KONFORT 744 for CO_2



KONFORT 744 is approved and recommended by:

Mercedes-Benz

www.texa.com

TEXA


KONFORT
744
CO2
TEXA

The perfect solution for servicing and recharging the new CO_2 air conditioning systems

TEXA is universally recognised as one of the undisputed leaders in equipment for garages and vehicle repair shops. TEXA's product range includes diagnostic tools, exhaust gas analysers and air conditioning system servicing and recharging stations. In particular, TEXA is recommended by many of the most prestigious European vehicle manufacturers. TEXA's strengths reside in high-tech production processes, robustness and quality finish. TEXA developed the new KONFORT 744 in conjunction with the automotive Constructor. The new station therefore conforms to the strictest industry standards governing air conditioning maintenance and recharge systems for the new R744 (CO_2) refrigerant.
These new systems are intended to minimise pollution and to reduce the risk of fire in the event of leaks, and are radically different in design from previous generations of recharge station that used R134a and R1234yf refrigerants. In particular, because the new systems are designed to function at high pressures, dedicated recharge stations are needed to work with them.



TEXA is once again leading the field in developing the necessary technology: The KONFORT 744 is one of the very few solutions available to the international market to work with CO_2 A/C systems.

KONFORT 744

The KONFORT 744 implements a range of innovative solutions and differs from the other models in the KONFORT Series for the fact that it is designed and made specifically for use with the latest A/C systems that use R744 (CO_2) as refrigerant.
Despite its advanced design, however, the KONFORT 744 is just as easy to operate as its more conventional counterparts dedicated to R134a and R1234yf refrigerants. The station is fully automatic and able to complete the recharge cycle without any assistance from the operator. It also achieves the highest possible levels of precision. In fact, the quality of its components and the accuracy of its design permit recharging to be completed to a maximum tolerance of only 10 grams (2 grams for oil).
Special attention has also been paid to the system for releasing CO_2 into the atmosphere. Release takes place in a controlled manner to ensure the safety of the operator and of the system itself. The KONFORT 744 also incorporates an accurate system for measuring the concentration of CO_2 in the surrounding air, and suspends charging if this approaches a dangerous level.







Main characteristics

- Compatible with R744 refrigerant (CO_2)
- High visibility TFT colour display
- CL1 pressure gauges
- Double stage vacuum pump
- Hoses 2.5 m
- Charging accuracy +/- 10 g
- Hermetically sealed, anti-contamination oil tanks (patent pending)
- Automatic, high precision oil injection
- Automatic oil tank recognition (patent pending)
- Automatic metering of refrigerant release
- Automatic monitoring of atmospheric CO2 concentration
- Scales locking system
- Thermal printer
- Automatic maintenance service management
- Multi-language software
- Automatic compensation for length of recharging lines
- Automatic maintenance alarm
- Functioning modes:

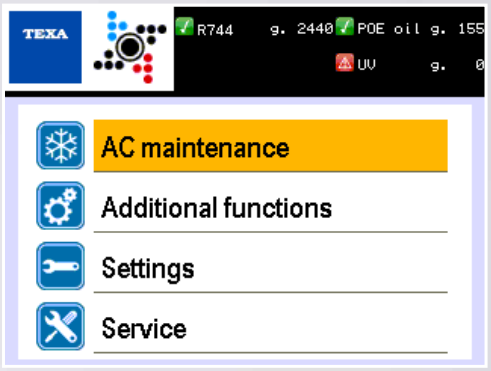
- PERSONALISED SERVICE
- MY DATABASE

Optional:

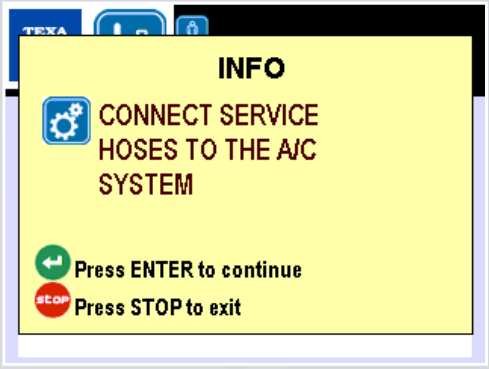
- Leakage detection kit with forming gas

