

BAC 5100yf

AC service unit for R1234yf, Integrated refrigerant identifier, Safe, climate change friendly, efficient (BMW OrderNo.: 81 34 2 286 325)

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Fully automatic service unit

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

Additional features:

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



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.

Features

The BAC 5100yf 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



Technical Data

- Refrigerant R-1234yf
- Display 5,7 inch TFT, 320 x 240 pixel, VAG colour display

● Alphanumeric keypad with function keys	
● Manometers EN 837-1, 100 mm	
● No manual valves	
● Service hoses 2.50 m	
● Couplings according to SAE J2888	
● 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
● Voltage supply	230V, 50/60 Hz
● Weight	107 kg
● Certificates	CE, TÜV Rheinland, SAE J2099, SAE J2843

Advantages

Efficiency in comparison to standard units

- Service time can be reduced by 20 minutes thanks to the unique "deep recovery" function (double-stage vacuum pump with high performance and a delivery volume of 170 L/min).
- 10% more refrigerant recovery from AC system of vehicle
- 80% better recycling minimizing loss of refrigerant
- Automatic warning system to alert maintenance and filter change

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 Separate injection of UV dye and lubricants
- Hermetically closed oil and UV-dye bottles ensure moisture free and clean storage
- Automatic internal connections and service hose clearing
- Auto-test during start procedure.

Reducing environmental impact

- automatic drain of non condensable gases and cleaning of oils
- Deep recovery function: at least 95% of refrigerant is recovered from the AC system of vehicle and hoses

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