

A/C CART

AC DUALPLUS



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AC DUALPLUS

1 REVISION OF THE MANUAL

This document is the operating manual for the product: AC DUALPLUS

Document Review Number: 01

Date of Issue: 23/04/2025

INFORMATION	<i>Read this manual before using the product.</i> <i>Read the documents carefully whenever the General Risk symbol is shown.</i>
 	

2 INTRODUCTION

Dear Customer,

thank you for choosing this product for your workshop.

We are certain that you will get the greatest satisfaction from it and receive a great deal of help in your work.

Please read through the instructions in this manual carefully and keep it for future reference.

Reading and understanding the following manual will help you avoid damaging things and injuring people due to an improper use of the product it refers to.

We reserve the right to make any changes deemed necessary to improve the manual for any technical or marketing requirement, at any time and without prior notice.

This product is intended to be used exclusively by technicians specialised in the Automotive industry. Reading and understanding the information in this manual cannot replace adequate specialised training in this field.

The sole purpose of the manual is to illustrate the functioning of the product sold. It is not intended to offer technical training of any kind and technicians will therefore carry out any interventions under their own responsibility and will be accountable for any damage or personal injury caused by negligence, carelessness, or inexperience, regardless of the fact that this tool has been used following the information contained in this manual.

Any additions to this manual, useful in describing the new versions of the program and the new functions associated to it, may be sent to you through the technical bulletin service.

This manual is to be considered an essential part of the product to which it refers to. If it is resold, the original buyer is therefore required to forward the manual to the new owner.

Reproduction, whole or in part, of this manual in any form without written authorisation by the manufacturer is strictly forbidden.

The original manual was written in Italian, every other language is a translation of the original manual.

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3 USER SOFTWARE INSTRUCTIONS

NOTICE



The software products cannot be developed to work without any margin of error with respect to all the possible applications and uses; furthermore, the updated software versions could introduce imprecisions that were not in the previous version. The licensee accepts this possibility.

INFORMATION

The pictures shown in this manual are only examples and refer to the software version that is available at the time of writing.

Any specific functions for a particular model are indicated in the text.

3.1 Selections and Data Entry

All functions can be selected by pressing the related icon / item on the touchscreen.

Specific options can be selected / deselected by acting on the related "switch" .

Certain software functions require data to be entered manually (numerical values, names, etc.). For this reason, the software has specific editable fields.

Simply press on the editable field to display, based on the field, an alphanumeric keyboard or a numeric keypad that can be used to enter the desired data.

3.2 Password

Certain functions are protected by passwords with different levels of protection.

The **password** reserved for the operator is: **1236**

INFORMATION

The functions that cannot be accessed with this password are for technical assistance personnel or retailers only.

3.3 Performing Guided Procedures

Some software functions have a guided procedure.

The software guides the operator through the procedure execution by means of specific displayed messages.

Some messages provide precise information regarding the operations to be performed.

NOTICE

In order to complete the various operations successfully, you must carefully follow the software indications and read and understand the Technical Manual.

3.4 Error signals

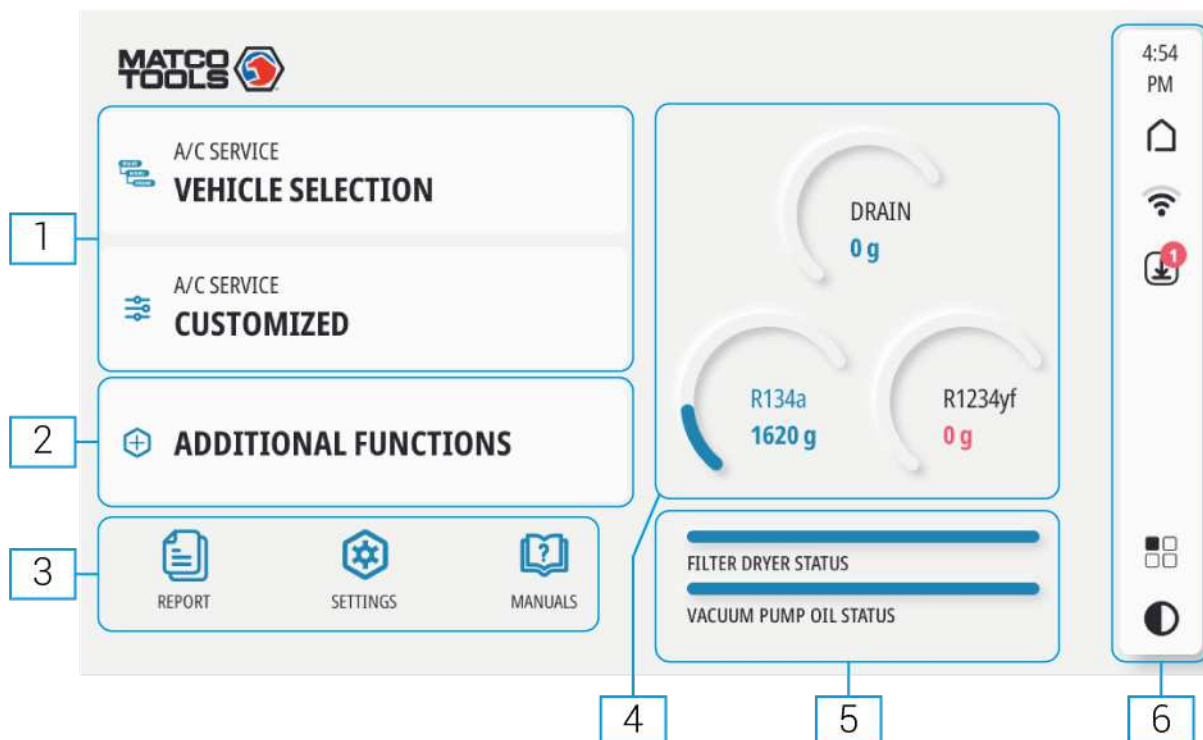
The software shows the possible errors by means of specific displayed messages.

Some messages indicate which icons must be pressed to proceed with the procedure.

INFORMATION

The error messages shown during the execution of a recharging service require to select whether to continue the current phase or not.

4 HOME



1. A/C SERVICE

VEHICLE SELECTION

Guided selection of the vehicle to be serviced in the **Vehicle Database** or in the personal database **My Database**.

The values relating to the various phases (quantity, duration, mode, etc.) will be pre-set at the end of the selection.

CUSTOMISED

Manual selection of the A/C system service phases and setting of the related values (quantity, duration, mode, etc.).

2. ADDITIONAL FUNCTIONS

- *Tank filling*
- *Scale check*
- *Total and resettable counters*
- *Partial counters*
- *System check*
- *Non-condensable gas*

3. **SERVICE FUNCTIONS**

REPORT

SETTINGS

- *Wi-Fi*
- *Display*
- *Accessories*
- *Mobile App*
- *Language and zone*
- *User data*
- *Software version*
- *Activation status*
- *Advanced settings*

MANUALS

4. **TYPE AND QUANTITY OF FLUIDS**

5. **STATUS OF CONSUMABLES**

6. **SYSTEM INFORMATION AND FUNCTIONS**



It allows you to return to the HOME screen.



It allows you to access the Wi-Fi communication configuration functions.¹



It allows you to access the update search and download page.



It allows you to access the charging station's activation screen.



It allows you to access the applications screen.



It allows you to change the screen colour, from light mode to dark mode and vice versa.

⁽¹⁾ For further information see the *SETTINGS* chapter.

4.1 Updates available

This function allows you to access the update search and download page. It indicates the status of the updates and if there are any updates available. Press **Search for updates** to start searching for new updates available. Press **Get** to download the corresponding update.



Wait for the download to complete.

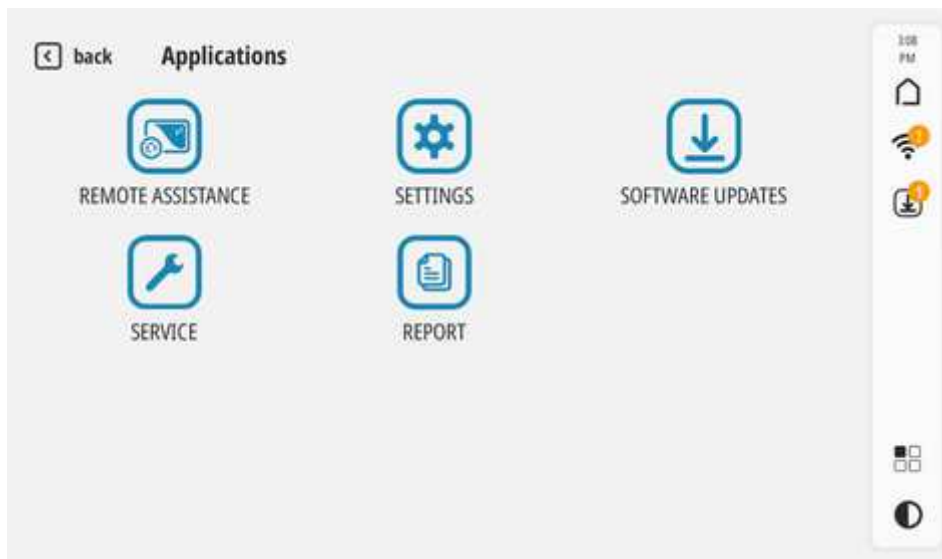
Press **Update now**.

Wait for the procedure to end.

Follow on screen instructions

4.2 Applications

This function allows you to access the screen containing the applications.



Name	Function
REMOTE ASSISTANCE	It allows you to launch the software for remote assistance.
SETTINGS	It allows you to access the various settings of the charging station. ¹
SOFTWARE UPDATES	It allows you to access the update search and download page.
SERVICE	It allows you to access the charging station service functions. ²
REPORT	It allows you to access the list of saved reports and print the desired report among the available ones.

⁽¹⁾ For further information see the *SETTINGS* chapter.

⁽²⁾ For further information, see the *SERVICE* chapter.

NOTICE

The **REMOTE ASSISTANCE** function allows you to launch a specific software that makes it possible for the charging station to be controlled remotely.

This way, the Technical Assistance operators can provide support in troubleshooting and identifying the causes of abnormal behaviours.

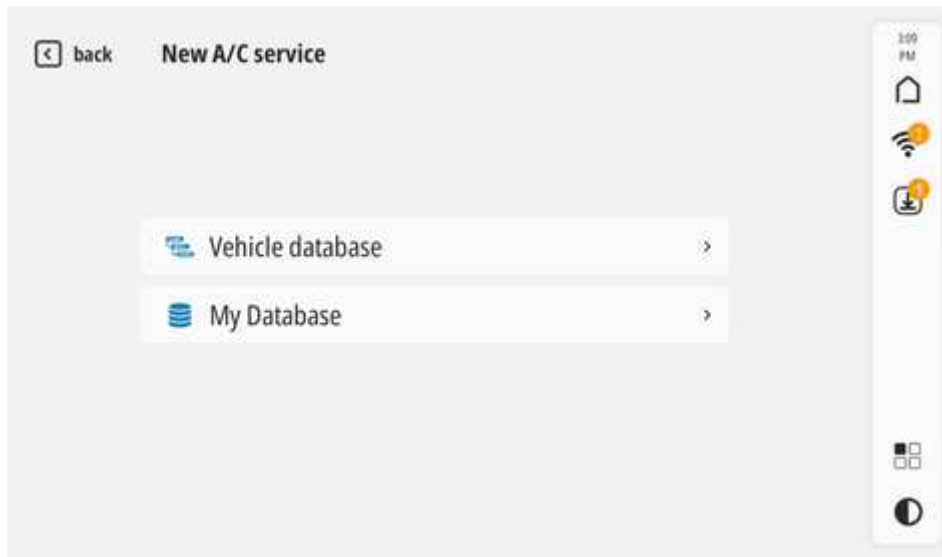
The charging station must be connected via Wi-Fi to a network with access to the Internet.

This function must only be used if indicated by and under the supervision of Technical Assistance.

5 VEHICLE SELECTION

The selection of the vehicle to be serviced can be carried out in two databases:

- *Vehicle Database*
- *My Database*



5.1 Database Veicoli

This function allows selecting the vehicle to be serviced from the Vehicle Database and starting the related standard service procedure.



A complete vehicle selection requires:

- *make*
- *model*
- *rpm*
- *vehicle code*
- *variant*

These items make up the selection levels.

NOTICE



The A/C system re-charging is performed according to the data contained in the database.

Database use is related to the right identification of the vehicle and type of A/C system to be serviced.

Data reported refer to the original A/C systems (first installation) and not to the A/C systems afterwards installed (post-installation).

Refer to the technical data provided by the manufacturer for the unoriginal A/C systems.

INFORMATION

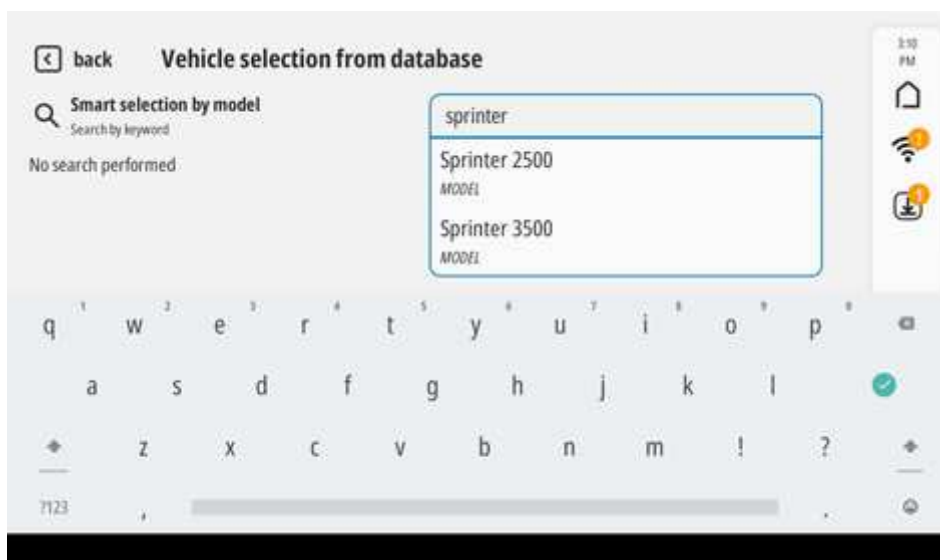
Before using the database, it must be unlocked by entering a specific countercode.

Unblocking is necessary when you first start the equipment or after a database updating.

The selection from the Vehicle Database can be:

SMART SELECTION

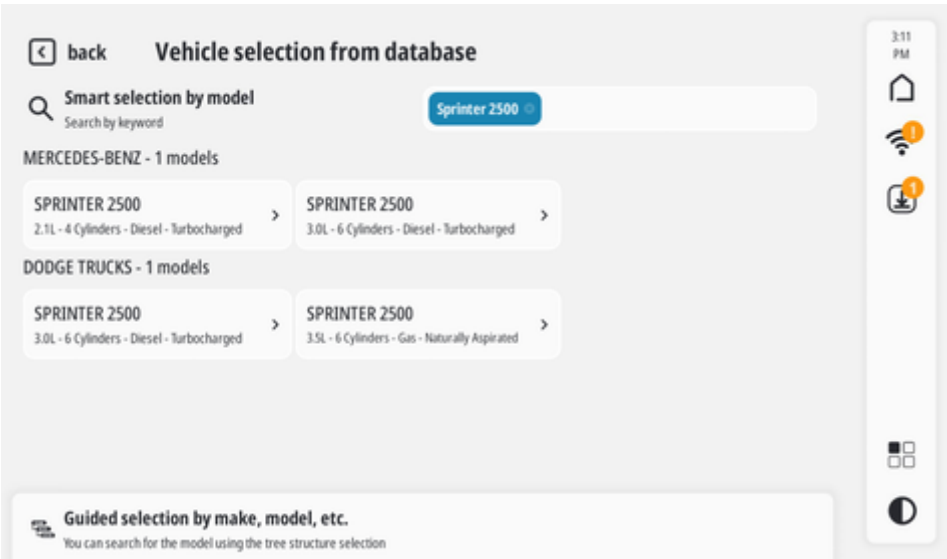
The software searches inside the database according to the text entered in a specific editable field (e.g.: vehicle make, model, manufacturing year, etc.).



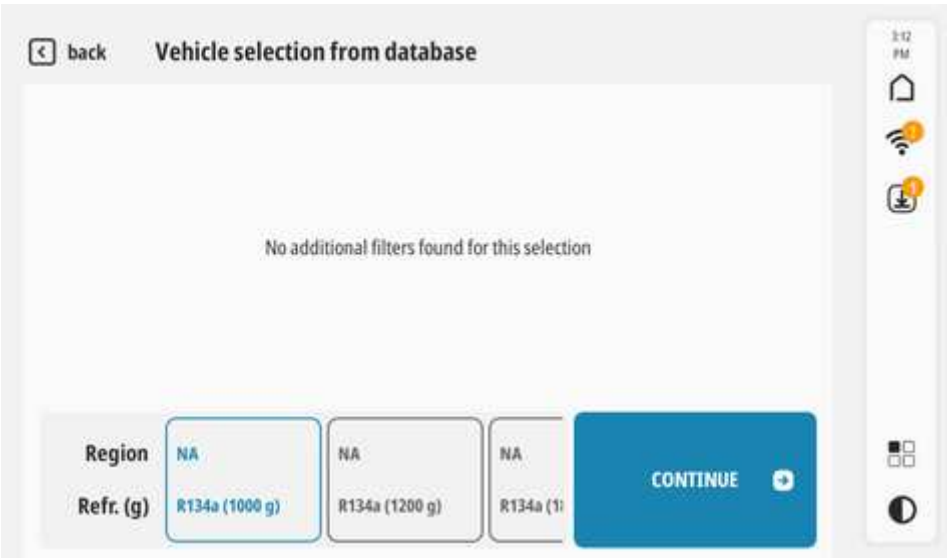
INFORMATION

The displayed result depends on the entered text.

Example: If you enter "Sprinter", you will get the automatic selection of the make (Mercedes) and model (Sprinter 2500). To complete the vehicle selection, you must continue and indicate: engine, vehicle code and variant.



To complete the vehicle identification, the missing levels must be selected. The button **Continue** will become selectable once the selection is complete.



You can now enter the customer and vehicle data.
Press **Confirm** to access the service start screen.

Customer and vehicle data entry

back

Name

Last name

License plate number or VIN

Odometer

Additional information

CONFIRM

1:32 PM

Home

Wi-Fi

Download

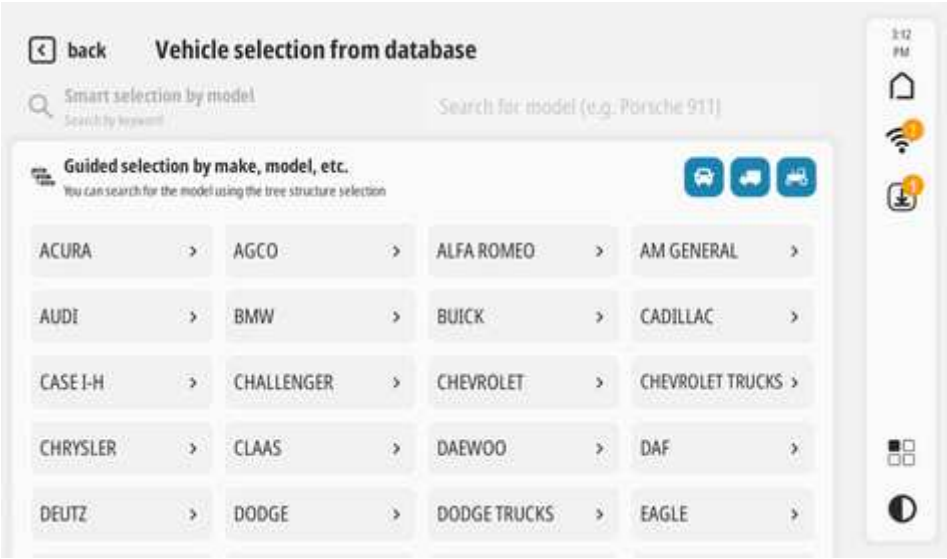
Grid

Moon

For more information see the SERVICE START chapter.

GUIDED SELECTION

The software allows you to select each selection level manually.



The selection is complete when an item has been selected for each of the stages suggested.

INFORMATION

In order to go from one selection level to the next you must first complete the level you are currently in.

Example: The model level cannot be selected without selecting the make level first.

The button **Continue** will become selectable once the selection is complete.



You can now enter the customer and vehicle data.
Press **Confirm** to access the service start screen.

