

BAC 4100a

Fully-automatic AC service unit for R134a, Maximum precision - Easy operation (BMW OrderNo.: 81 34 2 286 739)

S.P00.000.068

The new fully-automatic Beissbarth AC service unit recovers, recycles and refills R134a refrigerant.

Serves standard, hybrid and fully electric vehicle systems.

The 5,7 inch colour display and the large high and low pressure gauges keep the operator up to date during the complete procedure

Fully-automatic:

- Recovery function
- Vacuum function
- Leak test
- Air purge function
- Clean oil injection (separate bottles for PAG and POE oil)
- UV dye injection
- Refrigerant charge function

Additionally included:

- Hose clearing function
- oil drain function with electronic scale
- Internal air flow control
- Windows Embedded CE
- Flushing function (optional flushing kit)

Optional accessories:

Flushing kit 81 34 2 286 908



Features

Automatic Oil Management

- Two separate lubrication circuits for PAG- and POE- oils to also service hybrid vehicles
- Three separate operating electronic scales for used and clean oil bottles, as well as UV-dye
- Hermetically closed oil bottles prevent any contamination with moisture and dust.

Quality standard guarantee an unlimited air-conditioning service

- Automatic air purge and cleaning of non condensable gases
- Shock resistant refrigerant scale for precise determining of refrigerant volume, accuracy of +/- 5g
- Vacuum time programmable

Additional features:

- Integrated flushing program combined with optional flushing kit. The flushing process removes residue of lubricants and other fluids efficiently.
- Automatic UV dye injection.



Technical Data

● Refrigerant R-134a	
● Display 5,7 inch TFT, 320 x 240 Pixel VAG color display	
● Alphanumeric keypad with function keys	
● Manometers EN837-1, 100 mm	
● No manual valves	
● Service hoses 2.50 m	
● Couplings SAE J2196	
● Printer	
● 2 USB ports	
● SD card slot	
● Hermetic compressor	3/8 HP
● Vacuum pump	170 l/min (50 Hz) 198 l/min (60 Hz)
● Internal storage vessel	9.09 Kg
● Filter for dryer	700 cc
● Oil bottles	2x 250 ml
● UV dye bottle	1x 250 ml
● Dimensions	107x 61 x 76 cm
● Weight	107 kg
● Voltage supply	230V, 50/60 Hz

Advantages

Deep Recovery Function – total recovery saves costs and protects the environment

- The intelligent electronic control of refrigerant weight, pressure and temperature guarantees a minimum of refrigerant waste during the service process.
- The unit complies with SAE J2788 Standard.
- Maximum accuracy during recovery and flushing is based on +/- 15 gram.
- 95% of the refrigerant is evacuated from vehicle and hoses.
- Double-stage vacuum pump with delivery volume of 170 L/min.

Fully-automatic, high-capacity and comfortable

- Fully-automatic – no manually operated valves
- Powerful compressor with a capacity of 500 g/min
- Extra large dryer filter cartridge of 700cc
- 21 languages
- Visual and acoustic signals in case of error messages and upon completion

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