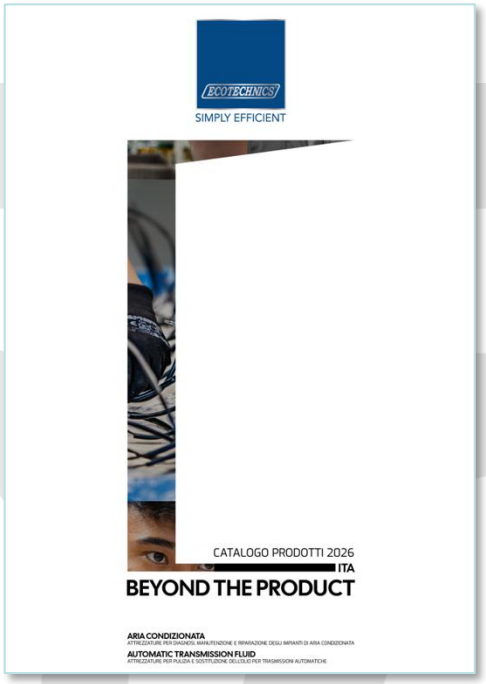


OEM

Trusted by Leading Vehicle Manufacturers

Disclaimer
All automotive original equipment manufacturer (OEM) logos, trademarks, and brand names displayed in this brochure are the property of their respective owners. These logos are used solely for illustrative purposes to indicate the types of passenger vehicles our machines are designed to service. Their inclusion does not necessarily imply any endorsement, affiliation, sponsorship, or recommendation of our products or company by the respective OEM."

OEM APPROVALS AIR CONDITIONING

ECOTECHNICS
SIMPLY EFFICIENT

Some approvals have been obtained on previous models or on A/C Stations ETL certified for the United States

Approvals previous models


ECK TWIN PRO


ECK 3900 Premium


ECK 4000


ECK 4000 HFO

Actual range, equal or higher performing


ECO_2R744


ECK FLAG


ECK NEXT PRO


ECK NEXT


ECK TWIN 12


ECK 4012


ECK 1900 PRO


ECK BUS PRO


ECK LAND


FLUSHING KIT

OEM APPROVALS AIR CONDITIONING

ECOTECHNICS
SIMPLY EFFICIENT









	ECK TWIN 12	ECK FLAG	ECK 4012	ECK NEXT PRO	ECK 1900 PRO	ECK LAND	Flushing kit
BMW		x					x
CLAAS (FRANCE)						x	
HONDA	x[1]		x[2]				
JAGUAR-LAND ROVER	x[1]		x[2]				
JCB						x	
LOTUS CHINA					x		x
MAZDA (COLOMBIA)				x			
MERCEDES-BENZ		R134a					
MERCEDES-BENZ CHINA	x				x		x
MITUBISHI	x[1]		x[2]				
PSA	x[1]		x[2]				
RENAULT	x[1]		x[2]				
SUZUKI ITALIA	x[1]						
TESLA CHINA					x		x
TESLA TAIWAN					x		x
TOYOTA DEUTSCHLAND	x[1]		x[2]				
VOLVO			x[2]				
VOLVO (FRANCE)		x[3]					

1) Approvals obtained on ECK TWIN PRO. ECK TWIN 12 is the evolution of ECK TWIN PRO
2) Approvals obtained on ECK 4000 or ECK 3900 Premium. ECK4012 is the evolution of ECK 4000 and ECK 3900 Premium
3) Approval Volvo France obtained on QTECH IV. ECK FLAG equals QTECH IV, Sun brand

OEM APPROVALS AIR CONDITIONING

2025 range vs approvals previous models: equal or higher performing

1

Approvals obtained on ECK TWIN PRO

➔ **ECK TWIN 12** is the evolution of **ECK TWIN PRO**

Honda, Jaguar, Land Rover, Mitsubishi, PSA, Renault, Suzuki Italia, Toyota Deutschland