Operating software

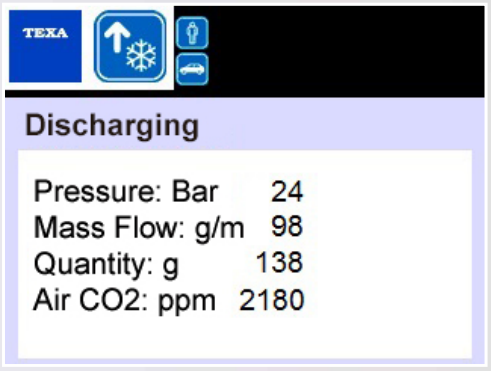
The operating software conforms to the strictest standards for precision and accuracy. Thanks to an extensive network of sensors, TEXA software can identify refrigerant types and perform recharging operations with unprecedented precision. Automatic procedures help operators to service the most sophisticated systems, like those found on the latest hybrid vehicles, for example. Removable memory (SD cards) can be used with all models to communicate with a Windows PC, to check and certify maintenance operations, and to upgrade software when necessary.



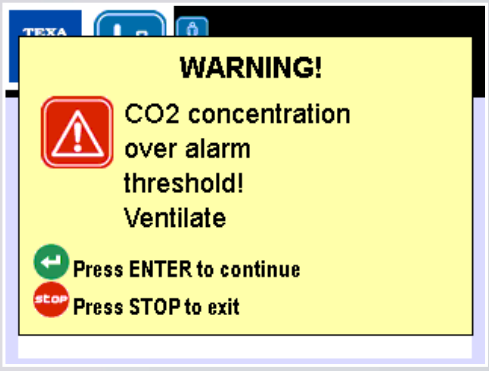
The main menu is designed for quick and intuitive use and to provide access to all services and functions.



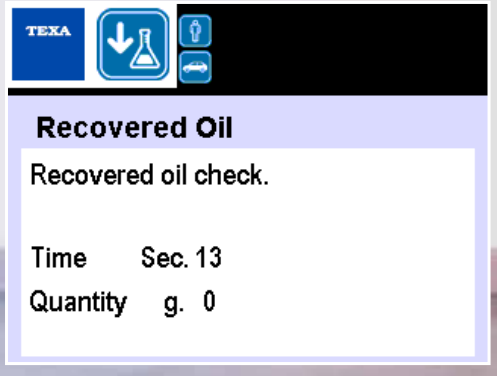
Clear and comprehensive messages guide you through the initial steps of the recharging process.



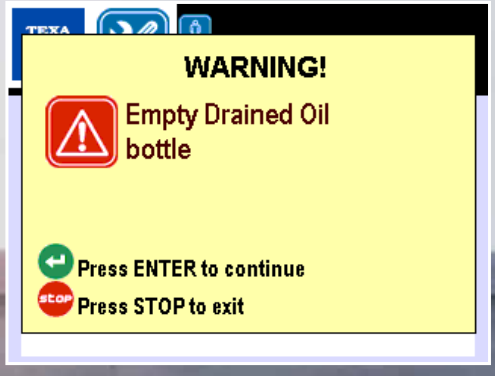
During refrigerant release, the display shows the quantity of refrigerant released and the pressure remaining in the system.



TEXA's operating software also warns you if the atmosphere in the work area becomes unsafe as a result of the release of CO_2.



An electronic scales lets you weigh the quantity of oil recovered during services to a high level of accuracy.



The recharge stations identifies all possible errors and warns you immediately through clear messages.

