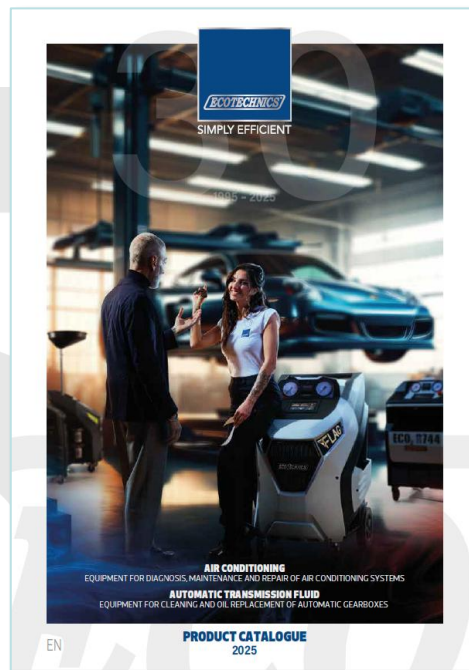




RENAULT



TOYOTA



OEM

Trusted by Leading Vehicle Manufacturers

Disclaimer

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OEM APPROVALS AIR CONDITIONING



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

2025 range, equal or higher performing



ECO₂R744



ECK FLAG



ECK NEXT PRO



ECK NEXT



ECK TWIN 12



ECK BUS PRO



ECK 4012



ECK 1900 PRO



Cinquecento12



ECK LAND



FLUSHING KIT

OEM APPROVALS AIR CONDITIONING



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** Ecotechnic brand equals **QTECH IV** Sun brand

Volvo France






QTECH IV





ECK FLAG

OEM APPROVALS AIR CONDITIONING

Comparison technical specifications: equal or higher performing 2025 range

			
Model	ECK 4000 ECK 4000 HFO	ECK 3900 Premium	ECK TWIN PRO
Type of refrigerant	HFO1234yf	HFO or R134a	HFO1234yf and R134a
Refrigerant configuration	Not available	Not available	Not applicable
Volt	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
Sealed compressor	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
Display	Touch screen 7"	Graphic colour screen 5"	Touch screen 7"
Tank Scale resolution	10 gr	10 gr	10 gr
Oil scale resolution	5 gr	5 gr	5 gr
Oil injection	2	1	2
Dye injection	1	1	2
Hermetic and refillable containers for oil and dye	yes	yes	yes
Hermetic disposable containers for oil and dye	yes	yes	yes
Refillable standard containers for oil and dye	Not available	Not available	Not available
Pressure test forming gas / nitrogen	Standard	Standard	Standard
Hybrid	Standard	Standard	Standard
Analyzer (KIT.GAS)	Not available	Not available	Not available
Identificatore Gas (XS185.0000 R134 - XS180.0000 HFO)	Option (standard ECK 4000)	Option	Option
Connectivity WIFI	Not available	Not available	Not available
Working temperature range	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)
Refrigerant tank	12 liter	22 liter	2x12 liter
Hoses	3 meters	3 meters	2 pairs x 3 meter
Automatic service valves	Standard	Standard	Standard
Vacuum leak detection	Standard	Standard	Standard
Status light	Standard	Standard	Not available
Bottle heater	Standard	Standard	Standard
A/C diagnosis	Not available	Standard (R134a)	Standard (HFO + R134a)
Non condensable gas purge	Automatic	Automatic	Automatic
Data Base	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
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