ECK TWIN PRO



ECK TWIN 12

2

Approvals obtained on ECK 4000 or ECK 3900 Premium

➔ **ECK 4012** is the evolution of **ECK 4000** and **ECK 3900 Premium**

Honda, Jaguar, Land Rover, Mitsubishi, PSA, Renault, Toyota Deutschland, Volvo



ECK 4000 HFO



ECK 3900 Premium



ECK 4012

3

Approval obtained on QTECH IV

➔ **ECK FLAG** Ecotechnics brand equals **QTECH IV** Sun brand

Volvo France



QTECH IV



ECK FLAG

OEM APPROVALS AIR CONDITIONING

ECOTECHNICS
SIMPLY EFFICIENT

Comparison technical specifications: equal or higher performing actual range

Model	 ECK 4000 ECK 4000 HFO	 ECK 3900 Premium	 ECK TWIN PRO	 ECK 4012	 ECK TWIN 12
Type of refrigerant	HFO1234yf	HFO or R134a	HFO1234yf and R134a	HFO1234yf or R134a	HFO1234yf and R134a
Refrigerant configuration	Not available	Not available	Not applicable	Standard	Not applicable
Volt	220-240V 50/60 Hz	220-240V 50/60 Hz	220-240V 50/60 Hz	220-240V 50/60 Hz	220-240V 50/60 Hz
Vacuum pump	100 l/min	100 l/min	100 l/min	100 l/min	100 l/min
Sealed compressor	1/3 HP	1/3 HP	2 x 1/3 HP	1/3 HP	2 x 1/3 HP
Recovery speed	300 g/min in liquid phase	300 g/min in liquid phase	300 g/min in liquid phase	300 g/min in liquid phase	300 g/min in liquid phase
Display	Touch screen 7''	Graphic colour screen 5''	Touch screen 7''	Touch screen 7''	Touch screen 7''
Tank Scale resolution	10 gr	10 gr	10 gr	10 gr	10 gr
Oil scale resolution	5 gr	5 gr	5 gr	5 gr	5 gr
Oil injection	2	1	2	2	2
Dye injection	1	1	2	1	2
Hermetic and refillable containers for oil and dye	yes	yes	yes	yes	yes
Hermetic disposable containers for oil and dye	yes	yes	yes	yes	yes
Refillable standard containers for oil and dye	Not available	Not available	Not available	Not available	Not available
Pressure test forming gas / nitrogen	Standard	Standard	Standard	Standard	Standard
Hybrid	Standard	Standard	Standard	Standard	Standard
Analizer (KIT.GAS)	Not available	Not available	Not available	Option	Option
Identificatore Gas (XS185.0000 R134 - XS180.0000 HFO)	Option (standard ECK 4000)	Option	Option	Not available	Not available
Connectivity WIFI	Not available	Not available	Not available	Standard	Standard
Working temperature range	11/49 °C	11/49 °C	11/49 °C	11/49 °C	11/49 °C
Filter system	1 filter for humidity (100 kg)	1 filter for humidity (100 kg)	2 filter for humidity (100 kg)	1 filter for humidity (100 kg)	2 filter for humidity (100 kg)
Refrigerant tank	12 liter	22 liter	2x12 liter	12 liter	2x12 liter
Hoses	3 meters	3 meters	2 pairs x 3 meter	3 meters	2 pairs x 3 meter
Automatic service valves	Standard	Standard	Standard	Standard	Standard
Vacuum leak detection	Standard	Standard	Standard	Standard	Standard
Status light	Standard	Standard	Not available	Standard	Not available
Bottle heater	Standard	Standard	Standard	Standard	Standard
A/C diagnosis	Not available	Standard (R134a)	Standard (HFO + R134a)	Standard (HFO + R134a)	Standard (HFO + R134a)
Non condensable gas purge	Automatic	Automatic	Automatic	Automatic	Automatic
Data Base	Standard	Standard	Standard	Standard	Standard
Dimension / weight	cm 55 x 60 x 110, 90 kg	cm 55 x 60 x 110, 90 kg	cm 67 x 65 x 107, 122 kg	cm 55 x 60 x 110, 90 kg	cm 67 x 65 x 107, 122 kg
Dimension / weight with packaging	cm 76 x 70 x 125, 95 kg	cm 76 x 70 x 125, 95 kg	cm 76 x 70 x 125, 135 kg	cm 76 x 70 x 125, 95 kg	cm 76 x 70 x 125, 135 kg

APPROVALS IN UNITED STATES

ECOTECHNICS
SIMPLY EFFICIENT

Approvals obtained on ECO NEXT ONE HYBRID, ECO NEXT ONE HFO, ECO DUAL GAS

➔ **ECK FLAG** and **ECK TWIN 12** are equal or higher performing


ECO NEXT ONE HYBRID


ECO NEXT ONE HFO


ECO DUAL GAS


ECK FLAG


ECK TWIN 12

	ECO NEXT ONE HYBRID	ECO NEXT ONE HFO	ECO DUAL GAS
ACURA			
ALFA ROMEO			
ASTON MARTIN			
AUDI	✔	✔	
BENTLEY			
BMW	Pending	Pending	
BUGATTI			
BUICK	✔	✔	
CADILLAC	✔	✔	
CANOO			Pending
CHEVROLET	✔	✔	
CHRYSLER	✔	✔	
CITROEN			
DES	✔	✔	
DODGE	✔	✔	
FERRARI			
FIAT	✔		
FORD			
GENESIS	Pending	Pending	
GMC	✔	✔	
HONDA			
HYUNDAI	Pending	Pending	
INFINITI	✔	Pending	
JAGUAR			
JEEP	✔	✔	