Customer and vehicle data entry

back

Name

Last name

License plate number or VIN

Odometer

Additional information

CONFIRM

1:32 PM

Home

Wi-Fi

Download

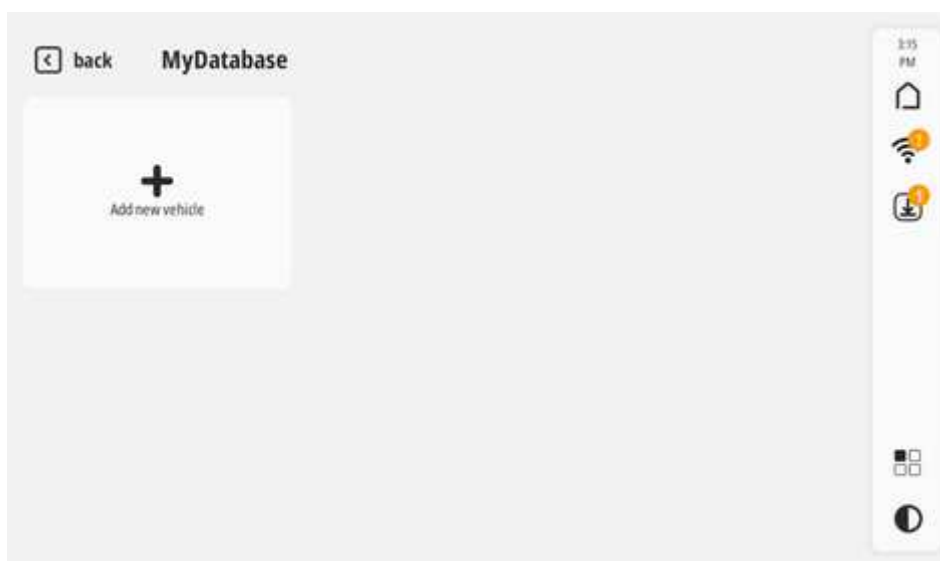
Grid of four squares

Moon

For more information see the SERVICE START chapter.

5.2 My Database

This function allows you to create a database with customised services.

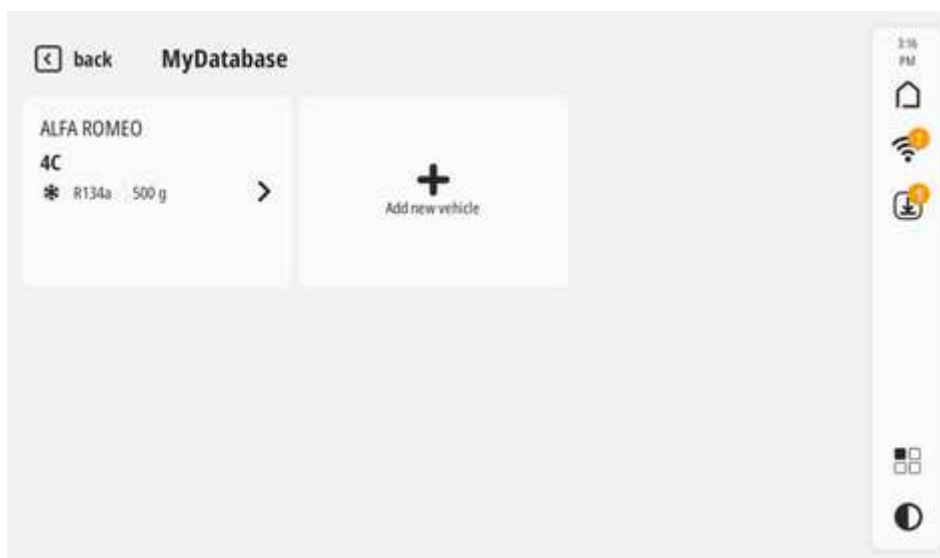


For each new technical sheet, you must fill in the **Vehicle data** fields.

You can also specify the type of recharging service using the **System characteristics** fields.

A screenshot of a mobile application interface titled 'myDatabase vehicle entry'. At the top left, there is a 'back' button with a left-pointing arrow. The form is divided into two main sections: 'Vehicle data' and 'System features'. Under 'Vehicle data', there are two input fields: 'Make' with the value 'ALFA ROMEO' and 'Model' with the value '4C'. Below these is a 'Notes' field. Under 'System features', there is a 'Refrigerant type' section with two buttons: 'R134a' and 'R1234yf', where 'R1234yf' is selected. To the right of these buttons is a minus sign and a plus sign. In the center, there is a text input field with the value '500'. Above this field is the label 'Amount of refrigerant (g)'. At the bottom of the form is a large blue button labeled 'SAVE' with a right-pointing arrow. On the right side, there is a vertical toolbar containing icons for home, signal strength, download, a grid, and a moon (theme toggle). The top right corner shows the time '3:16 PM'.

For each service there is a technical sheet that indicates the data related to the vehicle and to the type of service.

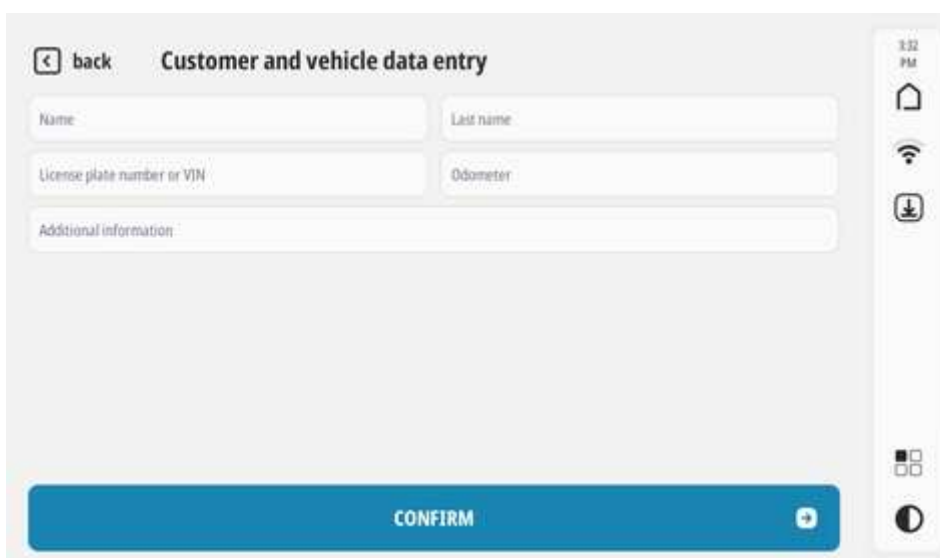


The function allows you to edit and delete any of the created technical sheets by keeping pressed on it.

To select the desired technical sheet, simply press on it.

You can now enter the customer and vehicle data.

Press **Confirm** to access the service start screen.



For more information see the SERVICE START chapter.

6 CUSTOMISED

This function allows you to select each phase of the A/C system service and set the related values (quantity, duration, mode, etc.).

The A/C system is recharged based on the data set by the operator.

The first screen allows you to enter the customer and vehicle data.

Press **Confirm** to access the service start screen.

INFORMATION

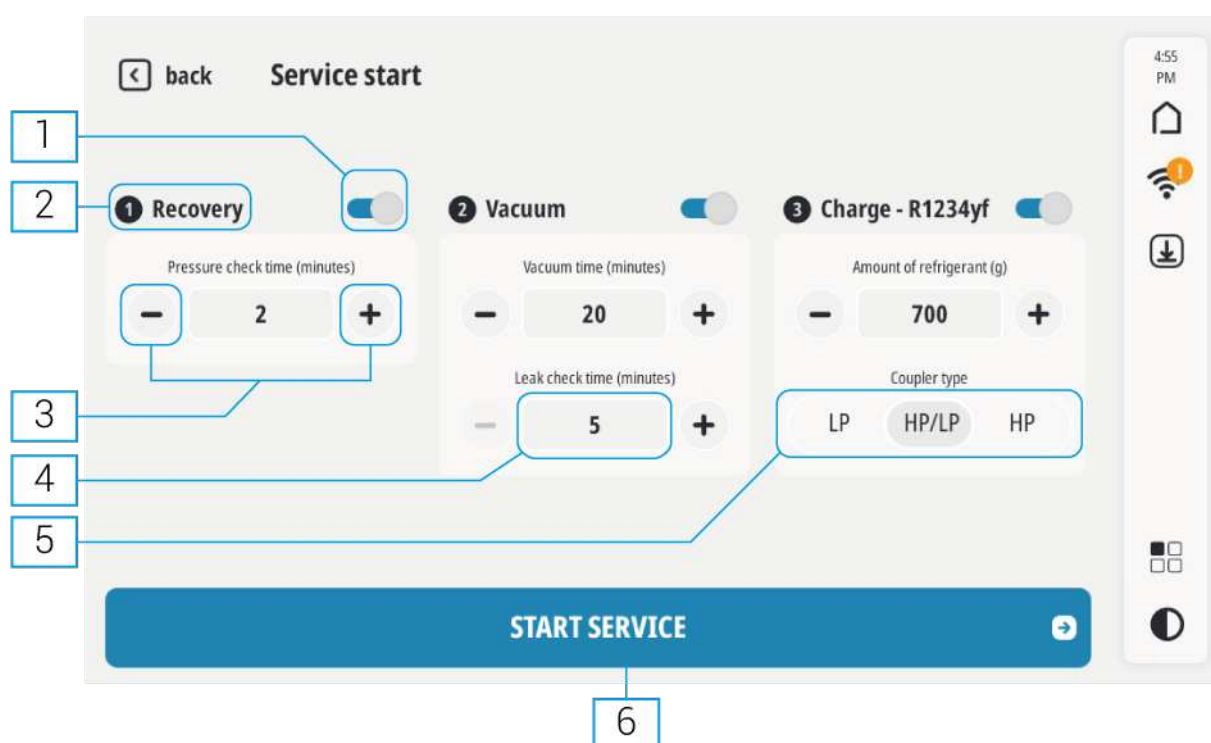
You must select which refrigerant you wish to use.

For more information see the SERVICE START chapter.

7 SERVICE START

The displayed data and the operations that can be carried out in the **Service start** screen depend on the type of service you wish to perform:

Vehicle database	The phases to perform and the related values are pre-set based on the database contents relating to the selected vehicle. However, you can select / deselect certain phases and edit certain values.
My Database	The phases that can be performed and the related values are pre-set based on the values entered by the operator when creating the vehicle's technical sheet. However, you can select / deselect certain phases and edit certain values.
Customised	You must select which phases to perform and specify the time, mode and quantity (as required) for each of them.



1. Phase selection / deselection
2. Phase
3. Decrease / increase
4. Quantity / value (editable field)
5. Multiple-choice fields
6. Start service

7.1 Service Phases

1. RECOVERY

In this phase, the refrigerant is discharged from the vehicle's A/C system and stored in the charging station's internal tank.

	Vehicle database	The phase cannot be deselected. The phase parameters are pre-set and cannot be changed.
	My Database	The phase cannot be deselected. The phase duration is parameterised by the software.
	Customised	The phase can be deselected. The phase parameters must be manually set by the operator.

2. VACUUM

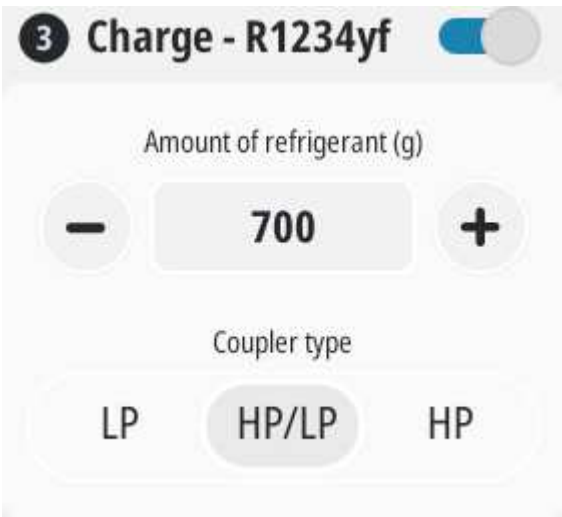
In this phase, the non-condensable gases and humidity within the vehicle's A/C system are evacuated by means of the vacuum pump.

During this phase, a leak check is carried out on the A/C system to check for leaks.

	Vehicle database	The phase cannot be deselected. The phase parameters are pre-set and cannot be changed.
	My Database	The phase cannot be deselected. The phase parameters are calculated by the software based on the amount of refrigerant to recharge and cannot be changed.
	Customised	The phase can be deselected. The phase parameters must be manually set by the operator. The vacuum time can be set to 0, this way the phase is activated and only the leak check is performed.

3. REFRIGERANT CHARGE

In this phase, the charging station inputs the refrigerant inside the vehicle's A/C system in order to restore the proper amount recommended by the manufacturer.

	Vehicle database	The phase can be deselected. The phase parameters are pre-set and generally they cannot be changed.
	My Database	The phase can be deselected. The phase parameters are calculated by the software based on the amount of refrigerant to recharge and cannot be changed.
	Customised	The phase can be deselected. The phase parameters must be manually set by the operator. You must select the fittings that will be used for the refill. • LP/HP connections: <i>the A/C system recharging is made by means of both LP/HP connections.</i> • HP connection: <i>the A/C system recharging is made only by means of the HP connection.</i> • LP coupler: <i>the A/C system is recharged through the LP coupler only.</i>

NOTICE

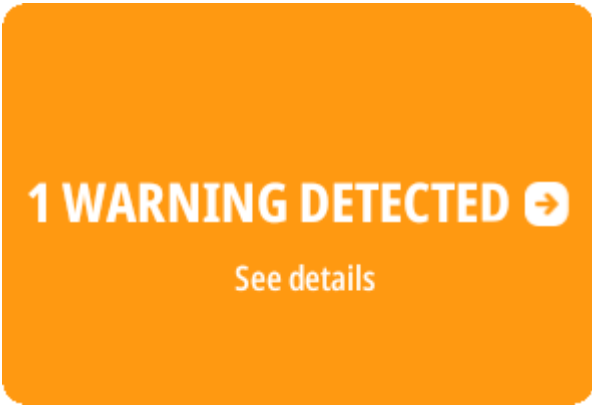
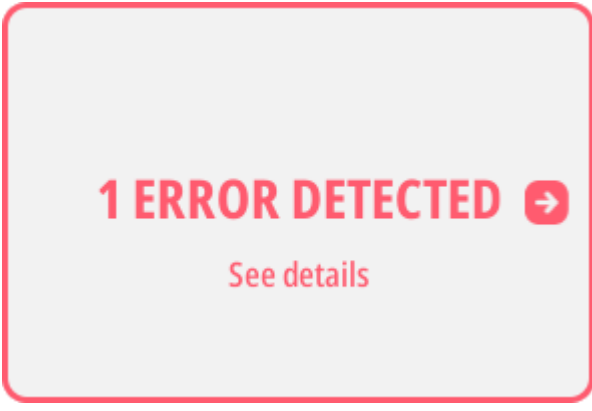
Using a different refrigerant from the one inside the A/C system may compromise the system's efficiency.

Only use the type of refrigerant inside the vehicle's A/C system.



4. START SERVICE

The status of this icon changes based on any errors / warnings found before the service starts.

	No errors / failures. The charging station is ready. By pressing the icon, the A/C system recharging service is started.
	There is (at least) one warning (e.g.: not enough oil). By pressing the icon you can obtain further information about the warning. It is possible to proceed with the A/C system recharging service in any case.
	There is (at least) one error (e.g.: not enough refrigerant). The phase affected by the error is highlighted in red. By pressing the icon you can obtain further information about the error. It is not possible to proceed with the A/C system recharging service.

8 A/C SYSTEM RECHARGING SERVICE

The A/C system recharge is started by pressing **START SERVICE** at the end of the vehicle / desired service type selection.

Times and modes will follow the settings in the SERVICE START screen.

The software guides the operator step by step throughout the recharging procedure with specific messages on the screen indicating the operations to perform (e.g.: connect couplers, open valves, etc.).

INFORMATION

*To continue with the procedure, you must perform the operations required by the on-screen messages and only afterwards press **Continue**.*

*The procedure can be interrupted at any time by pressing **Stop**.*

The main phases of the recharging service are indicated below.

After pressing **START SERVICE**, the internal cleaning of the charging station is launched.

INFORMATION

This operation is performed only if the refrigerant you wish to use (e.g.: R1234yf) is different from the one used in the previous recharging service (e.g.: R134a).



Then, the identification of the refrigerant in the vehicle's A/C system is started.



The identification result can be one of the following:

1. **REFRIGERANT IS PURE**

The refrigerant inside the A/C system is compliant with the one set for the recharging service.
It is possible to proceed with the recharging service.

2. **REFRIGERANT IS NOT PURE**

The refrigerant inside the A/C system is contaminated.
If you press **Continue**, the software warns that it is not possible to proceed with the recovery.
The hoses must be disconnected.
The service is terminated.

3. **REFRIGERANT IS PURE BUT INCORRECT**

The refrigerant inside the A/C system (e.g.: R1234yf) is not the one set for the recharging service (e.g.: R134a), however it is pure.
If you press **Continue**, the software warns that it is not possible to proceed with the recovery and the service is terminated.
The hoses must be disconnected.
The service is terminated.

INFORMATION

It is possible to know the status of the charging station and get more detailed information about the refrigerant being analysed.

Proceed as follows:

*Press and drag upwards **View status**.*

Once the refrigerant identification has shown a positive result, it is possible to proceed with the A/C system recharging service.



INFORMATION

The software allows skipping some phases of the recharging service by pressing **Skip**.

This way, the procedure moves on to the immediately following phase without stopping the recharging service.

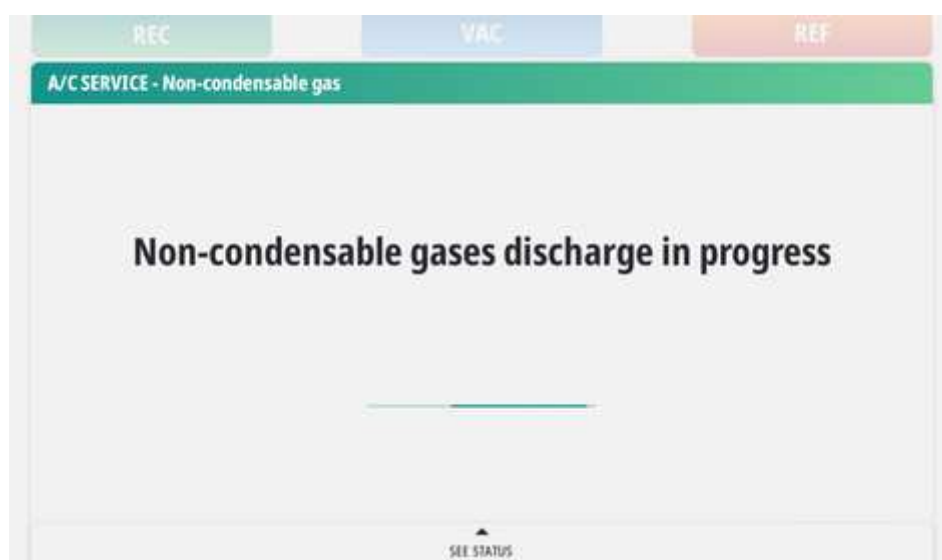
The phase of refrigerant **recovery** from the A/C system is carried out.



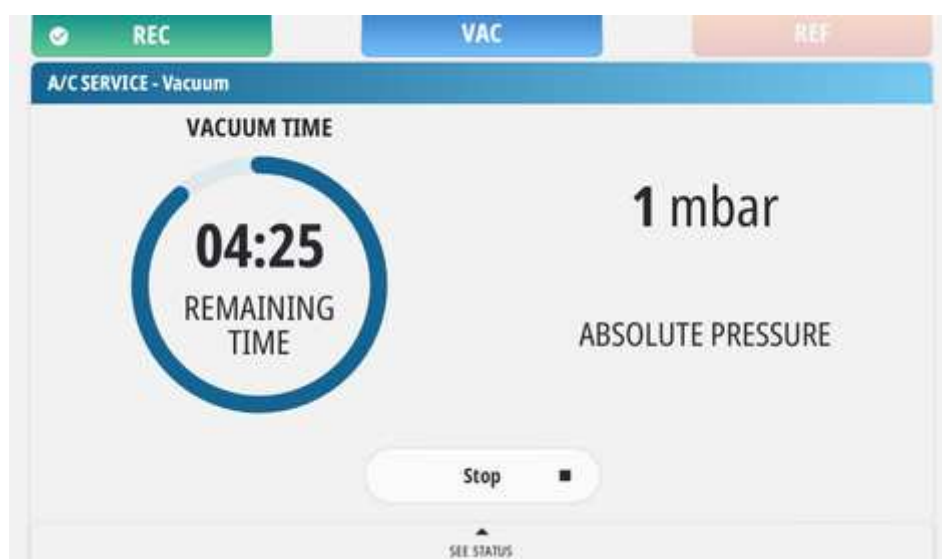
The oil drain is carried out.



The non-condensable gases, if present, will be discharged.



The **vacuum** phase in the system made up of charging station and A/C system is carried out.



The vacuum phase is completed by a **leak check**.

