

# A/C service unit COOLIUS A10

Order no. W050 101 030





The COOLIUS A10 is your easy-to-use and mobile companion for the air conditioning service on R134a systems.

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

## Highlights

#### Efficient in mobile use

- 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
- Device is optimally mobile usable, as it can be operated with a voltage transformer

### **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

- Quick change of oil type possible through intelligent internal flushing of the line system (PAG to POE oil etc.) including flushing of the service hoses
- Ready for hybrid and electric vehicles equipped with 1 fresh oil, 1 waste oil and 1 UV additive container
- 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

#### No unwanted access

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



Everything at a glance

Quick and easy fault diagnosis with two analogue pressure gauges



Innovative data input with CooliusSelect

Comfortable menu navigation and operation by navigation wheel.



**Secure scales construction** with transport lock for mobile application



Ready for hybrid and electric vehicles

Equipped with 1 fresh oil, 1 used oil and 1 UV additive reservoir





# Technical data

Weight 65 kg  Casing metal with robust plastic cover  Power 230 V / 50 Hz  Operating temperature range +10 / +49°C  Refrigerant R134a  Refrigerant tank 11 kg  Refrigerant scale 60 kg loadable  Max. operating pressure 20 bar  Compressor 1/3 HP  Recovery rate (liquid) 300 g/min  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  Monitoring of pressure increase in the A/C system Automatic  Old oil discharge Automatic  Old oil reservoir capacity 250 ml  Öl / UV accuracy ± 2 g  Refrigerant recovery and charge accuracy 100 l/min  Final pressure (McLeod abs) 0,05 mb  Electronic pressure sensor Included  PAG / POE oil reservoir capacity 250 ml  UV additive reservoir capacity 250 ml  UV additive reservoir capacity 250 ml	Dimensions	572 x 545 x 1045 mm
Power 230 V / 50 Hz  Operating temperature range +10 / +49 °C  Refrigerant R134a  Refrigerant tank 11 kg  Refrigerant scale 60 kg loadable  Max. operating pressure 20 bar  Compressor 1/3 HP  Recovery rate (liquid) 300 g/min  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  Monitoring of pressure increase in the A/C system Automatic  Old oil discharge Automatic  Old oil reservoir capacity 250 ml  Öl / UV accuracy ± 2 g  Refrigerant recovery and charge accuracy 100 l/min  Final pressure (McLeod abs) 0,05 mb  Electronic pressure sensor Included  PAG / POE oil charge Automatic  PAG / POE oil reservoir capacity 250 ml	Weight	65 kg
Operating temperature range	Casing	metal with robust plastic cover
Refrigerant R134a  Refrigerant tank  Refrigerant scale  Max. operating pressure  Compressor  I/3 HP  Recovery rate (liquid)  Non condensable gas discharge  Main filter dryer (1 piece)  Large ventilator for safe operation  High recovery speed by cooling the compressor with a fan  Monitoring of pressure increase in the A/C system  Old oil discharge  Automatic  Old oil reservoir capacity  Z50 ml  Wacuum pump capacity  Final pressure (McLeod abs)  Electronic pressure sensor  PAG / POE oil reservoir capacity  Refrigerant recovery capacity  Refrigerant recovery sensor  Included  PAG / POE oil reservoir capacity  250 ml	Power	230 V / 50 Hz
