# Service

## Aircon service unit WAC 2000A Basic with integrated analyser

Part no. W050 200 013





The WAC 2000A Basic provides the basic equipment for safe, reliable use on A/C systems with the new R-1234yf refrigerant.

The system has an integrated refrigerant analyser.

#### **Equipment features:**

#### Up-to-date and conforms to the relevant laws

- CF-certified
- Continuous leak monitoring to pick up even the smallest leaks so as to prevent the loss of refrigerant
- Manufactured according to CELEN 60079-10 (CEI31-30) guidelines
- Database updates via USB interface
- Internal ventilation system clears gases from the unit thereby ensuring safe and reliable operation
- Internal flushing function of the service hoses prior to a change of oil arade
- Automatic pressure increase monitoring after extraction
- Automatic hose length compensation

#### Time-saving

- Much faster automatic A/C service sequence than required by the German vehicle manufacturers
- Documentation of refrigerant consumption by means of a refrigerant management system
- Automatic draining of non-condensable gases from the internal refrigerant bottle
- Fully automatic oil management for exact oil filling
- Ideally suitable for hybrid and electric vehicles or vehicles with electrical compressors, thanks to 4 oil reservoirs for fresh oil and UV additives with automatic flushing mode
- Electronically controlled opening and closing of the high- and lowpressure valves

#### Complete

- Sturdy metal housing
- Integrated refrigerant analyser ensures the refrigerant remains pure
- 3 m long service hoses
- Cover protects the unit against dust and dirt
- Integrated printer with multiple and personalised printing
- Clear display of all measured values and function data and printout of the completed work steps
- All customer and vehicle data can be input, thus easy to handle also for warranty claims in that all the relevant data are available and can also be printed out

#### Easy to use and environmentally friendly

- Simple and fast refilling of the oil/UV reservoirs via quick-action couplings
- Very easy to use menu navigation
- Large, clear 7" colour display with individual settings
- Easy handling for servicing and maintenance work (automatic operating hours counter)
- Integrated LED display and acoustic indication in the event of faults and information
- High compressor extraction rate allows recovery of over 95% of the refrigerant charge

Technical data	
Dimensions	650 x 550 x 1400 mm
Weight	110 kg
Refrigerant	R-1234yf
Refrigerant tank	20 kg
Extraction rate	300 g/min
Vacuum pump capacity	90 l
Vacuum level	3 x 10-1 Pa
Refrigerant filling accuracy	± 15 g
Oil / UV accuracy	1 g
Percentage purity R-1234yf	100 %
Pressure gauge	High-resolution digital display, additional pressure gauges
Max. operating pressure	20 bar
Number of filter dryers	1
Approvals	CE certification, SAE J2099, SAE J2843 EC Machinery Directive 2006/42/EC EC Low Voltage Directive 2006/95/EC EC EMC Directive 89/336/EEC EC Pressure Equipment Directive 97/23/EC

#### A/C SERVICE

#### Aircon Service Units Cars



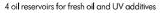
#### Aircon service unit WAC 2000 Basic with connection for an external analyser

Part no. W050 200 007

The WAC 2000 Basic offers the basic equipment for connecting a suitable external analyser. An existing analyser can be used. This system also features all the functions of the WAC 2000A Basic.









Clear display of data

#### **Advantages**

- CE-certified
- Compatible with all approved refrigerant analysers
- Refrigerant analyser can be easily and quickly connected by way of **USB** port

#### Scope of delivery WAC 2000A Basic

Designation	Part no.
Aircon service unit WAC 2000A Basic with integrated analyser	W050 200 013
Service hoses with standard quick-action couplings (length 3 m)	-
Stickers for the various oils	-
Service booklet	-
Quick start guide	-
Operating instructions CD (multi-lingual)	-
Cover	_
Unit familiarisation	_

#### Accessories

Designation	Part no.	Description
Maintenance contract	0900 400 018	Carried out annually by our technicians

#### **Conversion kit**

Part no. W067 200 003

For converting the refrigerant of a WAC 2000 Series aircon service unit from R-1234yf to R134a.

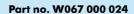


#### Scope of delivery WAC 2000 Basic

Designation	Part no.
Aircon service unit WAC 2000 Basic with USB port for external analysis	W050 200 007
Service hoses with standard quick-action couplings (length 3 m)	_
Stickers for the various oils	-
Service booklet	_
Quick start guide	_
Operating instructions CD (multi-lingual)	-
Cover	-
Unit familiarisation	_

### **External** analyser







Simple composition analysis of refrigerant in vehicle air conditioning system. Connection for all top-selling aircon service units which have been developed in accordance with the specifications of the working group of the German OEMs organised in the VDA in cooperation with TÜV Rheinland.