	ECO NEXT ONE HYBRID	ECO NEXT ONE HFO	ECO DUAL GAS
KIA			
LAMBORGHINI			
LAND ROVER			
LEXUS	✔	✔	✔
LINCOLN			
LUCID			
MASERATI		✔	
MAZDA			
MERCEDES-BENZ			
MG			
MINI	Pending	Pending	
MITSUBISHI	✔	✔	
NISSAN	✔	Pending	
OPEL			
PEUGEOT			
PORSCHE	✔	✔	
RAM	✔	✔	
RENAULT			
RIVIAN			✔
ROLLS ROYCE			
SUBARU			
TESLA	✔	✔	✔
TOYOTA	✔	✔	✔
VOLKSWAGEN	✔	✔	
VOLVO			

APPROVALS IN UNITED STATES

ECOTECHNICS
SIMPLY EFFICIENT

Comparison technical specifications: equal or higher performing worldwide range

Model	 ECO Next One Hybrid	 ECO Next One HFO	 ECO DUAL GAS	 ECK FLAG	 ECK TWIN 12
Type of refrigerant	R134a	HFO1234yf	R134a and HFO1234yf	HFO1234yf or R134a	HFO1234yf and R134a
Refrigerant configuration	Not available	Not available	Not available	Standard	Not available
Volt	110V 60 Hz	110V 60 Hz	110V 60 Hz	220-240V 50/60 Hz	220-240V 50/60 Hz
Vacuum pump	100 L/min (3,5CFM)	100 L/min (3,5CFM)	100 L/min (3,5CFM)	100 l/min	100 l/min
Sealed compressor	1/3 HP	1/3 HP	2 x 1/3 HP	1/3 HP	2 x 1/3 HP
Recovery speed	300 g/min in liquid phase	300 g/min in liquid phase	300 g/min in liquid phase	300 g/min in liquid phase	300 g/min in liquid phase
Display	Touch screen 5''	Touch screen 5''	Touch screen 7''	Touch screen 7''	Touch screen 7''
Tank Scale resolution	10 gr	10 gr	10 gr	10 gr	10 gr
Oil scale resolution	-	-	-	5 gr	5 gr
Oil injection	Not available	Not available	Not available	2	2
Dye injection	Not available	Not available	Not available	1	2
Hermetic and refillable containers for oil and dye	Not available	Not available	Not available	yes	yes
Hermetic disposable containers for oil and dye	Not available	Not available	Not available	yes	yes
Refillable standard containers for oil and dye	Not available	Not available	Not available	Not available	Not available
Pressure test forming gas / nitrogen	Not available	Not available	Not available	Standard	Standard
Hybrid	Standard	Standard	Standard	Standard	Standard
Analizer (KIT.GAS)	Not available	Not available	Not available	Option	Option
Identificatore Gas (XS185.0000 R134 - XS180.0000 HFO)	Not available	Not available	Not available	Not available	Not available
Connectivity WIFI	Not available	Not available	Not available	Standard	Standard
Working temperature range	11/49 °C	11/49 °C	11/49 °C	11/49 °C	11/49 °C
Filter system	1 filter for humidity	1 filter for humidity	2 filter for humidity	1 filter for humidity (100 kg)	2 filter for humidity (100 kg)
Refrigerant tank	30 LB	30 LB	2x30 LB	12 liter	2x12 liter
Hoses	10 ft. / 3 meters	10 ft. / 3 meters	2 pairs, 10 ft. / 3 meters each	3 meters	2 pairs x 3 meter
Automatic service valves	Standard	Standard	Standard	Standard	Standard
Vacuum leak detection	Standard	Standard	Standard	Standard	Standard
Status light	Standard	Standard	Standard	Standard	Not available
Bottle heater	Standard	Standard	Standard	Standard	Standard
A/C diagnosis	Not available	Not available	Not available	Standard (HFO + R134a)	Standard (HFO + R134a)
Non condensable gas purge	Automatic	Automatic	Automatic	Automatic	Automatic
Data Base	Standard	Standard	Standard	Standard	Standard
Dimension / weight	cm 67 x 68 x 108, 82 kg	cm 67 x 68 x 108, 82 kg	cm 67 x 62 x 107, 125 kg	cm 55 x 60 x 110, 90 kg	cm 67 x 65 x 107, 122 kg
Dimension / weight with packaging	cm 76 x 70 x 125, 95 kg	cm 76 x 70 x 125, 95 kg	cm 76 x 70 x 125, 138 kg	cm 76 x 70 x 125, 95 kg	cm 76 x 70 x 125, 135 kg