Refrigerant tank  Refrigerant scale  Max. operating pressure  Compressor  Compressor  I/3 HP  Recovery rate (liquid)  Non condensable gas discharge  Main filter dryer (1 piece)  Large ventilator for safe operation  High recovery speed by cooling the compressor with a fan  Monitoring of pressure increase in the A/C system  Old oil discharge  Automatic  Old oil reservoir capacity  ÖI / UV accuracy  Refrigerant recovery and charge accuracy  Vacuum pump capacity  Final pressure (McLeod abs)  Electronic pressure sensor  PAG / POE oil reservoir capacity  20 bar  Automatic  1 1 kg  60 kg loadable  Automatic  Type 660 Coaxial  D 172 mm  D 172 mm  Automatic  Automatic  Automatic  2 50 ml  ± 15 g  Vacuum pump capacity  Included  PAG / POE oil charge  Automatic  PAG / POE oil reservoir capacity  2 50 ml	Operating temperature range	+10 / +49°C
Refrigerant scale  Max. operating pressure  20 bar  Compressor  1/3 HP  Recovery rate (liquid)  Non condensable gas discharge  Main filter dryer (1 piece)  Large ventilator for safe operation  High recovery speed by cooling the compressor with a fan  Monitoring of pressure increase in the A/C system  Old oil discharge  Automatic  Old oil reservoir capacity  ÖI / UV accuracy  Refrigerant recovery and charge accuracy  Vacuum pump capacity  Final pressure sensor  PAG / POE oil charge  Automatic  60 kg loadable  20 bar  60 kg loadable  60 k	Refrigerant	R134a
Max. operating pressure  20 bar  Compressor  1/3 HP  Recovery rate (liquid)  Non condensable gas discharge  Main filter dryer (1 piece)  Large ventilator for safe operation  High recovery speed by cooling the compressor with a fan  Monitoring of pressure increase in the A/C system  Old oil discharge  Automatic  Old oil reservoir capacity  250 ml  ÖI / UV accuracy  Refrigerant recovery and charge accuracy  Vacuum pump capacity  100 I/min  Final pressure sensor  Included  PAG / POE oil charge  20 bar  1/3 HP  20 bar  Automatic  Automatic  D 172 mm  D 172 mm  Automatic  Automatic  250 ml  ± 2 g  ± 15 g  100 I/min  Final pressure (McLeod abs)  O,05 mb  Electronic pressure sensor  Included  PAG / POE oil reservoir capacity  250 ml	Refrigerant tank	11 kg
Compressor  1/3 HP  Recovery rate (liquid)  Non condensable gas discharge  Automatic  Main filter dryer (1 piece)  Large ventilator for safe operation  High recovery speed by cooling the compressor with a fan  Monitoring of pressure increase in the A/C system  Old oil discharge  Old oil reservoir capacity  ÖI / UV accuracy  Refrigerant recovery and charge accuracy  Vacuum pump capacity  Final pressure (McLeod abs)  Electronic pressure sensor  PAG / POE oil charge  Automatic  1/3 HP  300 g/min  Automatic  D 172 mm  Automatic  Automatic  250 ml  ± 2 g  ± 15 g  100 l/min  Final pressure (McLeod abs)  Lectronic pressure sensor  Included  PAG / POE oil charge  Automatic  250 ml	Refrigerant scale	60 kg loadable
Recovery rate (liquid)  Non condensable gas discharge  Automatic  Main filter dryer (1 piece)  Large ventilator for safe operation  High recovery speed by cooling the compressor with a fan  Monitoring of pressure increase in the A/C system  Old oil discharge  Automatic  Old oil reservoir capacity  250 ml  ÖI / UV accuracy  Refrigerant recovery and charge accuracy  Vacuum pump capacity  100 l/min  Final pressure (McLeod abs)  Electronic pressure sensor  PAG / POE oil charge  Automatic  250 ml	Max. operating pressure	20 bar
Non condensable gas discharge  Main filter dryer (1 piece)  Large ventilator for safe operation  High recovery speed by cooling the compressor with a fan  Monitoring of pressure increase in the A/C system  Old oil discharge  Automatic  Old oil reservoir capacity  D 172 mm  Automatic  Automatic  Automatic  Old oil reservoir apacity  D 172 mm  Automatic  Automatic  D 172 mm  Automatic  Automatic  D 172 mm  Automatic  Automatic  D 172 mm  Automatic	Compressor	1/3 HP
Main filter dryer (1 piece)  Large ventilator for safe operation  D 172 mm  High recovery speed by cooling the compressor with a fan  Monitoring of pressure increase in the A/C system  Old oil discharge  Automatic  Old oil reservoir capacity  ÖI / UV accuracy  Refrigerant recovery and charge accuracy  Vacuum pump capacity  100 l/min  Final pressure (McLeod abs)  Electronic pressure sensor  PAG / POE oil charge  Automatic  1250 ml  12 g  13 g  100 l/min	Recovery rate (liquid)	300 g/min
Large ventilator for safe operation  D 172 mm  High recovery speed by cooling the compressor with a fan  Monitoring of pressure increase in the A/C system  Old oil discharge  Automatic  Old oil reservoir capacity  250 ml  ÖI / UV accuracy  Refrigerant recovery and charge accuracy  Vacuum pump capacity  100 l/min  Final pressure (McLeod abs)  Electronic pressure sensor  PAG / POE oil charge  PAG / POE oil reservoir capacity  D 172 mm  Automatic  Automatic  100 l/min	Non condensable gas discharge	Automatic
High recovery speed by cooling the compressor with a fan  Monitoring of pressure increase in the A/C system  Old oil discharge  Automatic  Old oil reservoir capacity  250 ml  ÖI / UV accuracy  Refrigerant recovery and charge accuracy  Vacuum pump capacity  100 l/min  Final pressure (McLeod abs)  Electronic pressure sensor  Included  PAG / POE oil charge  Automatic  250 ml	Main filter dryer (1 piece)	Type 660 Coaxial
the compressor with a fan  Monitoring of pressure increase in the A/C system  Old oil discharge  Automatic  Old oil reservoir capacity  250 ml  ÖI / UV accuracy  Refrigerant recovery and charge accuracy  Vacuum pump capacity  100 l/min  Final pressure (McLeod abs)  Electronic pressure sensor  PAG / POE oil charge  Automatic  250 ml	Large ventilator for safe operation	D 172 mm
in the A/C system  Old oil discharge  Automatic  Old oil deservoir capacity  Öl / UV accuracy  Refrigerant recovery and charge accuracy  Vacuum pump capacity  100 l/min  Final pressure (McLeod abs)  Electronic pressure sensor  PAG / POE oil charge  Automatic  Automatic  Automatic  Automatic  Automatic  250 ml		D 172 mm
Old oil reservoir capacity         250 ml           Öl / UV accuracy         ± 2 g           Refrigerant recovery and charge accuracy         ± 15 g           Vacuum pump capacity         100 l/min           Final pressure (McLeod abs)         0,05 mb           Electronic pressure sensor         Included           PAG / POE oil charge         Automatic           PAG / POE oil reservoir capacity         250 ml	• .	Automatic
ÖI / UV accuracy         ± 2 g           Refrigerant recovery and charge accuracy         ± 15 g           Vacuum pump capacity         100 l/min           Final pressure (McLeod abs)         0,05 mb           Electronic pressure sensor         Included           PAG / POE oil charge         Automatic           PAG / POE oil reservoir capacity         250 ml	Old oil discharge	Automatic
Refrigerant recovery and charge accuracy         ± 15 g           Vacuum pump capacity         100 l/min           Final pressure (McLeod abs)         0,05 mb           Electronic pressure sensor         Included           PAG / POE oil charge         Automatic           PAG / POE oil reservoir capacity         250 ml	Old oil reservoir capacity	250 ml
± 15 g	Öl / UV accuracy	± 2 g
Final pressure (McLeod abs)  Electronic pressure sensor  Included  PAG / POE oil charge  Automatic  PAG / POE oil reservoir capacity  250 ml	,	± 15 g
Electronic pressure sensor Included  PAG / POE oil charge Automatic  PAG / POE oil reservoir capacity 250 ml	Vacuum pump capacity	100 l/min
PAG / POE oil charge Automatic PAG / POE oil reservoir capacity 250 ml	Final pressure (McLeod abs)	0,05 mb
PAG / POE oil reservoir capacity 250 ml	Electronic pressure sensor	Included
, , , , , , , , , , , , , , , , , , , ,	PAG / POE oil charge	Automatic
UV additive reservoir capacity 100 ml	PAG / POE oil reservoir capacity	250 ml
	UV additive reservoir 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
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 COOLIUS A10	
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?