



SIMPLY EFFICIENT

BMW global

RECOMMENDATION

AIR CONDITIONING SERVICE EQUIPMENT

**BMW
MINI
ROLLS-ROYCE**

ECOTECHNICS

Ecotechnics is the specialised international brand and landmark for the maintenance of air conditioning systems in the automotive industry. The brand stands for the indisputable safety of its products and its employees, the consciousness of providing sustainable products, the constant research of improvement and the passion for customer connection.

The workers in the workshop are the "daily heroes" who make things work. The company puts them first, listening carefully to their needs and striving to offer always the most efficient and friendly solutions.

Ecotechnics was established in Florence in 1995. Following the acquisition of Ecotechnics Spa by the American holding Snap-on in 2015, the company Snap-on Climate Solutions Srl was established. Today Ecotechnics brand is distributed in more than 80 countries worldwide through a network of selected and specialised dealers.

A selection of high-end A/C stations has been tested by BMW and meet their requirements regarding filling accuracy and refrigerant analysis (SAE Gas Analyser).

The successful tests lead to a recommendation by BMW in its global trade organization and are accordingly placed online on the BMW information platforms and the sales platform of the BMW sales partner.

www.ecotechnics.com

ECK FLAG is designed for different types of refrigerant. The future oriented standard features, professional leak detection, patented Hybrid function, gas analyser and high-quality components make ECK FLAG a benchmark among the most modern A/C charging stations.



Fully automatic A/C service station for recovery, recycling and charging for HFO1234yf or R134a

- High recovery rate up to 100%
- Large 7" touch screen display for an easy, fast and intuitive navigation
- Energy-saving with 12-volt solenoid valve technology
- Ready for use in 15 seconds after switching on
- Built-in Hybrid feature for the flushing of service hoses and internal circuits. Indispensable for the service on systems with an electric compressor
- High quality hermetic refillable container for oil (1x PAG, 1x POE) and dye
- Refrigerant analyser to detect % of refrigerant components tested: HFO1234yf, R134a, R22, HC hydrocarbons and air. Space-saving and safe thanks to lateral insertion into the machine housing
- Automatic test of the A/C system under pressure with nitrogen or hydrogen/nitrogen mixture
- Automatic purging of non-condensable gases
- Flushing option for efficient flushing of A/C systems and its components
- Large 100 mm manometers for best visibility
- 100 kg dryer filter. No refrigerant loss during maintenance
- 2 large side pockets to comfortably accommodate even longer hoses
- Automatic service hose length compensation up to 6 m or CAR-method
- Wi-Fi connection as standard
- Complete database including commercial and agricultural vehicles
- Status light





Overview of technical specifications

BMW

reference numbers

WORLDWIDE
USA & CANADA
JAPAN

BMW8501930	ECK FLAG HFO
BMW8501931	ECK FLAG R134a
BMW8501933	ECO Next One HFO
BMW8501934	ECO Next One Hybrid (R134a)
BMW8502285	ECK FLAG HFO
BMW8502286	ECK FLAG R134a

The worldwide technical characteristics of ECK FLAG differ for Japan only in the power supply. The voltage here is 100 V 50/60 Hz. All other properties remain unchanged. Specific regulations in the USA and Canada require further adjustments of technical specifications:

ECK FLAG

Type of refrigerant	HF01234yf or R134a
Display	7" colour touchscreen
Service valves	Automatic
Thermal printer	Standard
Hermetic and refillable containers for oil and dye	Standard 2 + 1
Hermetic disposable containers for oil and dye	Standard 2 + 1
Refillable standard containers for oil and dye	Not available
Hoses	3 meters
Data Base Car-Truck-Agri	Standard Car-Truck-Agri
Hybrid function / electrically driven compressors	Standard
Pressure test forming gas / nitrogen	Standard
Gas Analyser	Standard
Connectivity Wi-Fi	Standard
Flushing Kit	Option
Leak check in vacuum	Standard
Non condensable gas purge	Automatic
Voltage	220 - 240V 50/60 Hz
Vacuum pump	100 l/min, vacuum level 0,1 mbar
Sealed compressor	1/3 HP
Recovery speed	300 g/min in liquid phase
Tank Scale resolution	10 gr
Oil scale resolution	5 gr
Working temperature range	11/49° C
Filter system	1 filter for humidity, 100 kg
Refrigerant tank	12 liters refillable
Bottle heater	Standard
Status light	Standard
Dimension / weight	cm 67 x 68 x 108, 77 kg
Dimension / weight with packaging	cm 71 x 74 x 125, 95 kg

ECO NEXT ONE HYBRID, ECO NEXT ONE HFO



Type of refrigerant	R134a: Eco Next One Hybrid HFO: Eco Next One HFO
Display	Touch screen 5"
Service valves	Automatic
Thermal printer	Standard
Hermetic and refillable containers for oil and dye	Not available
Hermetic disposable containers for oil and dye	Not available
Refillable standard containers for oil and dye	Not available
Hoses	10 ft. / 3 meters
Data Base Car-Truck-Agri	Standard (AUTO)
Hybrid function / electrically driven compressors	Standard
Pressure test forming gas / nitrogen	Not available
Gas Analyser	Standard
Connectivity Wi-Fi	Not available
Flushing Kit	Option
Leak check in vacuum	Standard
Non condensable gas purge	Automatic
Voltage	110V 60 Hz
Vacuum pump	100 l/min (3,5CFM)
Sealed compressor	1/3 HP
Recovery speed	300 g/min in liquid phase
Tank Scale resolution	10 gr
Oil scale resolution	-
Working temperature range	11/49° C
Filter system	1 filter for humidity, 100 kg
Refrigerant tank	30 LB
Bottle heater	Standard
Status light	Standard
Dimension / weight	43" x 26" x 28" / 109 x 66 x 71 cm
Dimension / weight with packaging	180 lbs. / 82 kg

FLUSHING KIT BMW8501932

If the compressor or other components of a climate system break down, you must remove any possible residue that may be found in the system before reassembling the equipment. Many compressor manufacturers do not guarantee their new components unless the A/C system is cleaned before installation.

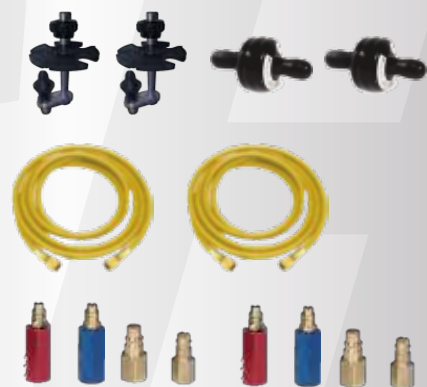
The advantages of this flushing kit are:

1. Environmentally friendly because no solvents are used but only refrigerant
2. Very efficient cleaning thanks to the high washing speed obtained with the vacuum in the tank
3. Patented universal adapters for creating bypasses
4. The amount of refrigerant can be defined by the user (washing a component rather than a system)
5. Time-saving and efficiency thanks to the fast process and fully automatic cycles



Scope of delivery

- Large 6,5 L tank for an high flow rate
- 2 patented universal adapters
- Check valves – HFO connection
- Check valves – R134a connection
- 20 micron filter to remove also small particles
- 2 x Connecting hoses yellow (from A/C system to the tank and service hose)
- Set HP Adapters BMW (1 x HFO, 1 x R134a)
- Sight glass with moisture indicator to see refrigerant status
- Oil discharge tap



PART NUMBER SCS

DESCRIPTION

PART NUMBER SCS	DESCRIPTION
KIT017	Maintenance Kit. 1 bottle 500ml of vacuum pump oil + 1 filter FLT5512
TUB1260	Gas sample hose (HFO) for gas analyser and identifier
TUB1263	Gas sample hose (R134a) for gas analyser and identifier
FLT5507	Filter for gas analyser & identifier
FLT8008	Filter for Flushing Kit 20µ (HFO, R134a)
STM0012-KIT	Thermal paper for printer kit 10 pc.



Maintenance Kit.



Gas sample hose



Filter for gas analyser



Thermal paper for printer



Filter for Flushing Kit 20µ



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