

A/C SERVICE

Aircon Service Units
Cars

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

- CE-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 grade
- 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 low-pressure 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

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**REFRIGERANT
R-1234yf**



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.



4 oil reservoirs for fresh oil and UV additives



Clear display of data

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.



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 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 (for WAC 2000)

Part no. **W067 000 024**



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.