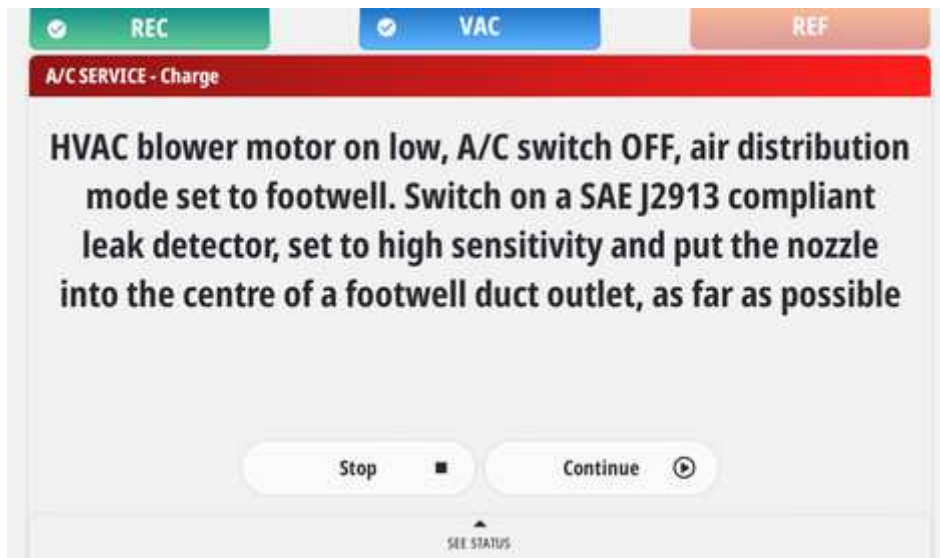


The **refrigerant charge** phase is carried out.

In accordance with the SAE J2843 regulation, the equipment performs a refrigerant pre-charge for 15 % of the previously set value.



The software requires you to check for possible refrigerant leaks.



INFORMATION

The procedure requires using a leak detector that is compliant with the regulation SAE J2913.

The test result can be one of the following:

1. **NO LEAKS WERE FOUND**

It is possible to proceed with the recharging service.

2. **LEAKS WERE FOUND**

It is not possible to proceed with the recharging service.

The charged refrigerant is recovered.

The service is terminated.

If no leaks are found, the refrigerant charge will resume automatically.



Once the refrigerant charging phase is complete, it is possible to carry out the system check.



INFORMATION

The system can be checked in the following modes:

- *manual: evaluation by the operator of the values read on the charging station pressure gauges.*
- *automatic: use of the A/C System Efficiency Check Kit.*

In both cases, you must start the vehicle and set the A/C system to max.

Then the service hose cleaning and the charging station's internal cleaning will be performed.

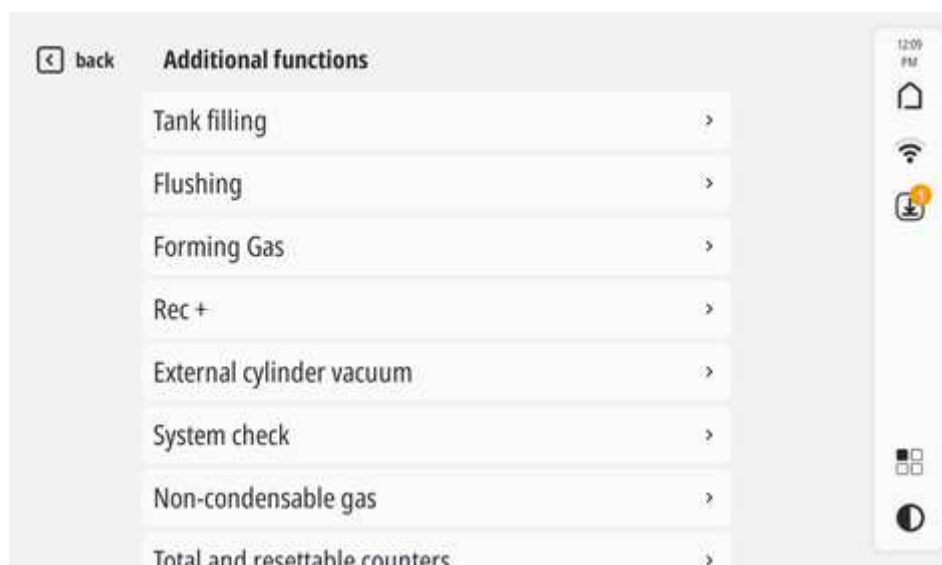
The A/C system recharging service is complete.

The service report can be printed and/or shared.



9 ADDITIONAL FUNCTIONS

This menu allows you to access the charging station's additional functions.



The available functions are:

Name	Function
Tank Filling	It allows starting the guided procedure for filling the internal refrigerant tank.
Flushing	It allows to start the guided procedure of cleaning of the A/C system.
Forming Gas ¹	It allows pressurising the A/C system to check its sealing under pressure.
REC+	It allows recovering the contaminated refrigerant from the vehicle's A/C system.
External Cylinder Vacuum	It allows preparing an external cylinder to recover the contaminated refrigerant.
System Verification	It allows you to start the automatic A/C system check procedure.
Non-condensable gases	It allows you to check for the presence of non-condensable gases and it eventually starts the discharge procedure.
Total and Resettable Counters	It allows displaying the data related to the total and resettable counters.
Partial Counters	It allows monitoring the charging station's use over time.
Scale check	It allows to start the guided procedure of verification of the internal scale calibration.
Oil Scale Reset	It allows you to start the guided procedure for resetting the oil scales.
Cylinders Management ¹	It allows managing the intended use of the bottles.

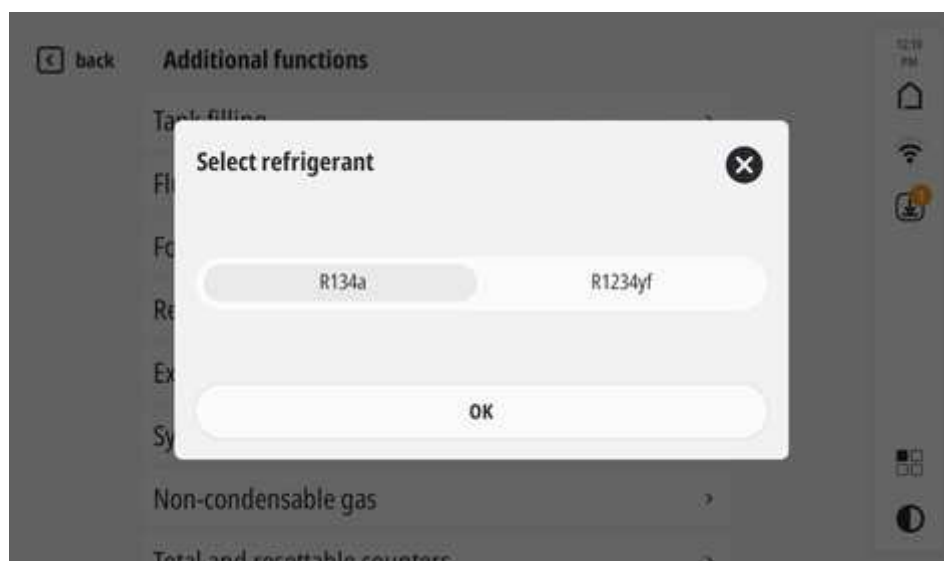
(¹)Not available on the following models: 707 TOUCH / 707 OFF ROAD TOUCH / 710 TOUCH / 712 TOUCH

INFORMATION

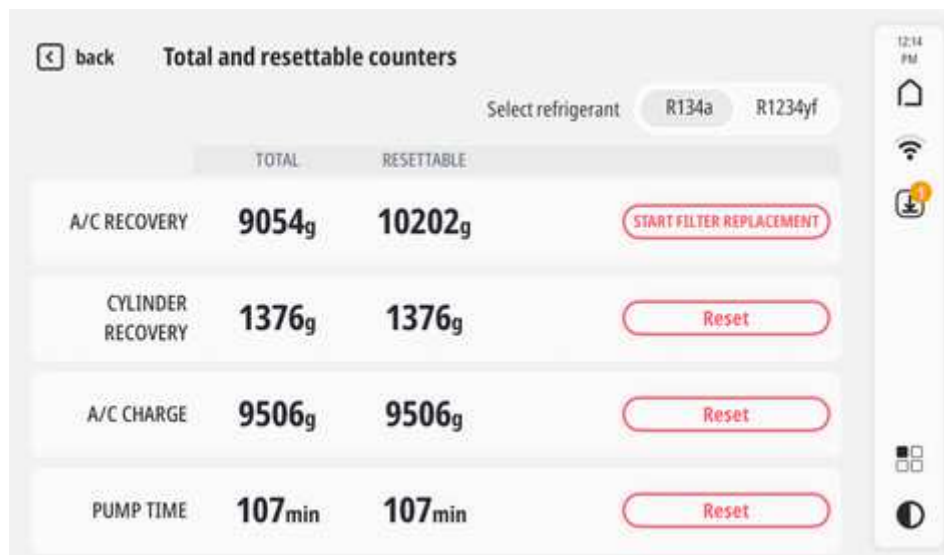
For certain functions you will be asked to indicate the type of refrigerant.

en

The selection can be made with a pop-up proposed by the software.



Or through a specific selector within the screen itself.



INFORMATION

Some functions are only available on specific models.

In that case, the related menu item is not displayed.

9.1 Tank Filling

This function allows starting the guided procedure for filling the internal refrigerant tank.

NOTICE



Only use the specific refrigerant for the GAS KIT the charging station is equipped with, or in any case the one selected before starting the procedure.

The software guides the operator step by step through the procedure with specific on-screen messages.



9.2 Flushing

This function allows to start the guided procedure of cleaning of the A/C system.

The function allows to use the coolant contained in the equipment tank as a cleaning agent to eliminate, where possible, the lubricant, the UV tracer and the solid residues from the A/C system.

INFORMATION

In order to carry out this function, the specific FLUSHING KIT (optional) must be installed on the charging station.

NOTICE



The KIT is appropriate for use on cars, commercial vehicles and truck cabins.

The KIT is NOT appropriate for use on BUS or industrial A/C systems.

The software allows you to input:

- *Customer data*
- *Vehicle data*

It is possible to indicate the number of repetitions to perform.

The software guides the operator step by step through the procedure with specific on-screen messages.

The screenshot shows a mobile application interface for a 'Flushing' service. At the top left, there is a 'back' button with a left arrow icon. The title 'Flushing' is displayed in bold. Below the title, the form is organized into sections: 'Customer data' with input fields for 'Name' and 'Last name'; 'Vehicle data' with a field for 'License plate number or VIN'; and 'Flushing data' with a 'Repetitions' field set to '1' and '+' and '-' buttons. At the bottom, a large blue button labeled 'START SERVICE' with a right arrow icon is visible. On the right side of the screen, there is a vertical status bar showing the time '12:11 PM', a home icon, a Wi-Fi icon, a download icon with a notification bubble, and a bottom dock with a grid icon and a moon icon.

9.3 Forming Gas

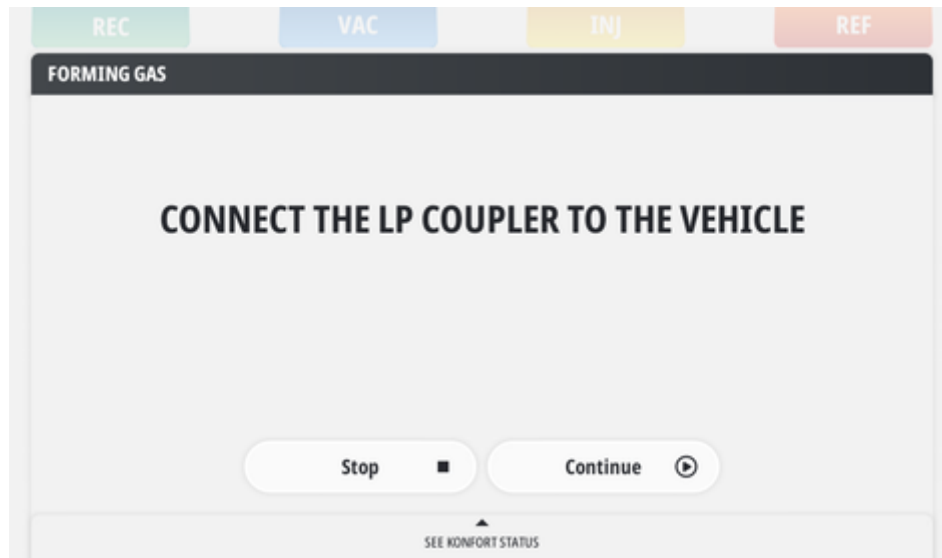
This function allows pressurising the A/C system to check its sealing under pressure.

INFORMATION

In order to carry out this function, you must have the following:

- *FORMING GAS KIT*
- *FORMING GAS CART*
- *H2 Detect electronic leak detector*

The software guides the operator step by step through the procedure with specific on-screen messages.



9.4 REC+

This function allows recovering the contaminated refrigerant from the vehicle's A/C system.

INFORMATION

In order to carry out this function, you must have the following:

- REC+

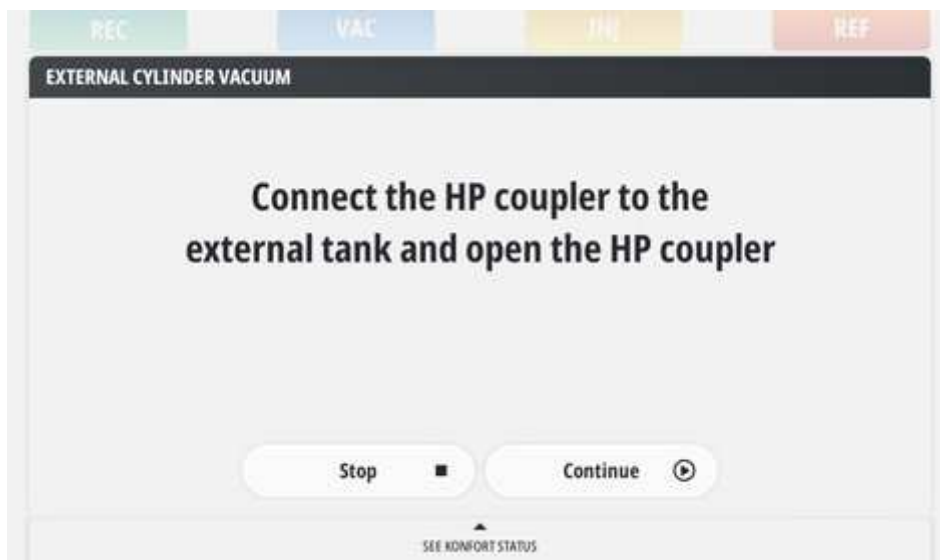
The software guides the operator step by step through the procedure with specific on-screen messages.



9.5 External Cylinder Vacuum

This function allows preparing an external cylinder to recover the contaminated refrigerant.

The software guides the operator step by step through the procedure with specific on-screen messages.



9.6 System Verification

This function allows you to start the A/C system check procedure.

NOTICE

The diagnostic messages provided by the charging station must be considered as an indication and the possible fault or cause of a malfunction must be checked by the operator.

The check procedure can be:

Manual	The check consists in the evaluation by the operator of the values read on the charging station's pressure gauges.
Automatic	The check is performed with a specific radio-frequency thermometer connected to the charging station and positioned inside the vehicle.

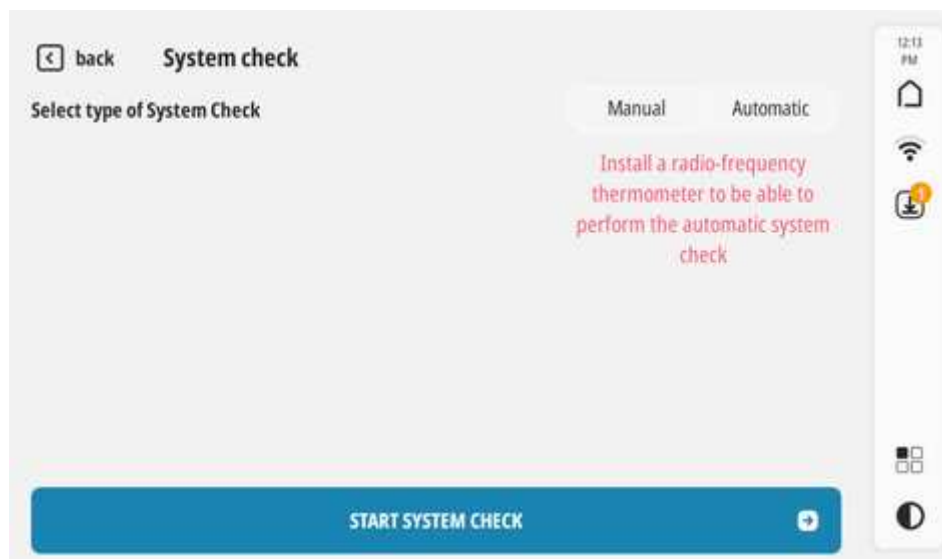
INFORMATION

In order to carry out this function in automatic mode, you must have the following:

- A/C SYSTEM EFFICIENCY CHECK KIT

Select the desired mode.

The software guides the operator step by step through the procedure with specific on-screen messages.



INFORMATION

If the A/C System Efficiency Check Kit is configured correctly, the automatic system check will start automatically at the end of the recharging service.

9.7 Non-condensable gases

This function allows you to check for the presence of non-condensable gases and it eventually starts the discharge procedure.

The software guides the operator step by step through the procedure with specific on-screen messages.



9.8 Total and Resettable Counters

This function allows displaying the data related to the total and resettable counters.

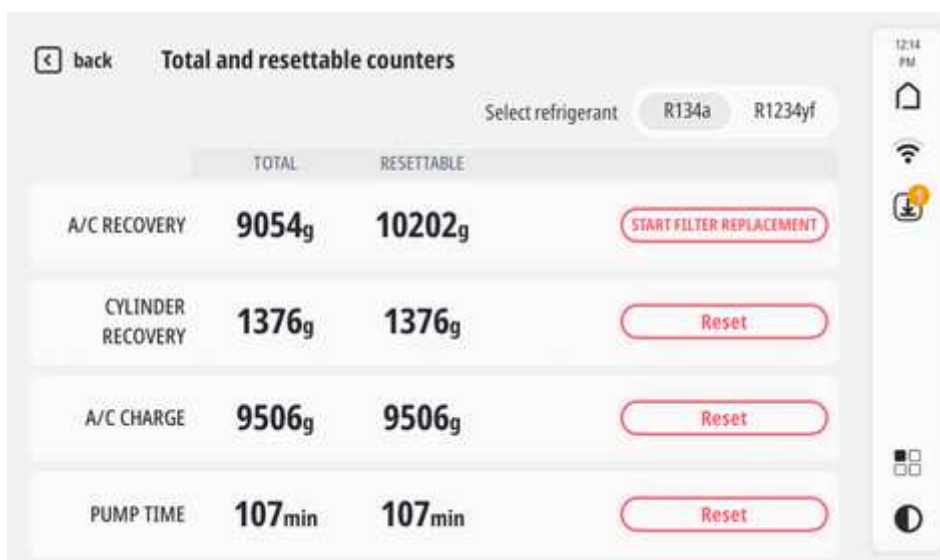
COUNTERS	DESCRIPTION
Total	This type of counters reports the values from the beginning of the charging station's life.
Resettable	This type of counters reports the values starting from the last reset performed.

INFORMATION

The total counters cannot be reset.

You can indicate for which refrigerant you wish to know the data.

Press **RESET** to reset the resettable counter of the related parameter.



INFORMATION

In order to reset the A/C RECOVERY resettable counter, you must start the filter replacement procedure by pressing START FILTER REPLACEMENT.

Follow the guided procedure and refer to the indications in the charging station's technical manual.

9.9 Partial Counters

This function allows monitoring the charging station's use over time. It displays a table indicating the values of the various parameters divided by day, week, month, year. The values are reported for statistical purposes.

back

Partial counters

Select refrigerant

R134a

R1234yf

	LAST DAY	LAST WEEK	LAST MONTH	LAST YEAR
A/C RECOVERY	0g	0g	0g	0g
RECOVERY REPETITIONS	0	0	0	0
A/C CHARGE	0g	0g	0g	0g
CHARGE REPETITIONS	0	0	0	0

INFORMATION

The partial counters cannot be reset.

9.10 Scale check

This function allows to start the guided procedure of verification of the internal scale calibration. The software guides the operator step by step through the procedure with specific on-screen messages.



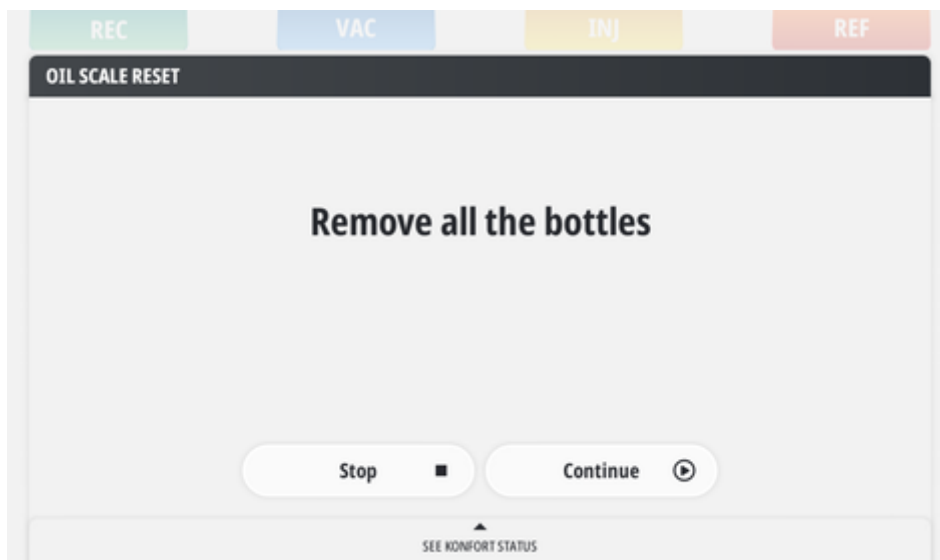
INFORMATION

You must have the sample weight with a known value to position on the charging station's scale.