ECO_2R744
POWERFUL
ROBUST
SAFE

NEW WORKSHOP NEEDS
NEW OPPORTUNITIES

Increased awareness of environmental protection, cost-effectiveness and the efficiency that can be achieved with the properties of R744 refrigerant are further encouraging as a long-term and future-oriented solution in the premium vehicle sector.
A growing number of car manufacturers focus the use of CO2 air conditioning systems in their latest models. Share of CO2 systems is constantly growing. Audi, Ford, Mercedes-Benz and Volkswagen are among main players installing CO2 Airconditioning systems on their premium cars. Others are about to be added.
Henry Ford Academy in Daventry England uses ECO_2R744 stations for their training sessions.
The highly distinctive and extraordinary technical specifications of Ecotechnics ECO_2R744 attracted strongly interest and many OEM workshops have promptly to be equipped with a new CO2 A/C station. For sure our station is the preferred choice. We kindly invite our distributors to catch actively this opportunity and speak with the people of OEM workshops to present and explain the outstanding performance of our new station for R744 refrigerant.

For the ECO_2R744 on-line presentation, brochure download and video tutorial, please click on you preferred language
English, Deutsch, Français, Italiano, Português, Español,

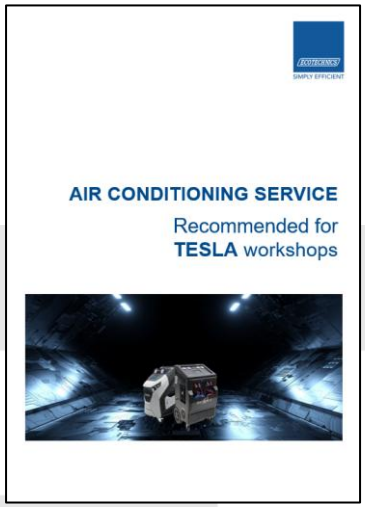


BMW
GLOBAL
RECOMMENDATION

BMW GLOBAL RECOMMENDATION

A selection of high-end A/C stations has been tested by BMW. The successful test result of **ECK FLAG** confirms the high technological standard as a holistic high-end solution to meet current requirements of workshops in professional A/C Service for existing vehicles and new hybrid and electric vehicles.
This leads 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.
ECK FLAG, an innovative experience.

For the BMW brochure download, please click on your preferred language
English, Deutsch, Français, Italiano, Português, Español,



AIR CONDITIONING SERVICE

RECOMMENDED FOR TESLA WORKSHOPS

THE TESLA RECOMMENDATION

The US approval refers to 3 Ecotechnics A/C Service Stations further to Ecotechncis Flushing Kit: ECO NEXT ONE HYBRID, ECO NEXT ONE HFO and ECO DUAL GAS.

This proposal recommends equal or higher performing A/C Stations for the EMEA market **ECK FLAG** and **ECK TWIN 12**, while the Flushing Kit is the same. Additional main standard features, absent in US approval, are the automatic oil and dye injection, the pressure test forming gas / nitrogen, the optional Gas Analyser, the refrigerant configuration R134a or HFO and the WiFi connectivity.
Following the US approval, also Tesla China and Tesla Taiwan tested a selection of A/C Stations. The successful test result of **ECK 1900 Pro** confirms the high technological standard to meet current requirements of workshops.


TSS TOTAL SHOP SOLUTIONS

SALES BULLETIN NO. xx/2020 June 26, 2025

Air Conditioning machines recommended by Mercedes-Benz

Mercedes-Benz published a criteria catalog specifying minimum requirements to be met by any air conditioning machine R134a sold to any of their contractual garages, workshops, or dealerships. An A/C machine meeting the minimum requirements automatically implements the recommendation of Mercedes Benz AG for this type of air conditioning machine.

The following A/C machine from Ecotechnics meets all the MB minimum requirements for R134a.

ECK FLAG

ECK FLAG is designed for different types of refrigerants. The standard features, Wi-Fi connectivity, gas analyzer option, and high-quality components make ECK FLAG a benchmark among the most modern A/C charging stations.

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

- Configuration of the refrigerant during activation with the corresponding activation kit R134a (HFO available, too)
- Large 7" touchscreen display for an easy, fast and intuitive navigation
- Energy-saving with 12-volt solenoid valve technology

AIR CONDITIONING MACHINES

RECOMMENDED BY MERCEDES BENZ

ECK FLAG MEETS ALL MINIMUM REQUIREMENTS

Mercedes-Benz published a criteria catalog specifying minimum requirements to be met by any air conditioning machine R134a sold to any of their contractual garages, workshops, or dealerships.
An A/C machine meeting the minimum requirements automatically implements the recommendation of Mercedes Benz AG for this type of air conditioning machine.

The A/C machine **ECK FLAG** from Ecotechnics meets all the MB minimum requirements for R134a.