	
ECK 4012	ECK TWIN 12
HFO1234yf or R134a	HFO1234yf and R134a
Standard	Not applicable
220-240V 50/60 Hz	220-240V 50/60 Hz
100 l/min	100 l/min
1/3 HP	2 x 1/3 HP
300 g/min in liquid phase	300 g/min in liquid phase
Touch screen 7"	Touch screen 7"
10 gr	10 gr
5 gr	5 gr
2	2
1	2
yes	yes
yes	yes
Not available	Not available
Standard	Standard
Standard	Standard
Option	Option
Not available	Not available
Standard	Standard
11/49 °C	11/49 °C
1 filter for humidity (100 kg)	2 filter for humidity (100 kg)
12 liter	2x12 liter
3 meters	2 pairs x 3 meter
Standard	Standard
Standard	Standard
Standard	Not available
Standard	Standard
Standard (HFO + R134a)	Standard (HFO + R134a)
Automatic	Automatic
Standard	Standard
cm 55 x 60 x 110, 90 kg	cm 67 x 65 x 107, 122 kg
cm 76 x 70 x 125, 95 kg	cm 76 x 70 x 125, 135 kg

APPROVALS IN UNITED STATES

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	✓	✓	

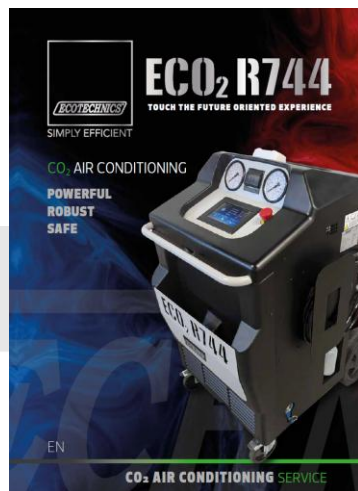
	ECO NEXT ONE HYBRID	ECO NEXT ONE HFO	ECO DUAL GAS
KIA			
LAMBORGHINI			
LAND ROVER			
LEXUS	✓	✓	✓
LINCOLN			
LUCID			
MASERATI		✓	
MAZDA			
MERCEDES-BENZ			
MG			
MINI	Pending	Pending	
MITSUBISHI	✓	✓	
NISSAN	✓	Pending	
OPEL			
PEUGEOT			
PORSCHE	✓	✓	
RAM	✓	✓	
RENAULT			
RIVIAN			✓
ROLLS ROYCE			
SUBARU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

APPROVALS IN UNITED STATES

Comparison technical specifications: equal or higher performing worldwide range

			
Model	ECO Next One Hybrid	ECO Next One HFO	ECO DUAL GAS
Type of refrigerant	R134a	HFO1234yf	R134a and HFO1234yf
Refrigerant configuration	Not available	Not available	Not available
Volt	110V 60 Hz	110V 60 Hz	110V 60 Hz
Vacuum pump	100 L/min (3,5CFM)	100 L/min (3,5CFM)	100 L/min (3,5CFM)
Sealed compressor	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
Display	Touch screen 5"	Touch screen 5"	Touch screen 7"
Tank Scale resolution	10 gr	10 gr	10 gr
Oil scale resolution	-	-	-
Oil injection	Not available	Not available	Not available
Dye injection	Not available	Not available	Not available
Hermetic and refillable containers for oil and dye	Not available	Not available	Not available
Hermetic disposable containers for oil and dye	Not available	Not available	Not available
Refillable standard containers for oil and dye	Not available	Not available	Not available
Pressure test forming gas / nitrogen	Not available	Not available	Not available
Hybrid	Standard	Standard	Standard
Analyzer (KIT.GAS)	Not available	Not available	Not available
Identificatore Gas (XS185.0000 R134 - XS180.0000 HFO)	Not available	Not available	Not available
Connectivity WIFI	Not available	Not available	Not available
Working temperature range	11/49 °C	11/49 °C	11/49 °C
Filter system	1 filter for humidity	1 filter for humidity	2 filter for humidity
Refrigerant tank	30 LB	30 LB	2x30 LB
Hoses	10 ft. / 3 meters	10 ft. / 3 meters	2 pairs, 10 ft. / 3 meters each
Automatic service valves	Standard	Standard	Standard
Vacuum leak detection	Standard	Standard	Standard
Status light	Standard	Standard	Standard
Bottle heater	Standard	Standard	Standard
A/C diagnosis	Not available	Not available	Not available
Non condensable gas purge	Automatic	Automatic	Automatic
Data Base	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
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

	
ECK FLAG	ECK TWIN 12
HFO1234yf or R134a	HFO1234yf and R134a
Standard	Not available
220-240V 50/60 Hz	220-240V 50/60 Hz
100 l/min	100 l/min
1/3 HP	2 x 1/3 HP
300 g/min in liquid phase	300 g/min in liquid phase
Touch screen 7"	Touch screen 7"
10 gr	10 gr
5 gr	5 gr
2	2
1	2
yes	yes
yes	yes
Not available	Not available
Standard	Standard
Standard	Standard
Option	Option
Not available	Not available
Standard	Standard
11/49 °C	11/49 °C
1 filter for humidity (100 kg)	2 filter for humidity (100 kg)
12 liter	2x12 liter
3 meters	2 pairs x 3 meter
Standard	Standard
Standard	Standard
Standard	Not available
Standard	Standard
Standard (HFO + R134a)	Standard (HFO + R134a)
Automatic	Automatic
Standard	Standard
cm 55 x 60 x 110, 90 kg	cm 67 x 65 x 107, 122 kg
cm 76 x 70 x 125, 95 kg	cm 76 x 70 x 125, 135 kg



ECO₂R744 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.

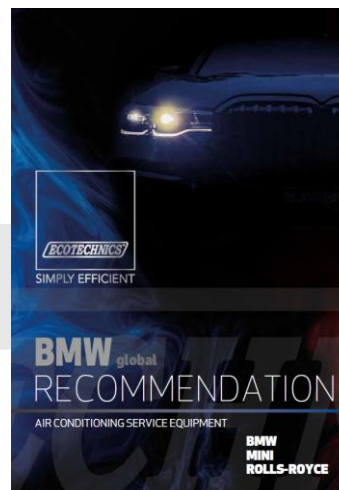
A growing number of car manufacturers focus the use of CO₂ air conditioning systems in their latest models. Share of CO₂ systems is constantly growing. Audi, Ford, Mercedes-Benz and Volkswagen are among main players installing CO₂ Airconditioning systems on their premium cars. Others are about to be added.

Henry Ford Academy in Daventry England uses ECO₂R744 stations for their training sessions.

The highly distinctive and extraordinary technical specifications of Ecotechnics ECO₂R744 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 ECO₂R744 on-line presentation, brochure download and video tutorial, please click on you preferred language

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BMW GLOBAL RECOMMENDATION

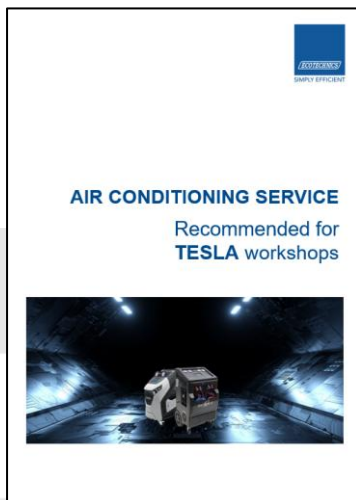
BMW GLOBAL RECOMMENDATION

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

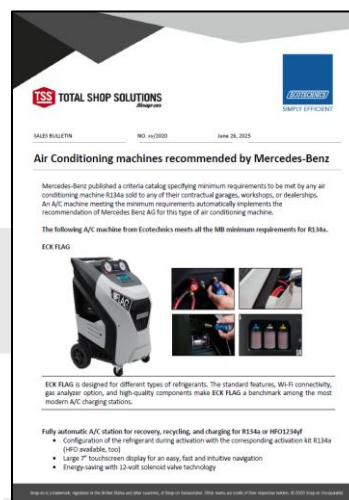
RECOMMENDED FOR TESLA WORKSHOPS

THE TESLA RECOMMENDATION

The US approval refers to 3 Ecotechnics A/C Service Stations further to Ecotechnics 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.



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.