9.11 Oil Scale Reset

This function allows launching the guided procedure for resetting the oil scales.

The software guides the operator step by step through the procedure with specific on-screen messages.



9.12 Cylinders Management

This function allows managing the intended use of the bottles.

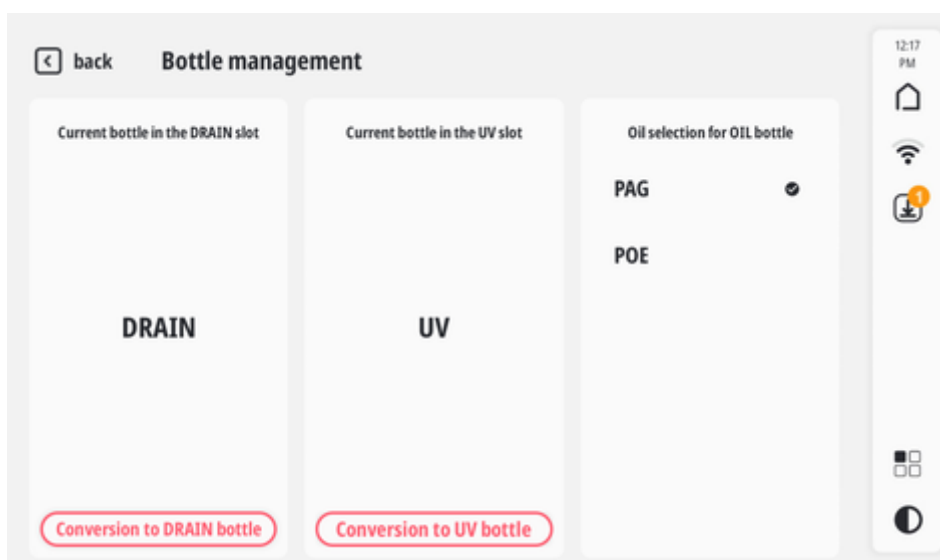
The charging station has the following bottle slots:

- *DRAIN:recovered refrigerant*
- *UV:UV dye*
- *OIL:oil*

The bottles are labelled with names corresponding to the related slots; however, they can be assigned the intended use you prefer.

Insert the bottle in the desired slot.

Press **CONVERSION**.



INFORMATION

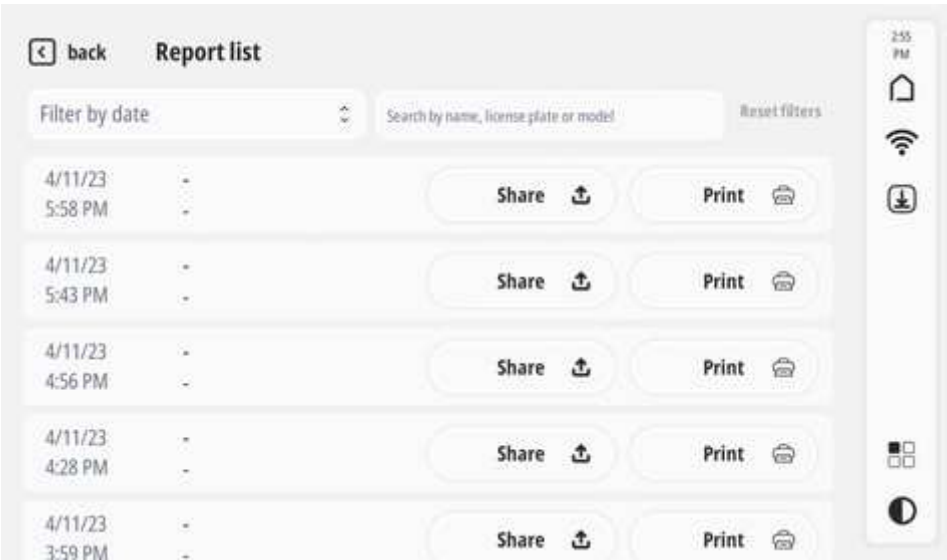
In the case of the bottle to install in the OIL slot, you must also indicate the type of oil used.

The bottles will store the intended use they are assigned.

This means that if a bottle is removed from the slot and then reinstalled in the same slot, there is no need to carry out the conversion again.

10 REPORT

This function allows you to access the list of saved reports and print the desired report among the available ones.



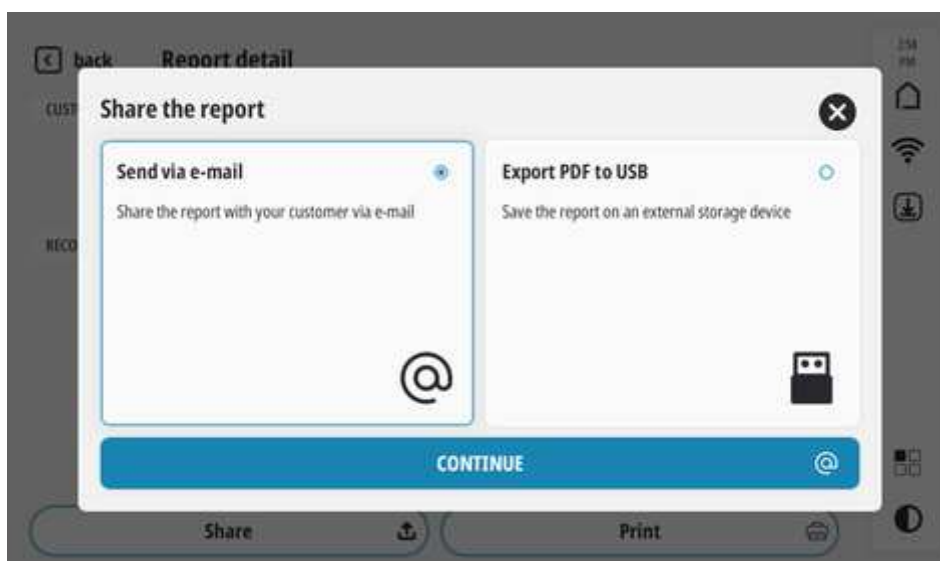
By pressing on the desired report you can view its details.



You can choose whether to share or print the report.

10.1 Share

This function allows you to select the report sharing mode.



Send via e-mail	It allows you to share the report with the customer or directly with a preset internal e-mail address. ¹
Export PDF to USB	It allows you to save the report on an external storage device ²

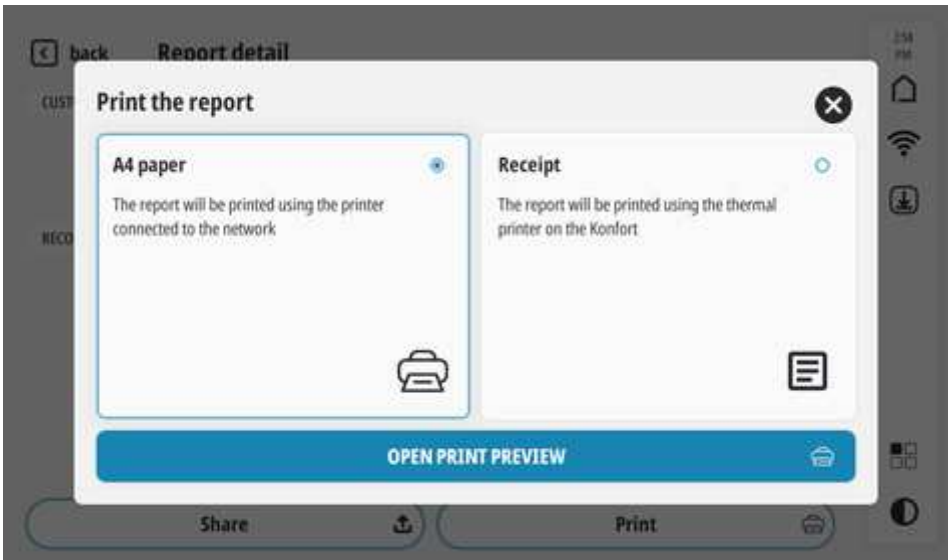
- (¹) The charging station must be connected to the Internet via the workshop's Wi-Fi network.
- (²) The storage device must be connected to the USB port on the charging station.

Proceed as follows:

1. Select the desired sharing mode.
2. Press **CONTINUE**.
3. Follow the instructions that appear on screen.

10.2 Print

This function allows you to select the report printing mode.



A4 paper	It allows you to print the report using the printer connected to the network. ¹
Receipt	It allows you to print the report in the form of a receipt using the thermal printer on the charging station. ²

- (¹) The charging station must be connected to the Internet via the workshop's Wi-Fi network.
- (²) The thermal printer kit must be purchased and installed.

Proceed as follows:

1. Select the desired printing mode.
2. Press **OPEN PRINT PREVIEW**.
3. Follow the instructions that appear on screen.

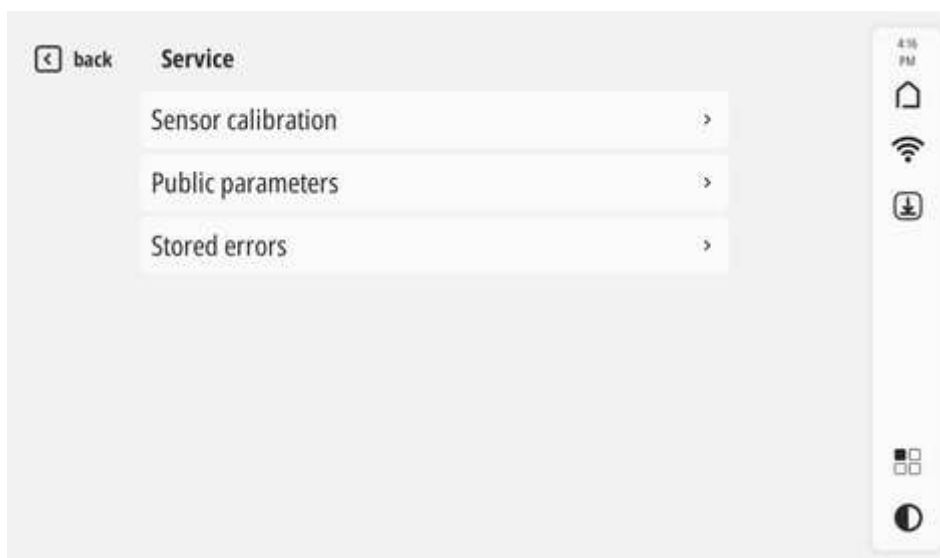
11 SERVICE

This menu allows you to access the charging station's service functions.

INFORMATION

The number and the items displayed in this screen depend on the password used to access the menu.

Below you can find only the items which can be accessed using the password reserved for the operator.



Name	Function
Sensors calibration	It allows to access the calibration menu of the sensors.
Public parameters	It allows you to view the charging station's public parameters.
Stored errors	It allows you to view the errors the charging station stored.

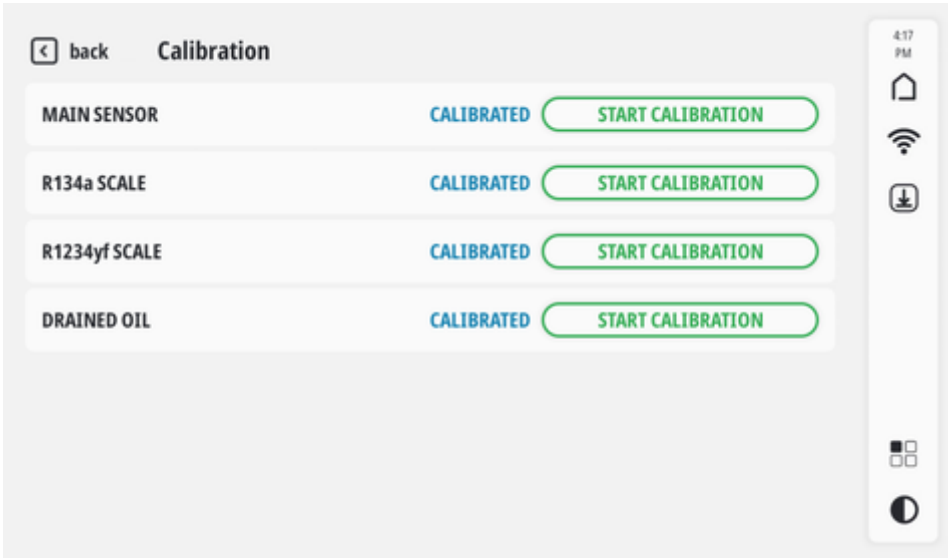
11.1 Sensors Calibration

This function allows to access the calibration menu of the sensors.

NOTICE

At least once a year, you must make sure the REFRIGERANT SCALE and the PRESSURE TRANSDUCER are working properly.

The status of each sensor is displayed, and it is possible to start the related calibration procedure. The software guides the operator step by step through the procedure with specific on-screen messages.



Name	Function
Main Sensor	It allows you to calibrate the main pressure sensor.
R134a scale	It allows you to calibrate the sensor of the R134a refrigerant scale.
R1234yf scale	It allows you to calibrate the sensor of the R1234yf refrigerant scale.
Drained Oil	It allows you to calibrate the sensor of the oil recovery bottle.

INFORMATION

To calibrate the refrigerant scale sensor you must have the specific KIT including the sample weight.

11.2 Public Parameters

This function allows you to access the charging station's public parameters.

The public parameters are useful to know the operating status of the charging station.

For each parameter, the following values are displayed:

- *minimum allowed*
- *current (editable field)*
- *maximum allowed*

It is possible to enter the value of each parameter manually.

It is possible to reset all parameters at once or only the desired ones individually.

Parameter	Minimum	Current	Maximum	Action
VACUUM SET TIME [min]	5	20	480	Reset
VACUUM LEAK TEST DURATION [min]	5	5	480	Reset
TANK1 TOTAL MAX REFRIGERANT REFILLABLE [g]	0	10000	10000	Reset
TANK2 TOTAL MAX REFRIGERANT REFILLABLE [g]	0	10000	10000	Reset
REFRIGERANT CHARGE QUANTITY [g]	50	700	10000	Reset
RECOVERY PRESSURE INCREASE CHECK TIME [min]	0	2	20	Reset

NOTICE



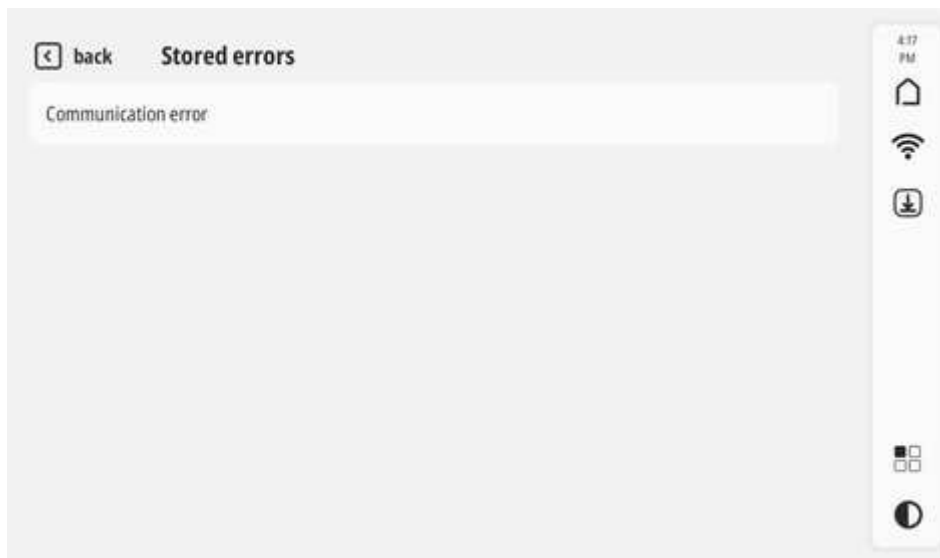
Entering inappropriate values may compromise the proper operation of the charging station.

Change the values **ONLY** if indicated by Technical Assistance.

11.3 Stored Errors

This function allows you to view the errors the charging station stored.

This function is for assistance purposes: it allows understanding more in detail any failures occurred while using the charging station.



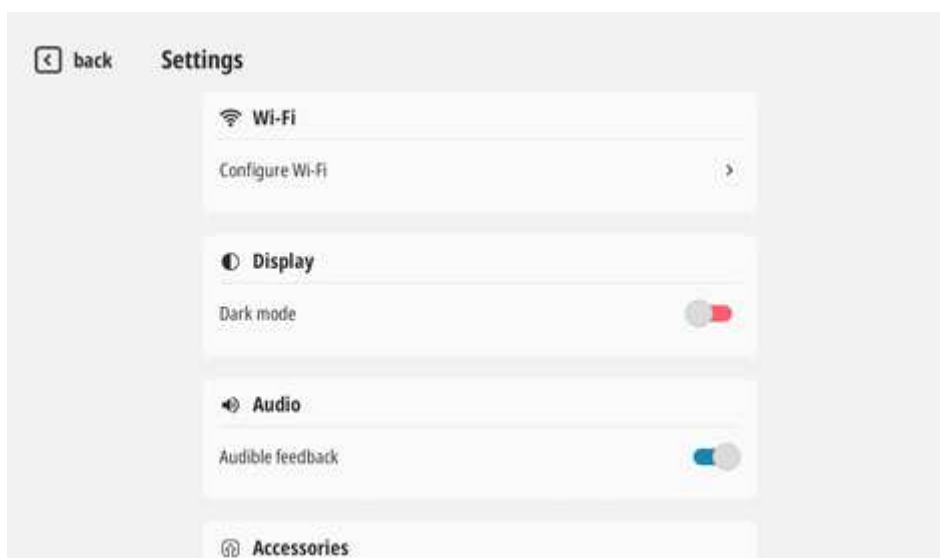
INFORMATION

The "user" password does not allow clearing the errors.

To clear the errors, contact your retailer or the Technical Assistance.

12 SETTINGS

This menu allows you to access the various settings of the charging station.



The available functions are:

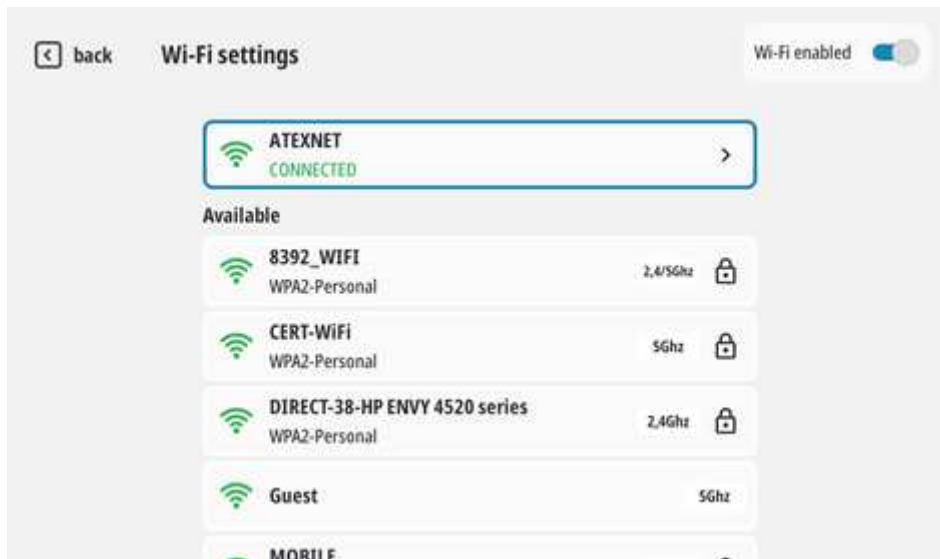
Name	Function
Wi-Fi	It allows you to connect the charging station to the workshop's Wi-Fi network.
Display	It allows you to change the screen colour, from light mode to dark mode and vice versa.
Accessories	It allows you to manage the charging station's accessories (e.g.: refrigerant identifier).
Mobile App	It allows you to manage the pairing between the charging station and a mobile device.
Language and zone	It allows you to set the data of the location where the charging station is used.
User data	It allows you to set the workshop's company data.
Software version	It reports the charging station's data such as: model, serial number, firmware version, etc.
Activation status	It reports the activation status of the firmware and vehicle selection database.
Advanced settings	It allows you to carry out the charging station's backup and factory reset.

INFORMATION

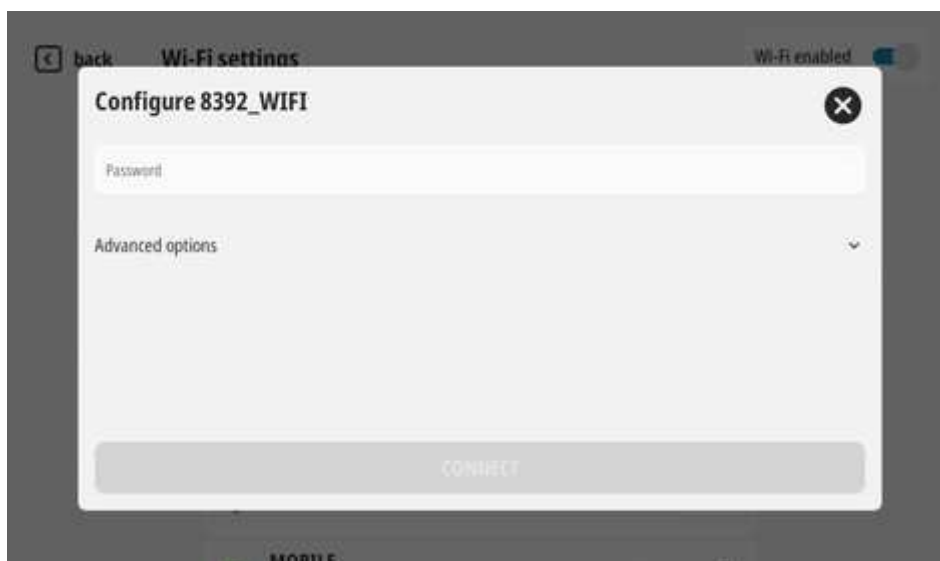
*Some functions are only available on specific models.
In that case, the related menu item is not displayed.*

12.1 Wi-Fi

This function allows you to connect the charging station to the workshop's Wi-Fi network.
Press **Configure Wi-Fi**.



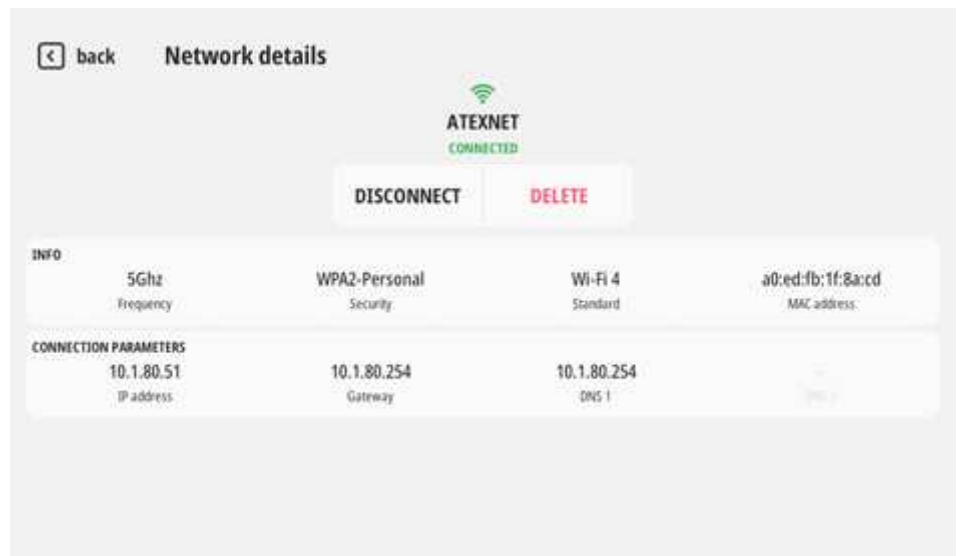
Select the desired network.
Enter the network password.
Press **CONNECT**.



Follow on screen instructions

INFORMATION

If you press on the network you are connected to, you can disconnect the equipment or delete the network from the list of networks to which the charging station is enabled to connect.



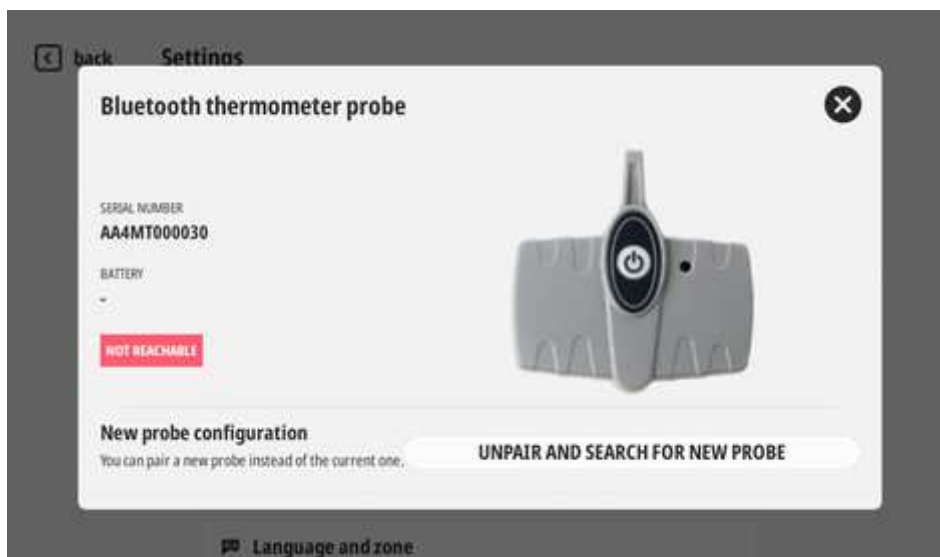
12.2 Accessories

This function allows you to manage the charging station's accessories (e.g.: refrigerant identifier).

12.2.1 Bluetooth thermometer settings

This function allows you to launch the search and configuration of the Bluetooth thermometer in the A/C SYSTEM EFFICIENCY CHECK KIT.

Press **Bluetooth thermometer settings**.



Wait for the search to complete.

The software will display all the devices found.

Press **PAIR**.

The software will display the device's serial number and battery state of charge.



For more information consult the technical manual of the device.

12.2.2 Refrigerant identifier settings

This function allows you to check the status of the refrigerant identifier and indicate that maintenance operations were carried out.

The software displays specific messages to warn that one of the components below requires replacing:

- *filter*
- *oxygen sensor*



After replacing the component, press the related button to confirm the replacement.

12.3 Mobile App

This function allows you to manage the pairing between the charging station and a mobile device that allows controlling the equipment operations remotely.

INFORMATION

The mobile device must have the specific app installed, which can be downloaded using the following QR Codes:

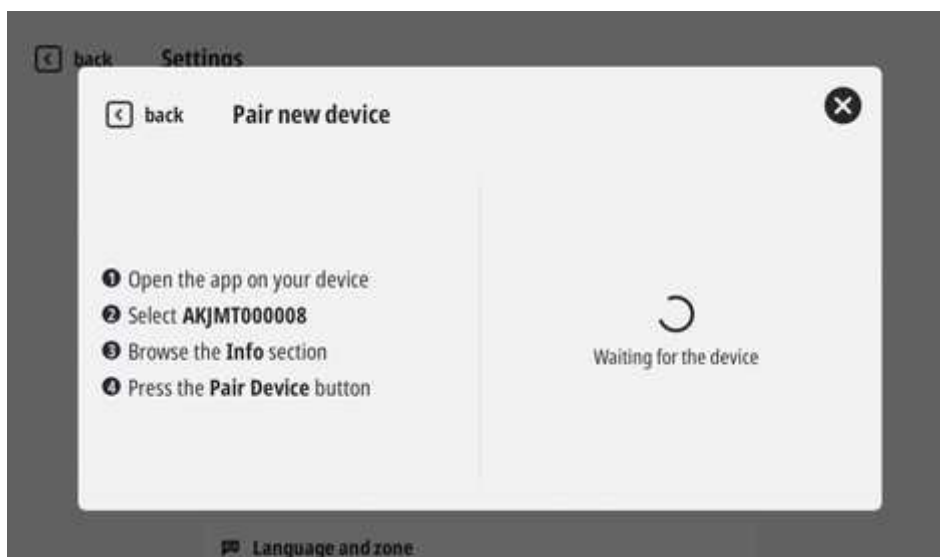


Press **Device pairing management**.

Press **Pair new device**.



Follow the instructions that appear on screen.



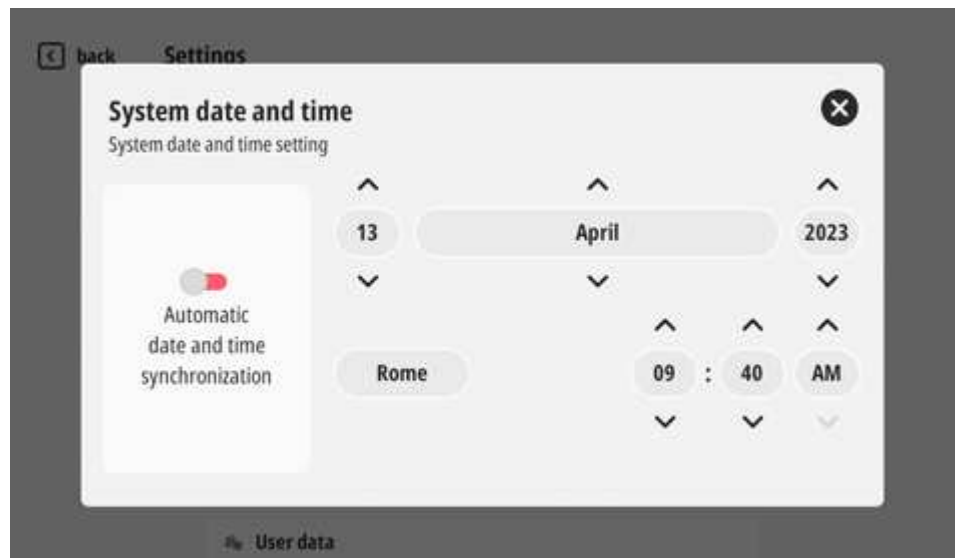
12.4 Language and zone

This function allows you to set the data of the location where the charging station is used. The information includes:

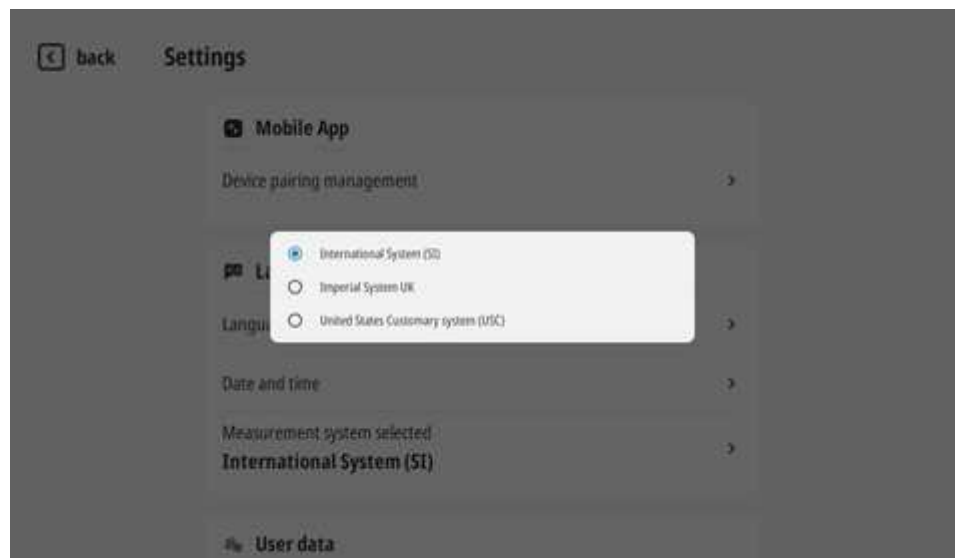
Language and Country



System date and time



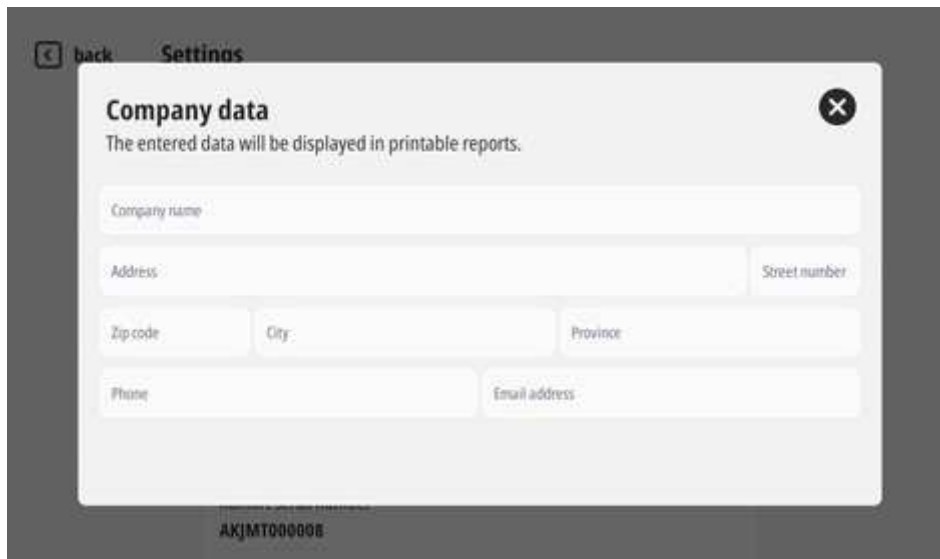
Measurement system



12.5 User data

This function allows you to set the workshop's company data.

The data you enter here will appear in the printed reports.



The screenshot shows a mobile application interface with a dark grey background. At the top, there is a 'back' button with a left arrow icon and the word 'Settings'. Below this is a white modal box titled 'Company data' with a close button (an 'X' in a circle) in the top right corner. Inside the modal, a subtitle reads 'The entered data will be displayed in printable reports.' The form contains several input fields: 'Company name' (a single line), 'Address' (a single line), 'Street number' (a single line), 'Zip code' (a single line), 'City' (a single line), 'Province' (a single line), 'Phone' (a single line), and 'Email address' (a single line). At the bottom of the modal, there is a small text label 'Printable reports' and a QR code with the alphanumeric string 'AXJMT000008' below it.

12.6 Advanced settings

This function allows you to carry out the charging station's backup and factory reset.

Before resetting it to factory settings, you can carry out a backup of the settings and data stored within the charging station.



A/C CART

AC DUALPLUS



ENGLISH.....	5
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AC DUALPLUS

1 REVISION OF THE MANUAL

This document is the technical manual for the product: AC DUALPLUS

Document Review Number: 01

Date of Issue: 20/05/2025

INFORMATION



This manual is an essential part of the product and accompanies it from its birth up to its discontinuation.

Read this manual before using the product.

See the user instructions whenever the general risk symbol is shown in the product, so to understand the source of the danger and carry out the actions required to eliminate or mitigate the risk.

2 INTRODUCTION

Dear Customer,

thank you for choosing this product for your workshop.

We are certain that you will get the greatest satisfaction from it and receive a great deal of help in your work.

Please read through the instructions in this manual carefully and keep it for future reference.

Reading and understanding the following manual will help you avoid damaging things and injuring people due to an improper use of the product it refers to.

We reserve the right to make any changes deemed necessary to improve the manual for any technical or marketing requirement, at any time and without prior notice.

This product is intended to be used exclusively by technicians specialised in the Automotive industry. Reading and understanding the information in this manual cannot replace adequate specialised training in this field.

The sole purpose of the manual is to illustrate the functioning of the product sold. It is not intended to offer technical training of any kind and technicians will therefore carry out any interventions under their own responsibility and will be accountable for any damage or personal injury caused by negligence, carelessness, or inexperience, regardless of the fact that this tool has been used following the information contained in this manual.

Any additions to this manual, useful in describing the new versions of the program and the new functions associated to it, may be sent to you through the technical bulletin service.

This manual is to be considered an essential part of the product to which it refers to. If it is resold, the original buyer is therefore required to forward the manual to the new owner.

Reproduction, whole or in part, of this manual in any form without written authorisation by the manufacturer is strictly forbidden.

The original manual was written in Italian, every other language is a translation of the original manual.

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3 LEGEND OF THE SYMBOLS USED

	Toxic material hazard		Risk of crushing hands
	Explosive material hazard		Floor level obstacle warning
	Electric shock hazard		Laser beam hazard
	Electromagnetic field hazard		Low temperature danger - freezing
	Flammable material hazard		General Risk
	Hot surface hazard		Obligation to read the instructions
	Corrosive substance hazard		Safety glasses required
	Risk of noise level above 80 dB(A)		Protective gloves required
	Moving Parts Risk		Disconnect mains plug from electrical outlet

	This is not a safety symbol. It indicates a hazardous situation which, if not avoided, will result in serious permanent injury or death.
	This is not a safety symbol. It indicates a hazardous situation which, if not avoided, may result in serious permanent injury or death.
	This is not a safety symbol. It indicates a hazardous situation which, if not avoided, may result in minor injury.
	This is not a safety symbol. It indicates a hazardous situation which, if not avoided, may result in material damage.
	This is not a safety symbol. It indicates important information.

4 SAFETY RULES

The technology used for the design and production control of the **AC DUALPLUS** charging stations make them simple, reliable and safe to use.

The personnel in charge of using the charging stations are required to follow the general safety rules, use the **AC DUALPLUS** charging stations for their intended use only, and carry out the maintenance as described in this manual.

All the safety requirements issued by the following must be assessed and applied:

- *Labour inspectorate.*
- *Trade associations.*
- *Vehicle manufacturers.*
- *Anti-pollution regulations.*

in force in the country where the product is used.

INFORMATION

In no way shall the manufacturer be held liable for accidents or damages caused by the use of the product by personnel who is not adequately informed and trained pursuant to the safety regulations in force in the country where the product is used, nor who misused or failed to comply, even in part, with the safety regulations and procedures described in this manual.

4.1 Intended Use

Product	Intended Use
AC DUALPLUS	Charging and servicing A/C and climate control systems on: • <i>cars</i> • <i>trucks</i> • <i>agricultural vehicles</i> The vehicle's A/C and climate control system must use one of the following refrigerants: • <i>R1234yf</i> • <i>R134a</i>

4.2 Glossary

- **Equipment:** *any AC DUALPLUS charging station.*
- **Operator:** *qualified individual, in charge of servicing A/C systems using the equipment.*
- **Internal cylinder:** *refrigerant storage cylinder.*
- **A/C system:** *A/C or climate control system.*
- **Refrigerant:** *a liquid capable of vaporising.*
- **External cylinder:** *new refrigerant cylinder used to fill the internal cylinder.*
- **Cycle:** *the carrying out of single phases.*
- **Operating phase:** *the carrying out of a single operation by the equipment (i.e. recycling).*
- **Non-condensable gases:** *air accumulated during the vapour phase in the refrigerant, extracted from the A/C system or from the cylinders.*

- **UV tracer injection:** *introduction of UV tracer into an A/C system in order to check for leaks.*
- **Oil injection:** *introduction of oil into an A/C system in order to restore the correct quantity recommended by the manufacturer.*
- **Recovery:** *removal of the refrigerant from an A/C system and the subsequent storage in the internal cylinder, without the need for analysis or treatment.*
- **Recycling:** *reduction of the contaminants in the refrigerant used by separating the oil, removing the non-condensable gases and passing the refrigerant once (or multiple times) through elements that reduce the humidity, acidity, etc.*
- **Filling:** *phase for charging the refrigerant into an A/C system with the quantity recommended by the manufacturer.*
- **Vacuum:** *the evacuation of non-condensable gases and humidity from an A/C system exclusively through a vacuum pump.*
- **Disposal of the equipment:** *removal of the refrigerant destined to be stored in order to be destroyed or transferred to waste disposal plants later.*

INFORMATION

The definition of "operator" cannot be applied to minors or to people with reduced physical, sensory or mental capabilities or without any experience or knowledge required.

4.3 General Rules



The operator must carefully read and understand all the information and instructions in the technical documents provided with the equipment. If the operator cannot read this manual, it is responsibility of the owner of the equipment/employer/person in charge of the safety to illustrate the contents of this document and adequately train the operator in relation to the operating instructions and safety measures for a proper use of the equipment.

- *The operator must have basic knowledge of refrigeration, the refrigeration system, refrigerants and the potential hazards that equipment under extreme pressure can cause.*
- *The operator that works on vehicles must have basic qualifications and knowledge of mechanics, automotive engineering, vehicle repairing and of the potential dangers that may arise during self-diagnosis operations.*
- *The operator must be completely clear-headed and sober and not take drugs nor drink alcohol before or when using the equipment.*
- *The operator must follow all the instructions provided in the technical documents.*
- *The operator is required to wear adequate personal protective equipment (PPE) at all times when using the equipment.*
- *The operator must monitor the equipment during the operating phases wherever this is possible in compliance with the safety measures indicated below.*
- *The operator must periodically check the electrical connections of the equipment, making sure they are in good condition and immediately replacing any damaged cables.*
- *The operator must periodically check the parts that are subject to wear and replace them if necessary, using only original spare parts or spare parts approved by the manufacturer.*
- *The operator must stop using the equipment immediately should any failure occur, and promptly contact the technical assistance.*

- *Contact your retailer for extraordinary maintenance operations.*
- *Do not remove or damage the labels/tags and the warnings on the equipment; do not in any case make them illegible.*
- *Do not remove or tamper with any safety devices the equipment is provided with.*

4.4 Operator Safety

WARNING



Refrigerant fluids can cause blindness and other physical injuries.

Due to their low boiling temperature (approximately - 22 °F or - 30 °C), refrigerants can cause cold burns when they come into contact with the skin.

Safety Measures:

- *The operator must avoid inhaling the vapours of the refrigerant liquids; use appropriate protection when required.*
- *The operator is required to wear adequate safety glasses and gloves that prevent direct contact with the refrigerants.*
- *Do not use the equipment near open flames, sparks, hot surfaces: the refrigerant decomposes at high temperatures, letting off toxic chemical substances that are harmful to people and the environment.*

CAUTION



The equipment has been designed to be steady both when being moved and once it is positioned.

However, you must pay attention while moving it.

Safety Measures:

- *Do not tilt the equipment in any way.*
- *Do not step on the equipment.*
- *Do not hang loads that may compromise the stability of the equipment, causing it to tip over.*
- *To move the equipment, use the specific handle only and balance the station on its wheels.*
- *Avoid moving it on uneven surfaces.*

CAUTION



The equipment was designed to be electrically safe and to work with specific supply voltage levels.

Improper use may expose the operator to the risk of electric shock, even though of low intensity.

Safety Measures:

- *Wear adequate personal protective equipment during all the operating phases.*
- *Do not handle or touch the equipment or any accessories (e.g. cables) with wet hands.*
- *Do not use extension cords to power the equipment.*

WARNING



The current used during the operating phases generates electromagnetic fields (EMF) near the equipment.

Even though of low intensity, these fields may interfere with medical prostheses, such as pacemakers.

Safety Measures:

- *Keep away from the equipment after launching the operating phases.*
- *If you have a medical prosthesis (e.g.: pacemaker), check with your doctor as to the appropriateness of using the equipment or being near it.*

4.5 Device Safety

NOTICE



The equipment was designed in accordance with the regulations about pressure equipment and assemblies, evaluating and reducing the risk where present and making appropriate considerations.

However, vibrations, pressure variations or excessive temperatures, especially if cyclic, should be avoided.

Safety Measures:

- *During use, do not move out of the TS operating temperature range and do not exceed the PS maximum operating pressure (see plate on the equipment).*
- *Only use refrigerants R134a or R1234yf.*
- *Make sure you use the correct refrigerant for the model of the device you are using.*
- *Make sure you use the correct refrigerant for the vehicle you are working on.*
- *Connect the hoses correctly by following the colours indicated: Blue hose - LP coupler, Red hose - HP coupler.*
- *Connect both hoses to the corresponding connections of the same group (both hoses connected to GAS1 group or both hoses to the GAS2 group).*
- *Make sure all the valves are closed before connecting the device to the A/C system or to an external cylinder.*
- *Make sure the operating phase has come to an end and the valves are closed before disconnecting the device; this should be done to avoid the refrigerant from spreading into the atmosphere.*
- *It is absolutely forbidden to modify the calibration of the safety valves and the control systems.*
- *Do not smoke near the device or during the operating phases.*
- *Do not expose the device to direct sunlight, rain and bad weather conditions.*
- *Disconnect the hoses with extreme caution; they may contain refrigerant under high pressure.*
- *Make sure the couplers are not open when the hoses are placed back around the service hose holder.*
- *Do not leave the device connected to the power supply if you do not intend to use it immediately.*

NOTICE



The equipment was designed to be used in specific environmental conditions.

Using the equipment in environments with temperatures and humidity that differ from those specified may impair its efficiency.

Safety measures:

- *Place the equipment in a dry area.*
- *Do not expose or use the equipment near heat sources.*
- *Place the equipment where it can be properly ventilated.*
- *Do not use corrosive chemicals, solvents or harsh detergents to clean the equipment.*
- *If storing the device for a long period of time, disconnect it from the power mains and put it in a safe place, where it is not exposed to outside weather conditions.*

NOTICE



The equipment was designed to be mechanically sturdy and suitable for use in the workshop.

Careless use and excessive mechanical strain may impair its efficiency.

Safety measures:

- *Do not drop, shake or bump the equipment.*
- *Do not place the equipment where it could fall into water. Avoid any contact with water.*
- *Do not place any objects on the cables or service hoses.*
- *Do not perform any kind of intervention that may damage the equipment.*
- *Do not use the touchscreen with sharp objects or any other kind of objects that may damage it.*
- *Do not access the components inside the equipment unless explicitly requested by specific maintenance operations indicated in this manual.*

NOTICE



The equipment was designed to be electrically safe and to work with specific supply voltage levels.

Failure to comply with the specifications related to the power supply may impair its efficiency.

Safety measures:

- *Do not expose the equipment to water or other liquids.*
- *Do not use external batteries to power the equipment.*
- *Do not use extension cords to power the equipment.*

! WARNING



The electromagnetic compatibility tests carried out on the tool guarantee that it can be adapted to the technologies normally used on vehicles (e.g.: engine check, ABS, airbag, etc.). Nevertheless, if malfunctions occur you should contact the vehicle's dealer.

4.6 Safety Devices

This equipment is provided with the following safety devices:

- **Safety pressure switch:** stops the compressor when the pressure reaches a cut-off level.
- **Safety valve:** opens completely in the event the PS value is reached.
- **Main switch:** allows you to cut off the power supply from the power mains in case of an emergency or in order to carry out maintenance.

Tampering with the above mentioned safety devices of any kind is strictly forbidden.

4.7 Safety Precautions to follow when using the Refrigerants

WARNING



Certain mixtures of air and R134a have proved to be flammable at high pressures.

These mixtures are potentially hazardous and can cause fires and explosions, causing personal injuries and damage to objects.

Further safety and medical information can be obtained from lubricant and refrigerant manufacturers.

Safety Measures:

- Do not use external tanks or other storage systems that have not been approved and/or that are not equipped with safety valves.
- Do not test the equipment or the vehicle A/C system containing R134a with compressed air.

WARNING



The refrigerant R1234yf has been classified as flammable.

Safety Measures:

- Consult the safety sheet of this refrigerant in order to store it correctly.

4.8 Workplace Safety

NOTICE



The equipment is designed to work at a maximum altitude of 1000 m / 3281 ft above sea level, with an operating temperature between 5 °C / 41 °F and 40 °C / 104 °F and a maximum humidity of 50% at 50 °C / 122 °F.

Safety Measures:

- This equipment should be used in locations with mechanical ventilation that provides at least four air changes per hour or the equipment should be used at least 0,5 m / 1.64 ft above the floor/ground.
- Keep the device in environments with temperatures that do not exceed 122 °F / 50 °C.

- *Only use the device in open or well-ventilated environments (at least 4 air changes per hour).*
- *Make sure the workplace is well-lit (average operating illuminance, for mechanic workshops and assembly on work benches for precision work, is 500-750-1000 lux).*

4.9 Guidelines for the Handling of the Refrigerants Used

4.9.1 Refrigerant Storing Precautions

The device has been designed and built to operate only with one of the following refrigerants:

- *R1234yf*
- *R134a*

Carefully follow the indications below:

- *The refrigerant removed from the A/C system must be handled with care, in order to prevent the refrigerants from mixing or in any case reduce the risk of this happening.*
- *The cylinders used for refrigerant storing must be specific to each refrigerant in order to prevent the refrigerants from mixing.*
- *The cylinders must be perfectly clean and clearly labelled in order to identify the refrigerant contained within.*

4.9.2 Refrigerant and System Conditions

The installment procedures and the maintenance carried out during the operating life of the A/C system substantially affect the quality of the refrigerant.

The understanding of these factors is essential in order to decide whether or not the refrigerant from a system should be recycled.

The systems that have not been properly maintained (not cleaned, not emptied correctly, etc.) can have high contamination levels, both in the refrigerant and in the oil.

If the history of the system is not known, the refrigerant recovered must at least be recycled before it is reused.

When the contamination level is not known, you may carry out some preliminary checks with the kit specifically for acidity and humidity measurements.

4.9.3 Recycling Capacity

The filtering systems of the device must be replaced regularly in order to guarantee device efficiency.

The recycling must always be carried out, even when tests do not show that they are required.

4.9.4 In General

Before carrying out the refrigerant refilling phase, the A/C system must be emptied and cleaned (a vacuum operation must be carried out).

Carry out all the procedures as described in this manual in order to guarantee that the A/C system is free of contamination.

Carry out the scheduled/regular maintenance on the device as required, especially after it has been used with a highly contaminated refrigerant: it is essential that the contamination from one operation is not passed on to the following one.

4.10 Additional Safety Rules

This manual contains different types of safety messages directed to the user and that the operator must follow.

These messages are defined as follows:

DANGER	This message indicates that you may risk severe personal injury or death.
CAUTION	This message indicates that you may risk damaging people, things or the charging station.
NOTES and OPERATING TIPS	These messages provide clear and useful information.

The safety messages written in this manual cover situations the manufacturer is aware of. The manufacturer cannot be aware of, evaluate and inform you of all the possible risks. You must make sure the conditions and procedures do not jeopardise your personal safety.

DISCLAIMER

The information, the images and the specifications in this manual are based on the latest information available at the time of the publication.

The manufacturer reserves the right to make changes at any time and without the obligation to notify such reviews or changes to any person or organisation.

The manufacturer is not liable for errors within this document or for accidental or consequential damages (including lost profits) related to the supply, the performances or the use of this material.

If necessary, gather further information concerning health and safety from the specific national agencies and from the manufacturers of the vehicle, the refrigerant and the lubricant.

	<u>CAUTION – SHOULD BE OPERATED BY CERTIFIED PERSONNEL</u> Before using the charging station, read and follow the instructions and warnings contained in this manual. The operator must be familiar with the refrigeration and A/C systems, the refrigerants and the dangers that derive from pressurised components. If the operator is not able to read this manual, the operating instructions and the safety indications, they must be read and discussed in the operator's native language.
	<u>THE PRESSURISED TANK CONTAINS REFRIGERANT</u> Do not overfill the internal storage tank as excessive filling could cause explosions, personal injuries or death. Do not recover refrigerants in non-refillable containers; only use refillable containers that are compliant with federal regulations.
	<u>THE HOSES MAY CONTAIN PRESSURISED REFRIGERANT</u> Contact with the refrigerant may cause personal injuries. Wear protective equipment, including safety glasses. Disconnect the hoses using extreme caution.

	<u>AVOID BREATHING A/C REFRIGERANT AND LUBRICANT VAPOUR OR MIST</u> Exposure could irritate eyes, nose and throat. To remove refrigerant from the A/C system, use only equipment certified for the type of refrigerant being removed to meet the requirements of SAE J2788. ATTENTION - This equipment should be used in locations with mechanical ventilation that provides at least four air changes per hour or the equipment should be used at least 0,5 m / 1.64 ft above the floor/ground. In case of an accidental system discharge, ventilate the working area before resuming service. Additional health and safety information may be obtained from refrigerant and lubricant manufacturers.
	<u>DO NOT USE ANY TYPE OF EXTENSION CABLE</u> An extension cable may overheat and cause a fire. If you must use an extension cable, use the shortest one possible with a minimum size of 14 AWG. <u>REDUCE THE RISK OF FIRES</u> Do not use the charging station close to open or leaking containers that contain petrol or other flammable substances.
	<u>CAUTION – DO NOT PRESSURE TEST OR LEAK TEST EQUIPMENT AND/OR VEHICLE AIR CONDITIONING SYSTEMS WITH COMPRESSED AIR</u> Some mixtures of air and refrigerant have proved to be combustible at high pressures. If ignited, these mixtures could cause damage to people or things. Additional health and safety information may be obtained from refrigerant and lubricant manufacturers.
	<u>TO AVOID CROSS-CONTAMINATION, USE THIS CHARGING STATION ONLY WITH R134a or R1234yf REFRIGERANT</u> The charging station was designed to recover, recycle and recharge R134a or R1234yf refrigerant only. Do not attempt to adapt the charging station to another type of refrigerant. Do not mix different types of refrigerants inside the system or within the same container; the mixture of refrigerants will cause severe damage to the charging station and to the vehicle's A/C system.
	Use only new lubricant to replace the amount removed during the recycling process. Used lubricant shall be disposed of in accordance with applicable federal, state and local procedures and regulations.
	<u>THE HIGH VOLTAGE CURRENT INSIDE THE CHARGING STATION IMPLIES A RISK OF ELECTRICAL SHOCK</u> Exposure could cause personal injuries. Disconnect the power before performing any maintenance operation on the charging station.

Additional health and safety information may be obtained from refrigerant and lubricant manufacturers.

OPERATING NOTE:

At temperatures above 120 °F / 49 °C, wait 10 minutes between recovery operations.

5 REGULATORY INFORMATION

USE RESTRICTIONS AND WARNINGS (FCC / ISED)

Modification statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Les changements ou modifications non expressément approuvés par la partie responsable de la conformité peuvent annuler le droit de l'utilisateur à utiliser l'équipement.

Labeling information

Device model: **SC200R-WF**

- *Contains FCC ID:* **XMR20SC200RWF**
- *Contains IC:* **10224A-20SC200RWF**

FCC Compliance

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- *Reorient or relocate the receiving antenna.*
- *Increase the separation between the equipment and receiver.*
- *Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*
- *Consult the dealer or an experienced radio/TV technician for help.*

Cet appareil est conforme à la partie 15 des règlements de la FCC. L'utilisation est soumise aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Remarque: Cet équipement a été testé et déclaré conforme aux limites d'un appareil numérique de classe B, conformément à la partie 15 des règlements de la FCC. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle.

Ce produit génère, utilise et peut émettre des ondes radio qui peuvent causer des interférences nuisibles s'il n'est pas installé et utilisé conformément aux instructions. Si néanmoins ce produit cause des interférences nuisibles à la réception de la radio ou de la télévision, ce qui peut être déterminé en éteignant et en rallumant l'appareil, l'utilisateur est encouragé à essayer de corriger l'interférence par une ou plusieurs des mesures suivantes:

- *Réorienter ou déplacer l'antenne de réception.*
- *Augmenter la distance entre le produit et le récepteur.*
- *Brancher l'appareil sur une prise de courant différente de celle à laquelle le récepteur est raccordé.*
- *Consulter le revendeur ou un technicien radio/TV expérimenté pour obtenir de l'aide.*

ISED compliance

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device.

This radio transmitter has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

L'émetteur/recepteur exempt de licence contenu dans le present appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) L'appareil ne doit pas produire de brouillage; (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Le présent émetteur radio a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés ci dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour tout type figurant sur la liste, sont strictement interdits pour l'exploitation de l'émetteur.

ICES-003 Class B Notice -Avis NMB-003 Classe B: This Class B digital device complies with Canadian ICES-003

Cet appareil numérique classe B est conforme à la norme canadienne NMB-003. CAN ICES-3(B) / NMB-3(B)

RF Radiation Exposure statement

This product complies with FCC and ISED radiation exposure limits set forth for an uncontrolled environment. The antenna should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This device complies with Health Canada's Safety Code. The installer of this device should ensure that RF radiation is not emitted in excess of the Health Canada's requirement.

Cet appareil est conforme aux limites d'exposition aux rayonnements de l'ISED pour un environnement non contrôlé. L'antenne doit être installée de façon à garder une distance minimale de 20 centimètres entre la source de rayonnements et votre corps.

Cet appareil est conforme avec Santé Canada Code de sécurité 6. Le programme d'installation de cet appareil doit s'assurer que les rayonnements RF n'est pas émis au-delà de l'exigence de Santé Canada.

Responsible party's contact located in Canada:

Company Name: Canadian Certification Consulting, Inc.

ISED Company No: 10842A

Contact Name: Jon Hughes, President

Street Address: 2210 Horizon Drive, Suite 17

City/Province/Zip: West Kelowna - BC V1Z 3L4 - Canada

Phone No: 1-250-575-1719

Email: info@can-cert.com

Responsible party's contact located in U.S.:

Company Name: TEXA USA Inc.

Contact Name: Fabio Mazzon, Technical Manager

Street Address: 292 Fernwood Avenue

City/Province/Zip: Edison, NJ 8837 - United States

Phone No: (732) 325-8617

Email: fabio.mazzon@texa.com

FRN: 0033570946

6 OPERATION OF THE RADIO DEVICES

Wireless connection with Bluetooth and WiFi technology

Wireless connection with Wi-Fi and Bluetooth technologies supplies a standard and safe method for exchanging information between different devices using radio waves.

Besides our devices, this type of technology is also used by products such as: mobile phones, computers, printers, cameras, Pocket PCs, etc.

The Wi-Fi and Bluetooth interfaces search for compatible electronic devices based on the radio signal they generate and connect them.

Our devices make a selection and show only the compatible devices.

This does not exclude the presence of other sources of communication or interference.

THE EFFICIENCY AND THE QUALITY OF THE BLUETOOTH AND Wi-Fi COMMUNICATIONS MAY BE INFLUENCED BY THE PRESENCE OF RADIO DISTURBANCE SOURCES.

THE COMMUNICATION PROTOCOL HAS BEEN DEVELOPED TO MANAGE THESE TYPES OF ERRORS; HOWEVER, IN THESE CASES COMMUNICATION MAY BECOME DIFFICULT AND CONNECTION MAY REQUIRE SEVERAL ATTEMPTS.

SHOULD THE WIRELESS CONNECTION ENCOUNTER SERIOUS PROBLEMS THAT MAY COMPROMISE A REGULAR COMMUNICATION, THE SOURCE OF THE ENVIRONMENTAL ELECTROMAGNETIC INTERFERENCE MUST BE IDENTIFIED AND ITS INTENSITY REDUCED.

Position the tool so that the radio devices it is equipped with can work properly.

In particular, do not cover it with any shielding or metallic materials in general.

7 AC DUALPLUS

The **AC DUALPLUS** charging stations are designed for servicing A/C and climate control systems on cars, trucks and tractors.

The **AC DUALPLUS** stations are high-performance and capable of carrying out the following operations in complete safety: recovery, recycling, vacuum, system refilling and A/C system performance check.

The **AC DUALPLUS** charging stations are designed to work with the refrigerants:

- *R1234yf*
- *R134a*

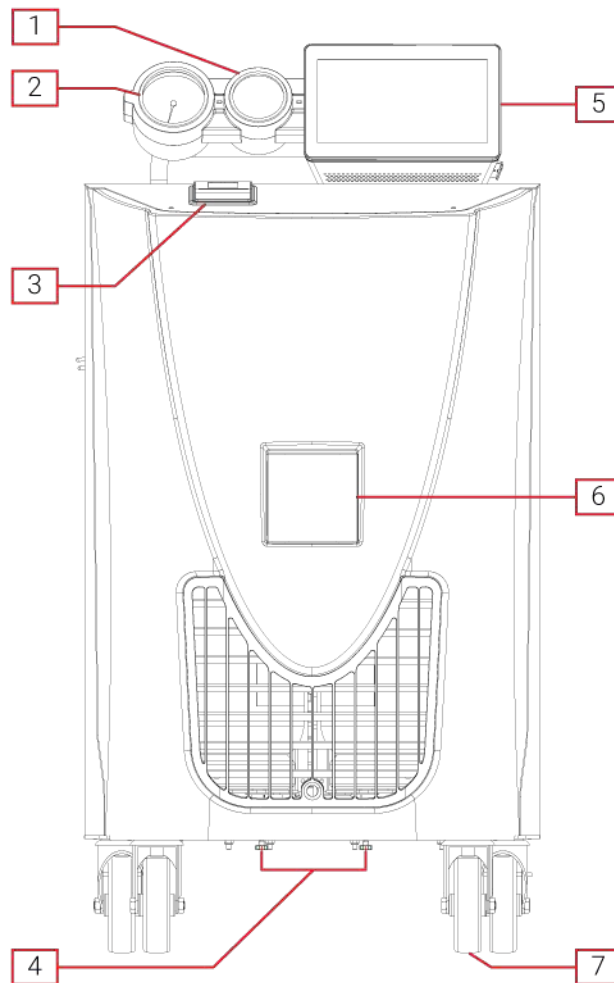


MAIN FEATURES

- *Dual refrigerant line management:*
 - *R1234yf*
 - *R134a*
- *10" TFT touchscreen display*
- *Advanced graphic interface*
- *DATABASE and performed services management*
- *2 12-kg tanks*
- *Two-stage vacuum pump*
- *High efficiency refrigerant recovery (over 95%)*
- *Automatic refrigerant measurement accuracy check (patent pending)*
- *Automatic maintenance service management*
- *2 band heaters*
- *Operating modes:*
 - *DATABASE*
 - *CUSTOMISED SERVICE*
 - *MY DATABASE*
- *Multilingual software coverage*
- *Automatic maintenance alarm*
- *Simplified maintenance*
- *Automatic management of non-condensable gases*
- *Thermal printer (*)*

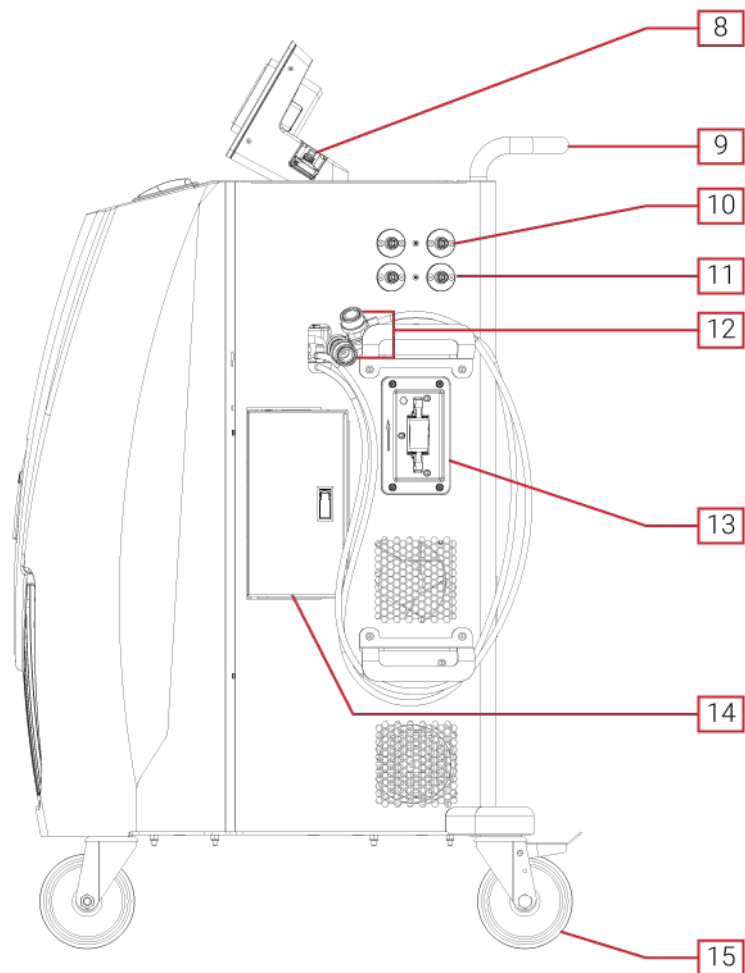
(*) *Optional*

8 DESCRIPTION

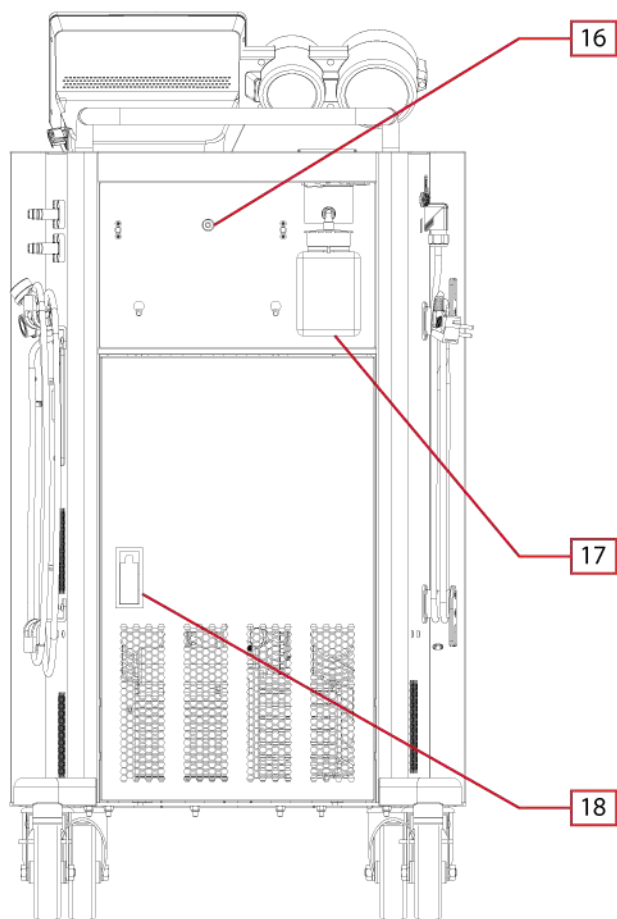


- 1. Low Pressure gauge (**LP**)
- 2. High Pressure gauge (**HP**)
- 3. Printer *
- 4. Cylinder lock for transport(x2)
- 5. Controller
 - Touchscreen
 - Bluetooth and Wi-Fi communication modules
- 6. Cylinder compartment door
- 7. Castors

(*) *Optional*

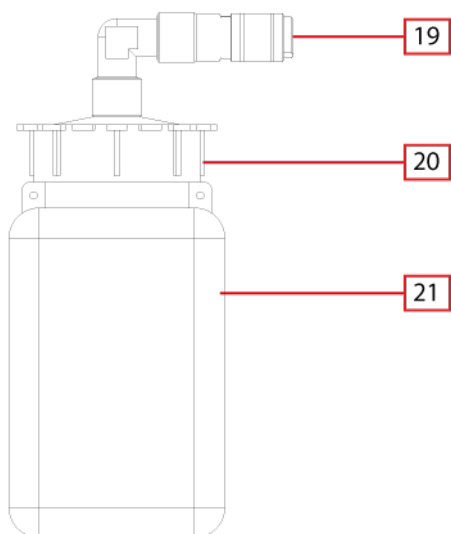


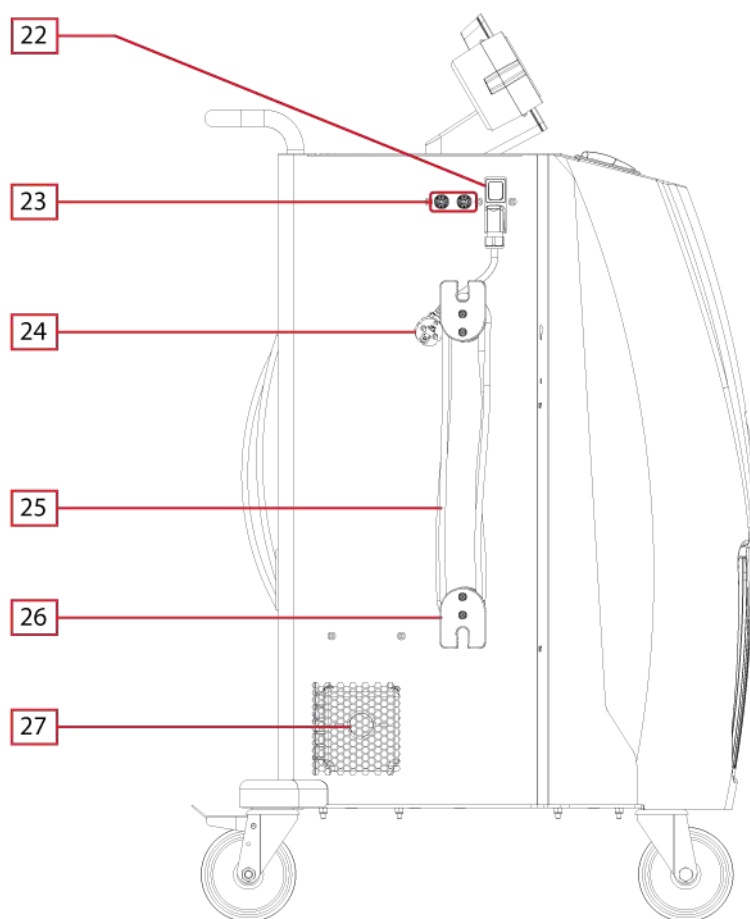
- 8. USB connector compartment
- 9. Handle
- 10. **GAS 2**:HP/LP couplers for gas R1234yf
- 11. **GAS 1**:HP/LP couplers for gas R134a
- 12. HP/LP quick couplers
- 13. Refrigerant Identifier
- 14. Service door:Dryer filter
- 15. Castors with brakes



- 16. Mechanical filter cap
- 17. **DRAIN**: airtight bottle for recovered oil.
- 18. Service door: vacuum pump

- 19. Pneumatic connection
- 20. Tank cap
- 21. Tank





- 22. Main switch
- 23. Safety fuses
- 24. Power socket
- 25. Power cable
- 26. Power supply cable holder
- 27. Pump oil level sight

9 INSTALLATION

This chapter describes the procedures required in order to install the device properly.

NOTICE



The installation must be performed by qualified personnel only, carefully following the instructions provided in this manual.

The device is provided with the following:

- **Technical Manual:** *contains the description of the device, user instructions to guarantee a correct use and correct maintenance.*
- **USB flash drive:** *contains the technical and operating manual (user instructions for the equipment)*
- **TANK FILLING KIT:**
 - *Recharging cylinder hose adapter*
 - *Paper gasket for recharging cylinder hose adapter*
 - *Copper gasket for HP recharging cylinder hose adapter*
- **Tool to remove the dryer filter**

9.1 Unwrapping the Device

This chapter describes the instructions for unwrapping/unpacking the device.

NOTICE



Perform the described operations with extreme care and on a flat surface in order to avoid the device from tipping over.

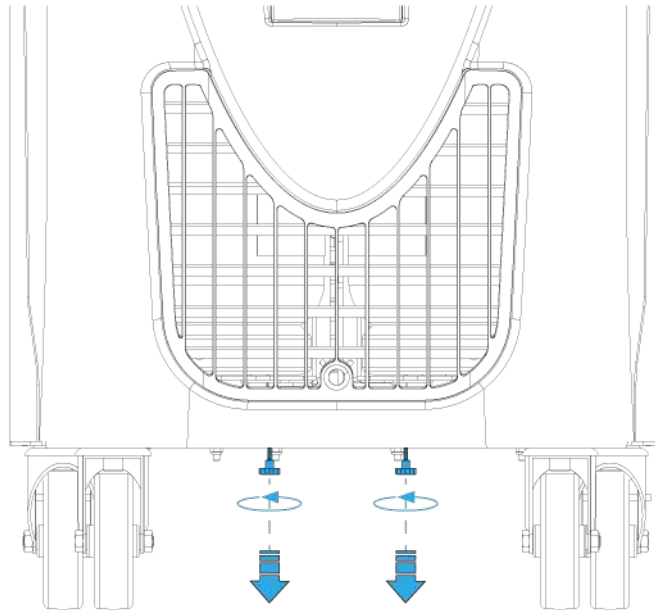
Proceed as follows:

1. *Remove the cardboard.*
2. *Remove the bands that fasten the equipment to the pallet.*
3. *Remove the equipment from the pallet.*
4. *Unlock the wheels.*
5. *Make sure the equipment is in good condition and that it has not been tampered with and/or damaged.*
6. *Make sure no parts are missing.*

9.2 Transportation Lock Removal

On the equipment there is a screw that blocks the internal tank's load cell to preserve its integrity during transportation.

This screw must be removed before starting to use the equipment.



Proceed as follows:

1. *Stand in front of the equipment.*
2. *Locate the locking screws.*
3. *Unscrew the screws until they are completely removed.*
4. *Keep the screws in case they may be needed in the future when transporting the equipment.*

NOTICE

If the screws are not removed, the charging station may not work properly and/or be damaged during use.



10 HANDLING

This chapter describes the operations required to properly handle and position the equipment for use.

10.1 Moving the Device

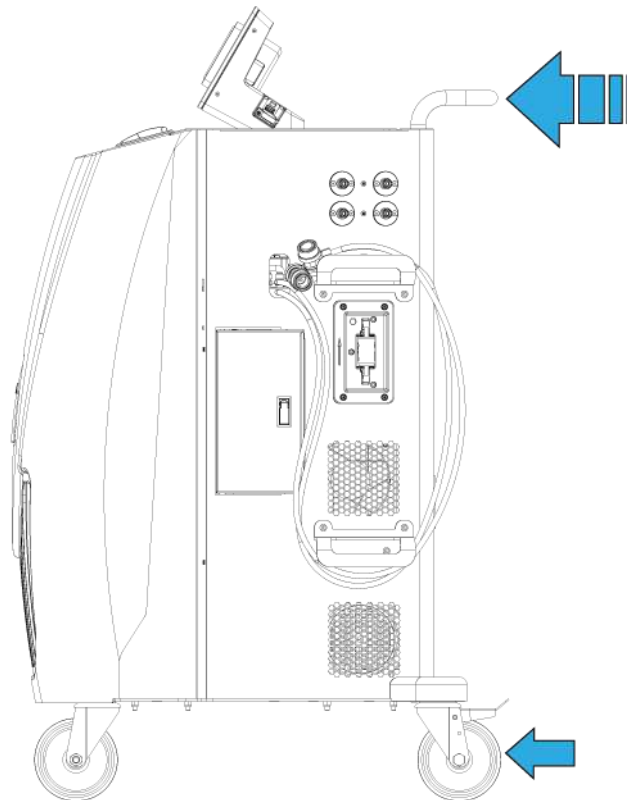
The equipment must be moved on its own wheels.

CAUTION



The equipment was specifically designed and created to lower the centre of gravity, so the heavier components were placed on the bottom; however it was not possible to completely eliminate the risk of overturning.

Do not handle the equipment on excessive slopes.



Proceed as follows:

1. *Disconnect the service hoses from the vehicle's A/C system.*
2. *Disconnect the power supply cable from the mains.*
3. *Unlock the wheels (if required).*
4. *Push the cart using the specific handle located on the back of the equipment.*

10.2 Positioning

The device must be placed near the A/C system that must be checked; make sure it is on a flat surface and in an appropriate environment, as specified in the safety regulations within this manual.

Once the device has been positioned, we suggest locking the wheels with the specific mechanical brakes the wheels are equipped with.

NOTICE

Positioning the equipment on slopes, even though their inclination excludes the risk of overturning, may interfere with the proper equipment operation.



CAUTION

Position the equipment so that the main switch can be always reached easily.



11 POWER SUPPLY

The equipment is powered by the mains through a specific power supply cable.

The equipment must be connected to the mains through the supplied specific power cable; respect the applicable voltage, frequency and power values.

The voltage, frequency, and power values that can be applied can be found on the tag located near the main switch.

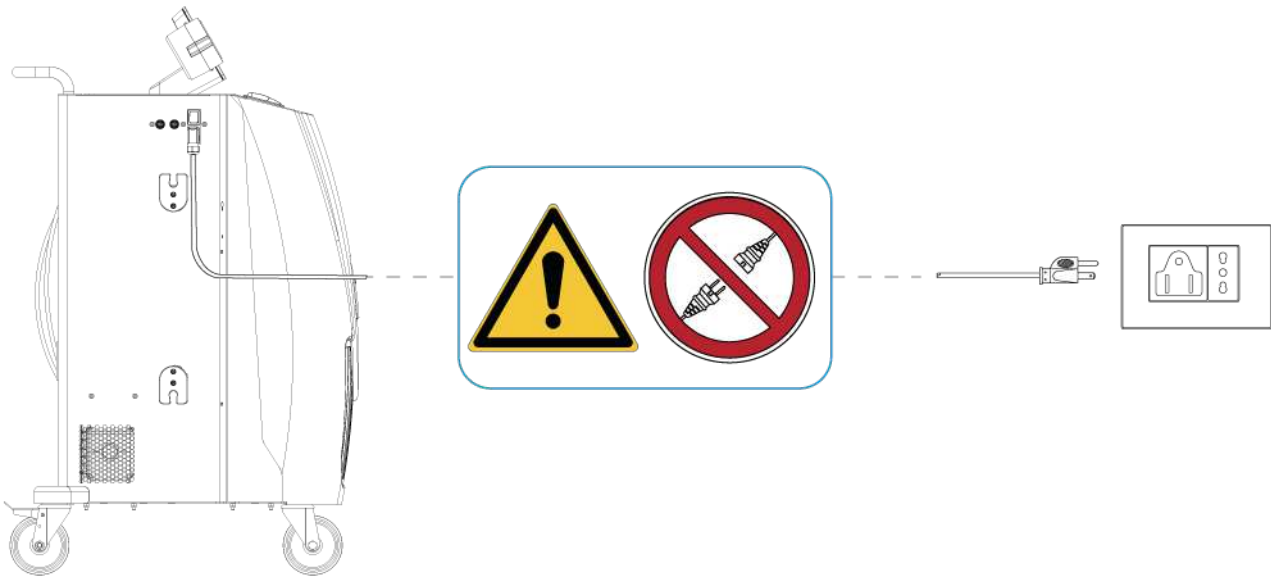


CAUTION

The mains plug must be used to disconnect from the mains.

Do not position the equipment so that it becomes difficult to disconnect it from the mains.

Do not use extension cords to power the equipment.

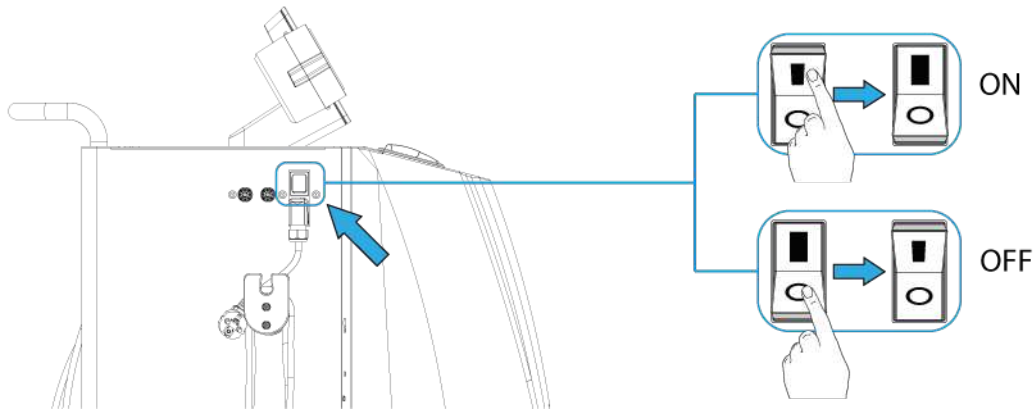


Proceed as follows:

- 1. Go to the left hand side of the equipment.*
- 2. Connect the power supply cable to the mains via a grounded socket.*

12 POWER ON/OFF

The equipment can be powered on and off using the main switch located on the left side of the charging station.



To turn on the equipment, set the main switch to the **I** (ON) position.

To turn off the equipment, set the main switch to the **O** (OFF) position.

WARNING

Do not disconnect the equipment from the mains by unplugging the power cable either from the equipment or from the socket.



12.1 Stopping the Equipment for Long Periods

Should you intend to stop the equipment for a long period of time, follow the instructions below.

Proceed as follows:

1. *Disconnect the equipment from the power mains.*
2. *Place the provided cover over the equipment.*
3. *Store the equipment in a safe place, not exposed to outside weather conditions.*

13 SETTING UP BEFORE USING

This chapter describes the maintenance operations required for setting up the equipment.

13.1 How to Fill the Internal Tank

Internal tank in the device is empty upon delivery.

NOTICE



You must carefully read and understand this Operating Manual in order to perform the provided instructions correctly.

Proceed as follows:

1. Turn on the equipment.
2. Launch the software function for the internal tank filling by selecting **ADDITIONAL FUNCTIONS** in the menu.

NOTICE



Make sure to select the specific filling function for the gas that you intend to recharge.

3. Follow the on-screen instructions.



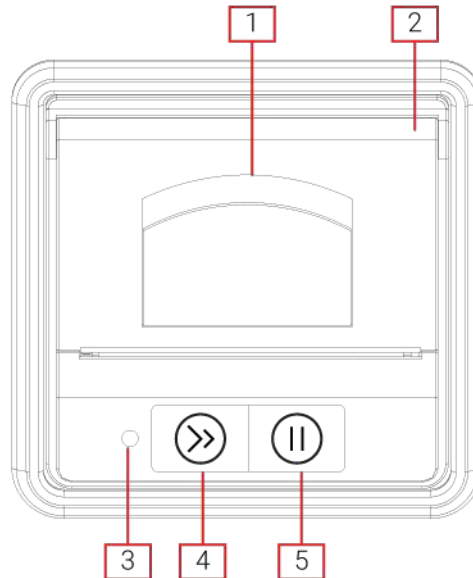
For further information see the software's Operating Manual.

13.2 How to Load the Paper into the Printer

The equipment can be fitted with a thermal printer.

INFORMATION

The thermal printer is an optional tool that can be purchased separately and must be installed by qualified personnel.



1. *Paper compartment opening lever*
2. *Paper compartment cover*
3. **Printer Status LED - GREEN**
4. **PAPER ADVANCE** button
5. **ON/OFF** button

The buttons on the printer have the following functions:

Button	Name	Function
	PAPER FEED	It allows the paper to come out.
	ON/OFF	It allows setting the printer on on-line/off-line mode.

The printer is equipped with a green LED that indicates its status:

- **Solid on:** *printer on-line*
- **Flashing:** *the printer is off-line or there is no paper*
- **Off:** *printer off-line*

The printer is automatically on-line when the equipment is switched on.

Press  if the status LED indicates that the printer is off-line.

Using the printer, it is possible to print a report containing the following information:

- *company data*
- *vehicle data*
- *customer data*
- *operations carried out*



For further information see the software's Operating Manual.

You must fill the printer with paper before use.

Proceed as follows:

1. Lift the paper compartment opening lever lightly until the corresponding cover locks.
2. Place the paper roll into the specific compartment.
3. Close the compartment by pressing lightly on the cover and leaving a slip of paper sticking out.



4. Press  to make sure the paper has been inserted correctly.
5. Repeat the operations indicated above if the paper does not come out.

13.3 Initial Configuration

The first time the equipment is turned on, it requires you to select the software's display language.

Once selected, the configuration wizard is started.

This procedure allows you to:

- *configure the communication between the equipment and the workshop's Wi-Fi network;*
- *set the system date and time;*
- *enter the workshop data;*
- *select the type of refrigerant used;*
- *etc.*



For further information see the software's Operating Manual.

13.3.1 Demo Mode

The equipment includes a demo mode (**Demo**).

The equipment can be used in **Demo** mode for a **maximum of 15 power on-power off cycles**.

INFORMATION

The equipment locks automatically at the end of the cycle and can no longer be used.

To unlock the equipment, you must activate the product online.

Alternatively, the equipment can be activated manually by requesting a specific unlock code.

For more information contact your retailer.

14 COMMUNICATION

The charging station's controller integrates the following:

- *Wi-Fi module*
- *Bluetooth module*

The charging stations also have a USB connector.

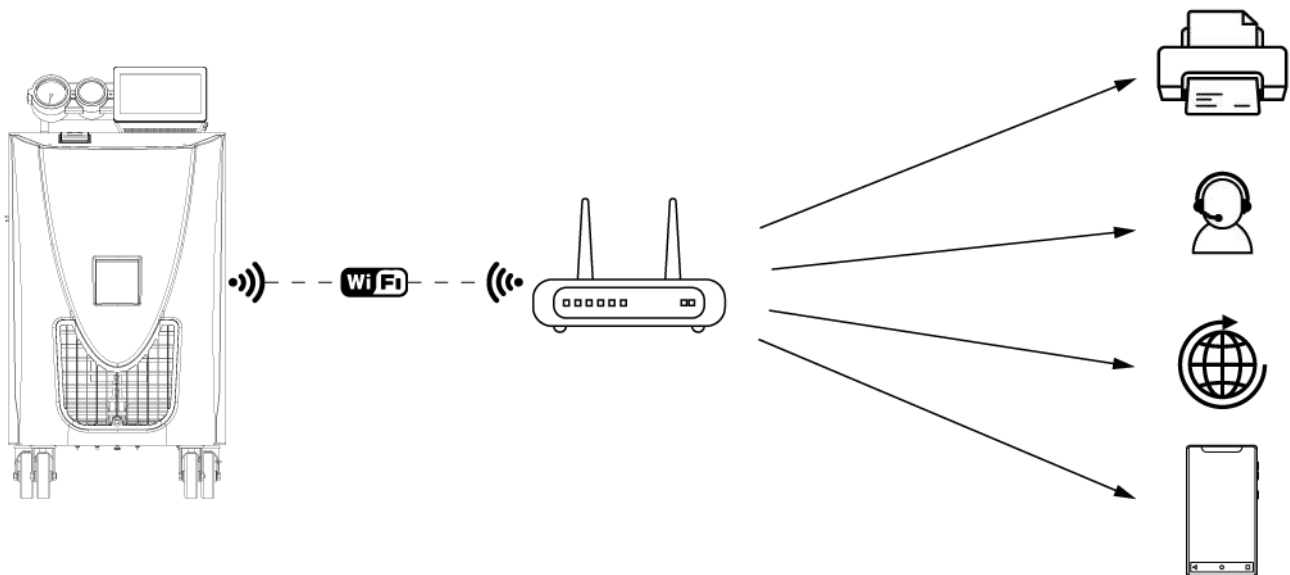
14.1 Wi-Fi

The Wi-Fi module built into the controller allows you to connect the charging station to the workshop's Wi-Fi network.

The Wi-Fi connection to the workshop's network allows the following:

- *connection to the printers in the network, to print reports in A4 format;*
- *download of updates;*
- *remote assistance;*
- *connection with smartphone in which the ACDUALPLUS app is installed.*

The connection to the Wi-Fi network must be configured through the software functions.



Proceed as follows:

1. *Turn on the charging station.*
2. *Access the communication configuration functions.*
3. *Start the configuration of the Wi-Fi communication.*
4. *Follow the on-screen instructions.*

INFORMATION

In order to print in A4 format, the charging station and the printer must be connected to the same Wi-Fi network.

To download updates and use the remote assistance functions, the Wi-Fi network must have an Internet connection.



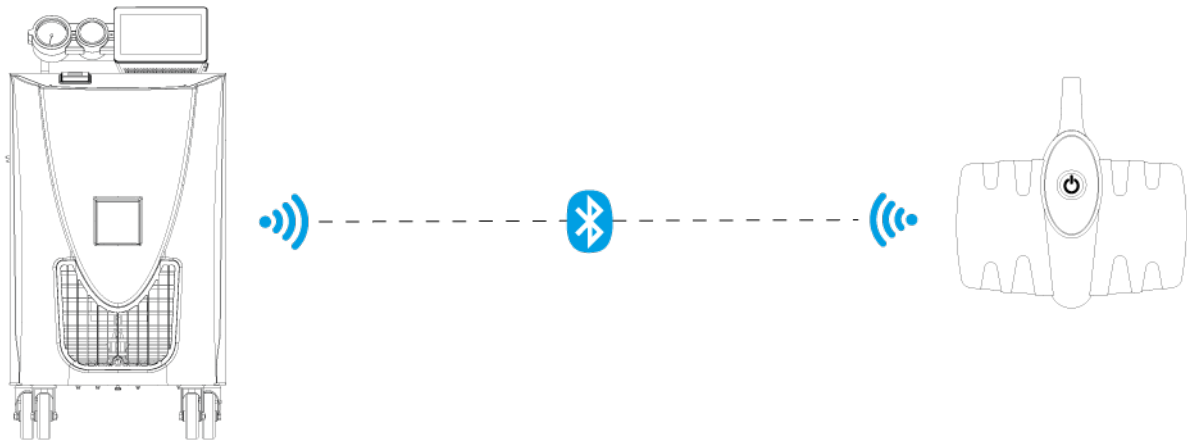
For further information see the software's Operating Manual.

14.2 Bluetooth

The Bluetooth module built into the controller allows you to connect the charging station to accessories such as:

- *A/C system efficiency testing kit;*

The Bluetooth connection must be configured through the software functions.



Proceed as follows:

1. *Turn on the charging station.*
2. *Access the communication configuration functions.*
3. *Start the configuration of the Bluetooth communication.*
4. *Follow the on-screen instructions.*



For further information see the software's Operating Manual.

14.3 USB

The USB connector located on the right side of the charging station allows you to:

- *access the manuals contained in the supplied USB flash drive;*
- *back up the reports of the services carried out and the entire system;*
- *install updates in off-line mode if the workshop does not have a Wi-Fi network with an Internet connection.*

NOTICE

Do not connect devices to the charging station via the USB connector.

15 User Instructions

The software in the charging stations allows selecting the vehicle to work on choosing among the ones in the database and launching all the functions required in order to recharge and check the vehicle's A/C system.

CAUTION

Monitor the equipment at all times during the operating phases, making sure to wear adequate personal protective equipment.



Proceed as follows:

1. *Place the charging station near the vehicle you wish to work on.*
2. *Power the charging station and turn it on.*
3. *Select the type of service that must be carried out.*
4. *Follow the on-screen instructions.*

The software provides on-screen indications required in order to carry out the various operations and warns if errors occur during the phases.



For further information consult the software's Operating Manual.

16 UPDATING

The firmware and software can be updated via:

- *WiFi*

INFORMATION

The update via Wi-Fi requires connecting the charging station to the Internet through the workshop's Wi-Fi network.

Proceed as follows:

1. *Turn on the charging station.*
2. *Access the page to search for and download any available updates.*
3. *Launch the software update function.*
4. *Wait for the update to complete.*

NOTICE

Keep the charging station on and powered as long as necessary for the update to complete.

INFORMATION

If the update via Wi-Fi cannot be carried out, contact the Technical Assistance.



For further information see the software's Operating Manual.

17 MAINTENANCE

This chapter describes the maintenance operations required for the device.

In general:

- *carefully follow the instructions provided in this manual;*
- *keep the product clean using a slightly damp cloth (do not use solvents or corrosive products);*
- *periodically inspect the electrical connections making sure they are in good conditions;*
- *immediately replace any damaged cables;*
- *only use original spare parts or spare parts approved by the manufacturer;*
- *contact your retailer for any extraordinary maintenance.*

CAUTION



The use of spare parts and accessories that are not approved by the manufacturer may compromise the equipment's efficiency and safety.

- **Carefully follow the instructions provided in this manual.**
- **Only use spare parts and accessories that are approved by the manufacturer.**

INFORMATION

For further help, contact the Technical Assistance service.

On the top of the service bulkhead there is a plate with all the information needed to contact the Technical Assistance Service.

**CAUTION-SHOULD BE OPERATED
BY QUALIFIED PERSONNEL
ATTENTION – UTILISATION RÉSERVÉE
À UN PERSONNEL QUALIFIÉ**

TEXA USA Inc.

292 Fernwood Ave

Edison, NJ 08837

www.texausa.com

service.amer@texa.com

Service telephone number: +1 855.200.8392

17.1 Ordinary Maintenance

Scheduled maintenance is made up of a series of operations that must be carried out periodically.

Specific messages will appear on the screen each time a maintenance operation has expired and needs to be carried out.

Maintenance operation	Frequency
Dehydrator Filter Replacement	When prompted by the device.
Mechanical Filter Replacement	Along with the dehydrator filter replacement.
Vacuum pump oil replacement	When prompted by the device.
Fuse Replacement	If broken.
Printer Paper Replacement	Each time the paper runs out.

WARNING



Unless indicated otherwise, the maintenance operations that require you to open the service door / bulkheads and to remove parts of the equipment must be carried out with the power supply cable disconnected from the mains.

When carrying out maintenance operations that require the equipment to be powered:

- operate on the indicated components only;
- avoid contact with live components (e.g. electrical wirings).

17.1.1 Dehydrator Filter Replacement

The filter must be replaced **when you are prompted to do so by the device**.

CAUTION

There could be accidental refrigerant leaks while replacing the filter.



Carefully follow the instructions provided below in order to avoid the refrigerant from getting into the atmosphere.

Wear appropriate protective glasses and gloves when replacing the filter.



You must carefully read and understand this Operating Manual in order to perform the provided instructions correctly.

Before replacing the filter you must reset the "**filter counter**" using the appropriate software function.

Proceed as follows:

1. *Switch on the equipment.*
2. Select **ADDITIONAL FUNCTIONS** -> **RESET COUNTER** -> **FILTER REPLACEMENT**.
3. *Follow the on-screen instructions.*

CAUTION

Do not open the equipment's service door until it is specifically indicated on the screen.



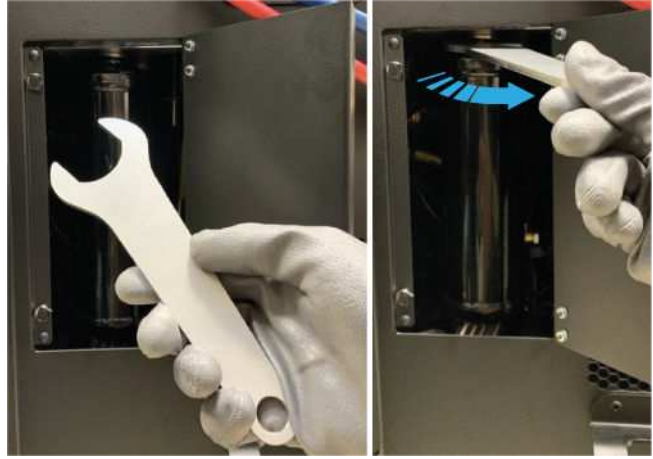
After resetting the counter you can replace the filter.

Proceed as follows:

1. Go to the right hand side of the equipment.
2. Locate the service flap.
3. Lift the opening lever.
4. Turn the lever clockwise.
5. Open the service flap.



6. Use the tool supplied with the equipment to loosen the filter.



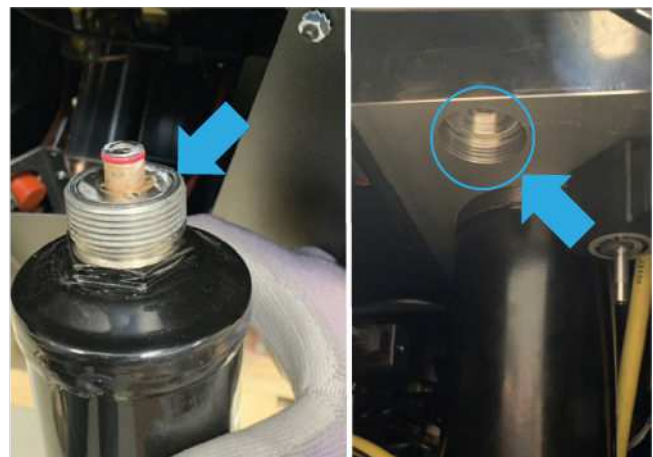
INFORMATION

As an alternative to the supplied tool, you can use a strap/chain wrench of a suitable size.

7. Manually unscrew the filter completely, being careful to hold it throughout the operation.
8. Pull out the old filter.



9. Make sure the o-ring is positioned correctly on the new filter.
10. Install the new filter: using the supplied tool, tighten it at a torque of 15 N m / 11.06 lbf·ft.



11. Close the service door.
12. Complete the operation following the instructions on the screen.

17.1.2 Mechanical Filter Replacement

The mechanical filter must be replaced at the same time the dehydrator filter is replaced.

CAUTION



There could be accidental refrigerant leaks while replacing the filter.

Carefully follow the instructions provided below in order to avoid the refrigerant from getting into the atmosphere.

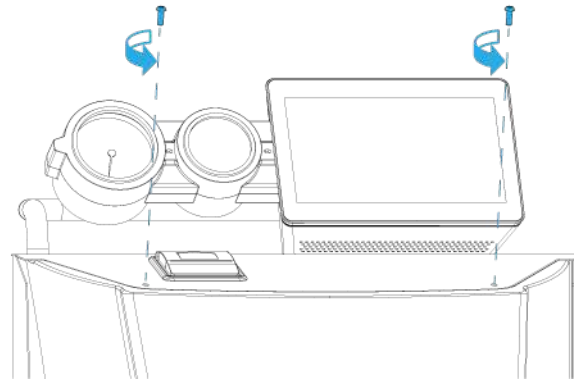
Wear appropriate protective glasses and gloves when replacing the filter.



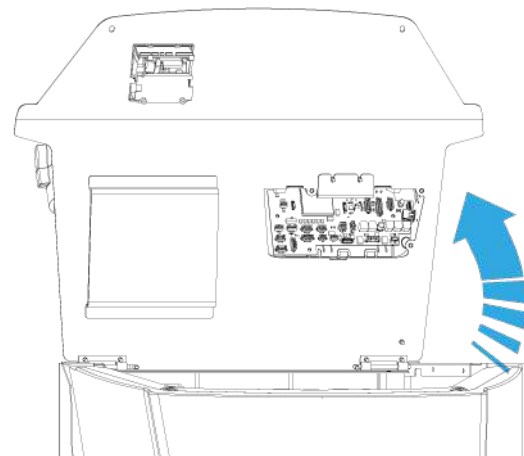
You must carefully read and understand this Operating Manual in order to perform the provided instructions correctly.

Proceed as follows:

1. Stand in front of the equipment.
2. Unscrew the two screws that close the front panel.



3. Gently lift the panel until it is fully open.



CAUTION



The panel is not fitted with a lock to keep it open.

Failure to open the panel fully until the stop position is reached may cause it to fall forward, exposing the operator to the risk of crushing.

Always open the panel completely, until reaching its full stop.

NOTICE



The panel has a maximum opening angle that allows easily accessing the inside of the equipment.

Forcing the panel beyond its maximum opening angle may damage the hinges that hold it and the wirings that connect the controller to the rest of the equipment.

Do not force the panel beyond its maximum opening angle.

4. Identify the copper pipe that connects the manifold to the expansion valve.



5. Use an open-end wrench no.19 to unscrew the nut that connects the copper pipe to the expansion valve.



NOTICE

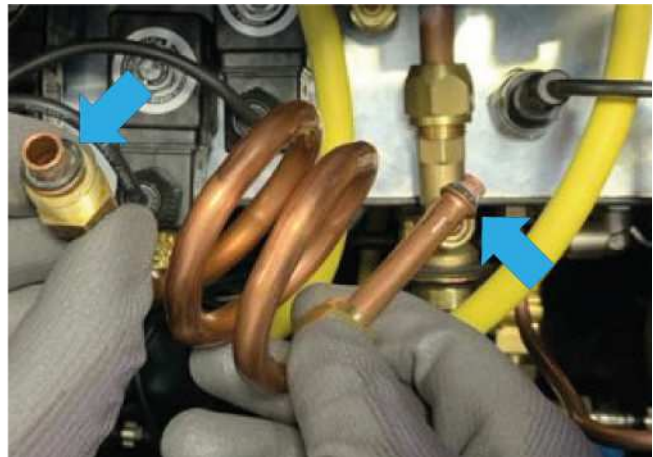


Hold the expansion valve throughout the operation, so as to oppose the torsion and avoid damaging the valve.

6. Use an open-end wrench no.16 to unscrew the nut that connects the copper pipe to the manifold.

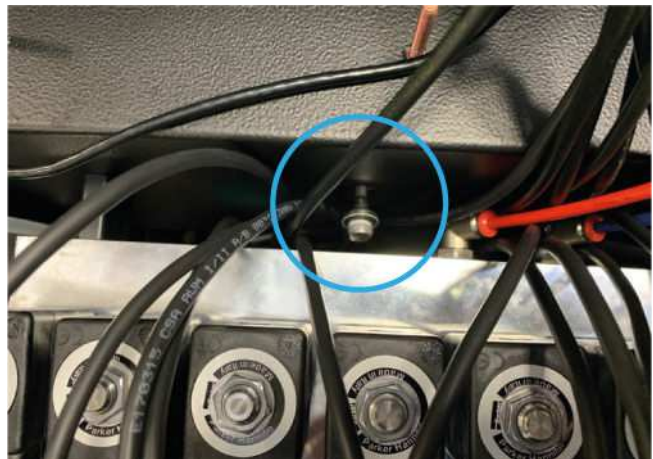


7. Remove the copper pipe. Replace the o-rings if they appear to be worn out.



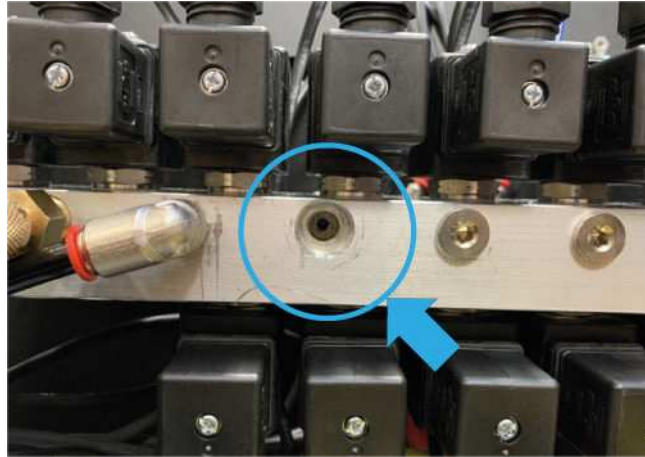
8. Stand behind the equipment.

9. Use a magnetic hexagonal wrench no.5 to unscrew and remove the mechanical filter cap.

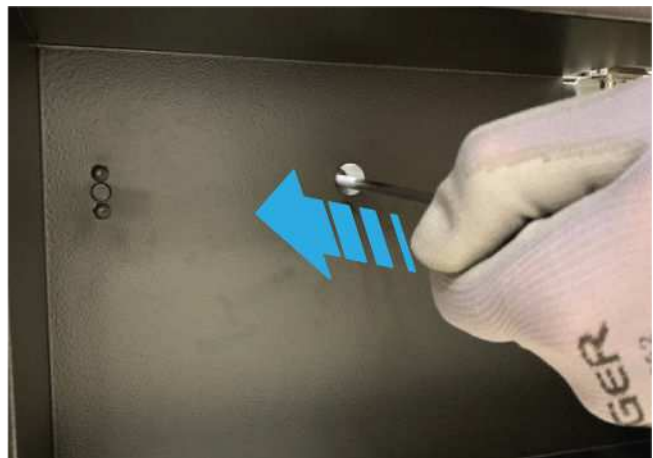


INFORMATION

Standing in front of the manifold, you can see the mechanical filter in its housing.



10. Insert a non-sharp tool of a suitable diameter on the back of the manifold through the specific hole behind the equipment.
11. Push until the mechanical filter is ejected from the front side of the manifold.



NOTICE



Damages to the manifold or residues from the old mechanical filter, caused by an improper removal, may compromise the proper operation of the equipment.

Be careful not to damage the manifold or the filter that must be replaced.

12. Fully insert the new mechanical filter inside its housing in the manifold.



NOTICE

The mechanical filter is conical and can be inserted in its housing only with the narrow part towards the manifold.



- **Make sure the filter is positioned properly.**
- **Do not force the filter inside its housing.**

13. Screw the mechanical filter cap back on, tightening with a torque of 8 N m / 5.9 lbf·ft.
14. Place back the copper pipe.
15. Use the open-end wrenches no.16 and no.19 to tighten the manifold side and expansion valve side nuts, tightening with a torque of 12 N m / 8.8 lbf·ft.
16. Gently lower the front panel until it is fully closed.
17. