

AC Service Units

for R134a and R1234yf refrigerant



- Fully automatic
- Premium accuracy
- Maximum safety

Beissbarth BAC 4000a and BAC 5000yf

Premium AC service units

Fully-automatic:

- Recovery function
- Vacuum function
- Leak test
- Purging of non condensable gases
- Clean oil injection (separate bottles for PAG and POE oil)
- UV dye injection with electronic scale
- Refrigerant charge function

Top Quality:

- Precision rate of ± 15 gram for filling and recovering functions achieved by integrated pressure and temperature control of refrigerant
- 2 separate lubrication circuits prevent a cross contamination of PAG and POE oil
- Separate injection of UV dye and lubricants

Additional features:

- Hose clearing function
- LAN connection for workshop network connectivity
- Oil purge function with electronic scale
- Internal air flow control
- Software Windows Embedded CE
- Flushing function (optional flushing kit)
- Integrated printer for detailed reports

BAC 4000a

- Refrigerant R134a
- Complies with SAE J2788 Standard

BAC 5000yf

- Refrigerant R1234yf
- Complies with SAE J2843 Standard
- With integrated refrigerant identifier

Scope of delivery:

- Fully-automatic AC service unit
- High/low pressure hoses (2.5 m)
- Quick couplers (SAE J2196 for R134a) or (SAE J2888 for R1234yf)
- 3 oil bottles
- 1 UV dye bottle
- Calibration weight to check oil and refrigerant scale
- Multi language user manual
- Quick start reference
- Thermal paper for printer
- Safety kit: safety goggles and gloves
- Protective dust hood

ORDER NUMBER:

Flushing kit SP00.101.176

ORDER NUMBER:

BAC 4000a SP00.000.078-FY4

ORDER NUMBER:

BAC 5000yf SP00.000.077-FY4

High and low pressure gauges

Large 5.7 inch colour display with plastic film keyboard

Integrated printer



Injection of oil or UV dye, separate oil circuit (for hybrid and fully electric vehicle systems)



Unit with mounted flushing kit

BAC 5000yf and BAC 4000a



Beissbarth BAC 3000a and BAC 3000yf

Smart AC service units

Fully-automatic:

- Recovery function
- Vacuum function
- Leak test
- Purging of non condensable gases
- Oil injection
- Refrigerant charge function

Top Quality:

- Heavy-Duty materials
- Ergonomic design

Additional features:

- Hose clearing function
- Internal air flow control
- Flushing function (optional flushing kit)
- Integrated printer for detailed reports



**BAC 3000a and
BAC 3000yf**

ORDER NUMBER:

Flushing kit SP00.101.176

BAC 3000a

- Refrigerant R134a

BAC 3000yf

- Refrigerant R1234yf

Scope of delivery:

- Fully-automatic AC service unit
- High/low pressure hoses (2.5 m)
- Quick couplers (SAE J2196 for R134a)
or (SAE J2888 for R1234yf)
- 2 oil bottles
- Calibration weight to check oil and refrigerant scale
- Multi language user manual
- Thermal paper for printer
- Safety kit: safety goggles and gloves

ORDER NUMBER:

BAC 3000a SP00.000.095-FY4

ORDER NUMBER:

BAC 3000yf SP00.000.094-FY4

Specific information

TECHNICAL DATA	BAC 4000a	BAC 5000yf	BAC 3000a	BAC 3000yf
Refrigerant	R134a	R1234yf	R134a	R1234yf
Refrigerant identifier	No	Integrated	No	Optional
Recovery accuracy/performance	15 gr, 99 %		≤ 95 %	
Display	5,7 inch TFT, 320 x 240 pixel		160 x 120 Monocromatic	
Keypad	Alphanumeric with function keys		Alphanumeric with function keys	
Manometers	EN837-1; 100 mm		EN837-1; 68 mm	
Manual valves	No		Yes, 2	
Service hoses	2.50 m		2.50 m	
Couplings	SAE J2196	SAE J2888	SAE J2196	SAE J2888
Hybrid a/c system compatibility (hoses flush, POE/PAG)	Yes, hoses flush and POE/PAG oil injection		Yes, hose flush	
Printer	Yes		Yes	
USB port	Yes		Yes	
SD card slot	Yes		Yes	
Hermetic compressor	3/8 HP		1/4 HP	
Vacuum pump	170 l/min (50 Hz) 198 l/min (60 Hz)		71 l/min	
Internal storage vessel	9.09 kg		8 kg	
Filter for dryer	700 cc		300 cc	
Oil bottles	3x 250 ml		2x 250 ml	
UV dye bottle	1x 250 ml		no UV dye injection	
Dimensions	107 x 61 x 76 cm		107 x 61 x 76 cm	
Weight	107 kg		107 kg	
Voltage supply	230 V, 50/60 Hz		230 V, 50/60 Hz	
Certificates	CE, TÜV Rheinland		CE	

THE BAC 5000yf SAFETY PACKAGE:

Integrated refrigerant identifier

Preventing contamination of the service station if vehicle contains unclean refrigerant

Automatic monitoring of the gas concentration inside the service unit

- Automatic air ventilation is controlled by electronic flow meter, which checks the unit with known limits to keep the gas concentrations below the inflammable level
- Regular leakage check by performing vacuum and pressure test with automatic power switch off in case of leak

Safety mode for maintenance

- Electric functions are automatically switched off
- Automatic leak detection when changing filter and vacuum pump oil

German inspection authority TÜV Rheinland released the unit according to the German automotive industry association and the European Pressure Equipment Directive (PED, 97/23/EC) regarding safety, reliability and efficiency.

Beissbarth Service worldwide.



Service from Beissbarth Munich:

- Fast telephone support
- Prompt spare parts deliveries
- Personal maintenance contracts

Factory customer service:

Beissbarth and authorised partners provide on site assistance with installation, personnel instruction, equipment assembly and maintenance – all over the world with partners in more than 90 countries.

Training centre:

Instruction and training at the Robert Bosch GmbH STC, 73207 Plochingen

Software centre:

Technical documentation, vehicle specified data and marketing material for immediate download:
www.beissbarth.com

Please note: We make every effort to ensure our product information is accurate and up-to-date. We nevertheless reserve the general right to make changes to technical data, colours and equipment at any time. Certain illustrations may contain optional special accessories. For a binding quotation please contact our authorised dealers directly at www.beissbarth.com.



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