

ECK BUS-PRO

ECOTECHNICS FOR R134a

Ecotechnics special product for the refrigerant R134a. The performance parameters of the ECK BUS-PRO follow increased capacities, which are necessary for use on buses and trains.

ECK-BUS-PRO – Fully automatic A/C service station for recovery, recycling and recharging with the refrigerant R134a on very large A/C systems, such as those installed in buses and trains. The high refrigerant recovery rate of more than 95% ensures today's undeletable contribution to environmental protection. The service valves are operated manually.

ECK-BUS-PRO - The patented and compact aluminium recovery unit is a great advantage. During the recovery phase, a lot of heat is generated and the refrigerant is cleaned of mechanical residues, oil, acid and water and stored in the internal tank. The patented recovery unit shortens internal lines and paths, increasing efficiency and reliability. Even at high outside temperatures and very strong use, the operating speed does not decrease during the recovery phase. A/C service stations from Ecotechnics work at outside temperatures from +11 °C to + 49 °C degrees.

ECK-BUS-PRO - The special refrigerant high-pressure gear pump and the very large refrigerant storage tank, make working on very large A/C systems with its correspondingly high refrigerant quantities easy and fast.

ECK-BUS-PRO – Easy to use. The alphanumeric display guides the operator through the logical and professional menu navigation. The data input is made on a separate keypad with additional function buttons. The menu navigation is Ecotechnics-like and guides even inexperienced operators safely through the A/C service.

ECK-BUS-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 A/C 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-BUS-PRO - Practical and fast! The menu-driven service hose length is compensated by running A/C system after recharging and the A/C pressure test. The pressure sensors can be easily calibrated. The discharge of the "non-condensable" gases from the internal tank takes place automatically. Thermal printer, static diagnostics, as well as strong and professionally designed components, create this high-end special A/C service station.

ECK-BUS-PRO – The A/C system pressure test can be worked out very quickly by the manual service valves and helps to measure up the A/C system.

ECK-BUS-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.



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Type of refrigerant	R134a
Voltage	220-240V 50/60 Hz
Vacuum pump	170 l/min, vakuüm level 0,1 mbar
Sealed compressor	21 cm ³ , 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 filters for humidity
Refrigerant tank	40 liters refillable
Hoses	6 Meter
Puff free couplers	not available
Service procedure	fully automatic or manual
Automatic service valves	not available
Hybrid function / electrically driven compressors	not available
Pressure test forming gas / nitrogen	Standard
Display	LCD alphanumeric mm 146 x 82,5
USB port	Standard
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	Standard 1+ 1
Pressure guages	Class 1
Tank temperature sensor	Standard
Bottle heater	not available
Automatic air purge	Standard
Dimension / weight	cm 80 x 84 x 115, 127 kg
Dimension / weight with packaging	cm 91 x 91 x 126, 137 kg



GEAR PUMP
For fast refrigerant charging (1000 gr / min)



NITROGEN
Integrated Nitrogen or forming gas leak detection with connection for external tank



USB – PORT
For software and data base