Exclusive standard solutions

Hermetically sealed, rechargeable oil tanks



Standard tanks are not sealed and therefore inevitably contain a certain amount of air. The water molecules contained in this air bond with the oil and contaminate it. TEXA's solution to this problem is to use special, patented tanks that are sealed to prevent contamination of the oil by air and humidity. TEXA's special tanks can be recharged again and again, thanks to a special device that eliminates all the remaining air before refilling.

Special automatic leakage detection for CO_2

The 744 automatically checks for leaks in the vehicle's air conditioning circuit before it starts the recharge cycle. Leaks can also be traced using a special leakage detection system based on forming gas, a mix of 95% nitrogen and 5% hydrogen. An external sniffer can be used to locate leaks easily.

Thermal printer

The recharge station incorporates a thermal printer to provide detailed reports on all the operations performed.




C2
D1



Production and quality certified. ISO TS 16949 system quality

The KONFORT 744 clearly reflects the tremendous care that TEXA takes throughout the design stage, in the selection of materials, the adoption of new technologies and the automation of production. All the processes involved in product development and manufacture conform to ISO TS 16949, the strict standard imposed on suppliers to the automotive industry.

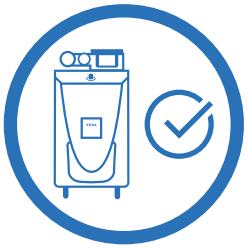
Maximum product quality is ensured in all phases, from the design and selection of components to machining and assembly and on to distribution and after-sales service.

After assembly, KONFORT recharge stations enter TEXA's testing department where the electrical system is tested and the load cells and pressure transducers calibrated. Functional testing is then performed to verify that all components and devices respond correctly to input and perform according to specifications. Rigorous testing also eliminates the risk of defects in the hydraulic system and ensures that all parts are effectively sealed. The final stage of testing takes place in a special sealed chamber and involves the injection of helium into the tank and the recharge circuit. The KONFORT 744 conforms to European CE/PED safety standards and to the strict standards demanded by German car makers.


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After Sales Service

Customers purchasing a KONFORT recharge station enjoy all the benefits of advanced technology and can also rely on TEXA as a professional and dependable partner. TEXA boasts an extremely efficient, nationwide After Sales Service. Our Service Partners are highly qualified and continuously updated in the use of TEXA tools and the latest technical assistance methods.
TEXA's After Sales Services for KONFORT 744 A/C stations include:



Station installation and activation



Maintenance



Initial on-site training



Warranty

24 months after the setup



Premium partner service

Selected by TEXAthroughout the national territory

TEXA

TEXA was established in Italy in 1992, and today is one of the world's leading names in the design and production of multibrand diagnostic and telediagnostic tools, exhaust gas analysers and air conditioning maintenance stations.

TEXA operates virtually all over the world through an extensive distribution network. In Spain, France, Great Britain, Germany, Brazil, the United States, Poland, Russia and Japan, TEXA markets its products directly through its own subsidiaries. TEXA employs some 600 people around the world, including over 100 engineers and specialists working in Research and Development.

TEXA has won many international awards over the years, including the Innovation Award at Automechanika in Frankfurt (2010 and 2014), the "Award of Awards" for the most innovative company in Italy, presented by the President of the Republic, Giorgio Napolitano (2011), the Irish Automotive Innovation Award (2014) and the Golden Key Award in Moscow (2014 and 2015). In 2015, MIT Technology Review classed TEXA as one of the ten most "disruptive" companies in Italy. Also in 2015, TEXA won the Frost & Sullivan "European Commercial Vehicle Diagnostics Customer Value Leadership".

All TEXA tools are designed, engineered and built in Italy, using modern automated production lines which guarantees maximum precision. TEXA focuses careful attention on product quality, and has obtained certification in accordance with the strict ISO TS 16949 requirements for suppliers of original equipment to the automotive industry.

WARNING

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To check on IDC5 compatibility and minimum system requirements, go to: **www.texa.com/system**

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