

ECK TWIN PRO

BLACK LINE FOR HFO1234yf and R134a

Best expression of the technological and functional competences of Ecotechnics in the "Black-Line" design. Two devices in one as the simple, fast, clean and safe solution for climate service on R134a or HFO1234yf systems.

ECK-Twin-Pro – Fully automatic A/C service station “full optional” for recovery, recycling and recharging with the refrigerants R134a and HFO1234yf. The high refrigerant recovery rate ensures today's undeletable contribution to environmental protection.

ECK-Twin-Pro - Ensures the purity of the refrigerant through two different circuits for each refrigerant. Two compressors, two sets of service hoses, two dry filters and separate service valves are the basis for the purity of the refrigerants and a quick operational readiness for service. Mixing of the two refrigerants is thus excluded and the machine is permanently safe.

ECK-Twin-Pro - Intuitive and user-friendly operation of the machine via a 7" colour touchscreen. The user is guided very easily during the operation supported by pictures and help texts. The menu navigation is something special in its user-friendliness and guides even inexperienced users safely through the air conditioning service.

ECK-Twin-Pro - Clean handling of compressor oil of various standards and types. There are two hermetic and refillable containers for the respective refrigerant installed. The user is independent of the supplier, has a high level of user comfort, is future-oriented and excludes moisture absorption through hygroscopy of the oil media.

ECK-Twin-Pro - The patented hybrid function guarantees the efficient and complete cleaning of service hoses, service couplings and internal connections. After self-cleaning with the hybrid function, all compressor oil residue from the service lines is eliminated and the machine is clean and safe for the next application.

ECK-Twin-Pro - The pressure test with forming gas or nitrogen provides optimum security and is factory standard. The test gas is fed into the machine via a connection with a maximum pressure of 15 bar. Via a menu item in the software, the operator can check the vehicle air conditioning system in overpressure. The holding time and the threshold value for the pressure loss test are specified by the operator in the settings. After the check, the logging takes place and a report is printed out.

ECK-Twin-Pro - The workshop-oriented design is user-friendly, space-saving, enables agile moving in the workshop and makes maintenance work on the machine very easy. The high-quality materials make the machine resistant to kicks and strikes.

ECK-Twin-Pro - Flexibility and upgrade with HFO1234yf gas identification. The machine can be upgraded within 10 minutes with our gas identification device, thus protecting the machine from contaminated refrigerants. This aims to reach advantages in safety, environmental protection and helps to avoid unexpected costs due to repair service of the contaminated machined. An increasing aspect for the investment in A/C service stations.

ECK-Twin-Pro - Valuable and automated in any detail! The compensation of the service hose length takes place automatically. Service couplings ("puff free") with dead space ventilation prevent refrigerant loss when releasing the service coupling and thus protect our environment. The pressure sensors can be calibrated automatically. The discharge of the "non-condensable" gases from the internal tank is automatic.

ECK-Twin-Pro - Technology for the benefit of the workshop. The special solution from Ecotechnics for the workshop of today and tomorrow. The fully equipped A/C service station with all the solutions to a safe and professional service with the refrigerant HFO1234yf and a powerful device for service with the refrigerant R134a.



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Type of refrigerant	R134a and R1234yf
Voltage	220-240V 50/60 Hz
Vacuum pump	100 l/min, vakuüm level 0,1 mbar
Sealed compressor	2 x 1/3 HP, high pressure
Recovery speed	300 g/min in liquid phase
Scale resolution	10 gr
Oil scale resolution	5 gr
Working temperature range	11/49 °C
Filter system	2 filter for humidity
Refrigerant tank	2x12 liters refillable
Hoses	2 pairs, 3 meters each
Puff free couplers	Standard
Service procedure	fully automatic or manual
Automatic service valves	Standard
Hybrid function / electrically driven compressors	Standard
Pressure test forming gas / nitrogen	Standard
Display	7" colour touchscreen
USB port	Standard
Thermal printer	Standard
Hermetic and refillable containers for oil and dye	Standard 2 + 2
Hermetic disposable containers for oil and dye	Option
Refillable standard containers for oil and dye	not available
Pressure gauges	Class 1
Tank temperature sensor	Standard
Bottle heater	Standard
Automatic air purge	Standard
Dimension / weight	cm 67 x 62 x 107 kg 122
Dimension / weight with packaging	cm 91 x 72 x 126 kg.132



STANDARD



NITROGEN



TOUCH SCREEN 7"



4 SEPARATE LINES



HYBRID



«PUFF FREE» COUPLERS

OPTIONS



FLUSHING KIT



GAS IDENTIFIER



HERMETIC AND REFILLABLE CONTAINERS



SANIFLUX