories necessary)	included (Accessories necessary)	included (Accessories necessary)
Recovery rate (liquid)	300 g/min	500 g/min	500 g/min
Refrigerant recovery and charge accuracy	± 15	± 15 g	± 15
Oil / UV accuracy	± 2	± 2	± 2
Vacuum pump capacity	100 l/min	128 l/min	128 l/min
Weight of device	65 kg	90 kg	90 kg
Dimensions	572 x 545 x 1045 mm	680 x 667 x 1175 mm	680 x 667 x 1175 mm
Max. operating pressure	20 bar	20 bar	20 bar
Hose length	3 m	3 m	3 m
Printer	YES	YES	Yes
Vehicle fill quantity database	YES	YES	YES
Clever documentation	YES	YES	YES
UV LEAK DETECTION ADDITIVE	YES	YES	YES
Automatic?	<ul style="list-style-type: none"> - Refrigerant charge - PAG / POE oil charge - Old oil discharge - Monitoring of pressure increase in the A/C system - Non condensable gas discharge 	<ul style="list-style-type: none"> - Refrigerant charge - PAG / POE oil charge - Old oil discharge - Monitoring of pressure increase in the A/C system - Non condensable gas discharge 	Gas Analyzer <ul style="list-style-type: none"> - Refrigerant charge - PAG / POE oil charge - Old oil discharge - Monitoring of pressure increase in the A/C system - Non condensable gas discharge

WOW! FLUSHING KIT

For passenger and commercial vehicle air-conditioning units with refrigerants R1234yf and R134a

The full vehicle air-conditioning system is cleaned by flushing the refrigerant circuit

Extremely simple to use - quick to apply

- Fully automatic flushing in the circuit against the direction of flow of the A/C system with liquid refrigerant -

flushing kit adapter set required!

- Very high flow rate during flushing and thus highly effective cleaning of the A/C system

- 1 microfilter that is easily replaceable after 5 cycles

Flexible for a wide range of needs

- For refrigerants R134a and R1234yf
- Also used for air conditioners with different threaded connections

Cost-effective - good for the environment

- Recycled refrigerant can be reused
- Recycled refrigerant doesn't need to be disposed of

Scope of delivery:

- Flushing kit FK500
- Adapter for the various refrigerants
- Adapter for various threaded connectors
- 1 x microfilter



AIR-CONDITIONING REFRIGERANT R134A 13.6KG

Refrigerant 134a: 1.1.1.2 -Tetrafluorethane

Refrigerant for use in automotive air conditioning systems.

Advantages

- Not harmful to metals.
- Can be used as replacement for R12 refrigerant due to outstanding performance parameters.
- R134a is an environmental-friendly refrigerant that does not harm the ozone layer.
- R134a is a colorless, odorless and tasteless non-toxic substance.
- No risk of fire or explosion.
- Suitable for all mobile or stationary air conditioning service units.
- Approve by Würth International

Attention

- When used in automotive applications, R134 requires the use of polyalkylene glycol lubricants (PAG) in order to guarantee optimal oil return to the compressor.
- Do not mix with mineral oil or alkyl benzene lubricants.
- Do not mix R134a with CFC R12 refrigerant.



AIR-CONDITIONING REFRIGERANT R404A 10.9 KG

Standard disposable filling steel cylinder, 10.9 kg

- It’s specific properties mean that it does not harm metal compounds Non-toxic, colorless, odorless
- Non-flammable and non-explosive
- Does not harm the environment or the ozone layer

Details/Application

Used for filling air-conditioning systems.

Instructions

Fill the air-conditioning system in line with the quantity recommended by the vehicle manufacturer.



Technical Data	
Molecular Weight	97.6
Boiling Point, °C	-46.8
Critical Temperature °C	72.4
Critical Pressure, MPa	3.69
Vapour Pressure at 25 °C, MPa	1.255
Specific Heat of Liquid 30°C, kJ /(kg °C)	0.38
Ozonosphere Damage Potency (ODP)	0
Global Warming Potency (GWP)	3940
Appearance	Colorless
Odor	Odorless
Purity %	≥ 99.5
Moisture, ppm	≤ 10

PREMIUM UV LEAK DETECTION ADDITIVE

Fluorescent additive for locating leaks in R134a, R1234yf and R744 air-conditioning systems in accordance with SAE J2297

- Sufficient for 32 applications in a car or 16 applications in a lorry
- Compatible with PAG and ester oil
- High proportion of fluorescent ingredients
- Does not damage O-rings and seals

Details/Application

Can be used in R134a, R1234yf and R744 air-conditioning systems as well as in air-conditioning systems with electric compressors (hybrid, start/stop and electric vehicles) for reliably locating leaks and micro-leaks.

Instructions

- Draw the refrigerant out of the air-conditioning circuit and then draw a vacuum
- Unscrew the PAG fresh oil tank from the air-conditioning service unit and dispense the required amount
- Fill up the leak detection additive and attach to the fresh oil tank coupling. 7.5 ml (1/4 oz) are sufficient to service an air-conditioning system in a car, 15 ml (1/2 oz) in a truck
- Feed the leak detection additive into the air-conditioning circuit via the air-conditioning service unit

Notice

Only add the leak detection additive into the air-conditioning system via the red fresh oil tank coupling.



Technical Data	
Chemical basis	Polyolester oil
Colour	Light brown
Weight of content	232.8 g
Smell/fragrance	Aromatic
Density	0.88 g/cm ³
Shelf life from production	60 Month

CONTRAST GOGGLES, YELLOW

UV leak detector glasses for easily identifying traces of UV leak detector products

For detecting leaks in air-conditioning units in cars, trucks and buses

For identifying traces of dye in oil and fluid lines

Yellow-coloured lens

Complete plastic construction

Complies with EN166 standards



Art.No. 0764 000103

LED UV TORCH

For use when searching for leaks highlighted by UV leak detection fluid in vehicle air-conditioning systems.

Easier to search for leaks than with a standard blue light

Long-wave UVA radiation creates a true UV light.

Highly robust design with excellent corrosion resistance

Housing made of high-quality 6061 T6 aluminium alloy.

Gold-plated contacts

No corrosion

Optimum contact with minimal transfer resistance



Art.No. 0827 807201

ELECTRONIC REFRIGERANT LEAK DETECTOR

To detect leaks of CFC, HFC and HCFC refrigerant (including mixtures), also suitable for HFO 1234YF

No additional consumables needed for detecting leaks

Visual and acoustic warning signal (acoustic warning can be deactivated)

Sensor tip with LED warning light, making searching even easier

Device automatically switches to zero setting (ambient air)

Battery status indicator

Supplied with 4x AA alkaline batteries



Art.No. 0764 000700

MULTIGRADE COMPRESSOR OIL PRO - 1000 ML

High-value synthetic oil with additive specifically tailored for use in air-conditioning compressor technology

Compatible with following refrigerants: R 23, R 125, R 134a, R1234yf, R 227, R 413a, R 407c, R 410a, R 404a, R 507, R 744.

Can be mixed with PAG oil and ester oil
One oil for all applications

- Excellent lubrication effect**
- Longer compressor service life
 - High level of refrigerant compression in the compressor

Details/Application
For universal maintenance and lubrication of vehicle air-conditioning compressors in the refrigerant circuit.

Instructions
Topping up compressor oil to the quantity recommended by the vehicle manufacturer and transferring it to the air-conditioning circuit via the air-conditioning service unit.



Technical Data	
Chemical basis	Phosphate
Density	0.979 g/cm³
Density conditions	at 20°C
Kinematic oil basis viscosity	85 cSt
Conditions for viscosity of oil basis	at 40°C, in accordance with ASTM D-445
VOC concentration (CH)	0 %
Min. flashing point	282 °C

ANTIBACTERIAL AIR CONDITIONER CLEANER QUICK FRESH ACTIVE PLUS

For quick and effective removal of odours and bacteria in interior spaces and vehicle air-conditioning systems

- Reliable at fighting unpleasant odours caused by bacteria in the air ducts of air-conditioning units and in vehicle interiors
- Silver ions prevent further odour with their antibacterial effect
- Reliable at fighting unpleasant odours caused by bacteria in the air ducts of air-conditioning units and in vehicle interiors
- Silver ions prevent further odour with their antibacterial effect

Details/Application

- Antibacterial effect thanks to silver ions
- Long-lasting fresh scent
- No laborious disassembly work on the evaporator and interior
- No additional manual for specific work steps required
- Effectiveness confirmed independently
- Easy to use
- Fights unpleasant odours with odour absorbers

Technical Data	
Chemical basis	Water and ethanol
Colour	Transparent
Contents	100 ml
Weight of content	77 g
Smell/fragrance	Lemon
Density	0.77 g/cm ³
Shelf life from production	24 Month



Instructions

No persons are allowed inside the vehicle during application. All electrical devices must be switched off during application. Avoid ignition sources. Ventilate the vehicle well for several minutes after use. Do not smoke inside the vehicle straight after application. Use only one can per application.

1. Switch off air-conditioning unit, activate air circulation
2. Set ventilation to maximum and select a cold temperature level for the interior
3. Shake can well before use
4. Position the can in the footwell or on the rear centre console and activate the spray head. Keep doors and windows closed during application (approx. 2-3 min.). Make sure that the spraying jet (90-150 cm) does not reach, for example, lighting and sliding roof control elements, the display, radio, navigation etc.
5. Remove excess substance immediately with a damp cloth
6. Ventilate the vehicle well after use

Note the product information!

MY NOTES:

[illegible]



AIR CONDITIONING

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#READY
FOR WORK

شركة وورث السعودية العربية ذ.م.م. طريق الملك فهد
الفرعي، حي العليا، شارع رقم ٧٠، ص.ب. ٥٠٣، ١٢٢١٤
الرياض

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