ECO_2 R744

Touch the future oriented experience

ECOTECHNICS
SIMPLY EFFICIENT

ECO_2R744 has been developed for the specific safety and high-pressure requirements of R744 air conditioning systems. The device is distinguished by high-quality and powerful components, future-oriented standard features and extremely intuitive user friendliness via the 7" touchscreen.

Fully automatic air conditioning service unit for emptying, servicing and filling R744 air conditioning systems

- Simple, fast and highly intuitive navigation on a 7” touchscreen with Linux operating system. Navigation is extremely easy through images, icons, short texts and the virtual keyboard
- Ready for use in 15 seconds after switching on
- Absolutely safe: software guided processes include all necessary control instructions and constant monitoring of the CO2 concentration in the atmosphere
- Integrated Hybrid feature for the flushing of service hoses and internal circuits. Indispensable for the safe service on systems with an electric compressor
- Very powerful 142 l / min double-stage vacuum pump guarantees a highly efficient vacuum phase for drying the system, particularly important for CO2 systems
- Heating system with manual setting option for extended heating speeds up filling process and helps to save time
- Management of 3 high-quality, hermetic, refillable containers for compressor oil (1x PAG and 1x POE) and dye (included in the scope of delivery)
- Automatic pressure test with nitrogen or hydrogen/nitrogen mixture
- 3 m service hoses for a smart connection to the vehicle
- Large pressure gauges 100 mm
- Status light
- Easy changing of R744 tanks of different sizes, protection cover and fastening with Swift safety belt
- Refrigerant bottles: gross weight max 50 kg, recommended height 70 – 120 cm, diameter 17,8 – 20,3 cm, refrigerant capacity 10 – 20 kg, tara max 30 kg.
- Connection to the bottle: hose 1 m, RAC8164 adapter W21, 7x1/14“ – ¼ SAE male, RAC8165 adapter W21, 8x1/14“ – ¼ SAE male
- Magnetic temperature sensor to connect the refrigerant bottle (also in case of aluminium)
- Quick plug-in connection for CO2 discharge hose (PA12 8x10 mm, TUB1259)
- Efficient internal ventilation against icing of internal components
- Online update via USB interface or directly in Wi-Fi connection
- Generous storage compartment for accessories
- Very service-friendly
- Very robust structure for best protection of the station
- Convenient and cost-effective due to low maintenance needs and minimal use of consumables
- Environmentally friendly packaging made of wood and paper without the use of polystyrene



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Type of refrigerant	R744
Refrigerant configuration	Not applicable
Display	7'' colour touchscreen
Service valves	Automatic
Thermal printer	Standard
Vacuum leak detection	Standard
Hybrid function / electrically driven compressors	Standard
Pressure test forming gas / nitrogen	Standard, max pressure 100 bar
Gas Analyser	Not applicable
Flushing Kit	Not applicable
Hermetic and refillable containers for oil and dye	Standard 2 + 1
Hermetic disposable containers for oil and dye	2 + 1
Refillable standard containers for oil and dye	Not available
Hoses	3 meters
Quick couplers	SAE J639
Pressure gauges	100 ø mm
Recharge method	CAR
CO2 measurement discharged	Standard
Safety Sensor environmental CO2 level	Standard
Non condensable gas purge	Not applicable
Volt	220-240V 50/60 Hz (CE), 110V 60 Hz (ETL)
Vacuum pump	142 l/min double stage, 3 Pa / 0,03 mbar
Sealed compressor	Not applicable
Recovery speed	Not applicable
Refrigerant tank	No internal tank. Scale max gross weight 50 kg
Bottle heater	Standard with setting option for extended heating
Tank Scale resolution	10 gr
Oil scale resolution	5 gr
Working temperature range	10/48 °C
Filter system	Not applicable
Status light	Standard
Data Base	Base + custom records
Connectivity Wi-Fi	Standard
Dimension / weight	cm 67 x 88 x 110, 99 kg
Dimension / weight with packaging	cm 73 x 110 x 135, 124 kg, no double stacking



100 mm pressure gauges
7'' Touchscreeen
Thermal printer
Status Light
Safety Switch



Quick couplers
SAE J639
Hybrid function



3 hermetic refillable containers (1 x PAG, 1 x POE, 1 x dye)



Very powerful 142 l / min double-stage vacuum



Nitrogen pressure test



Double scale lock easy to reach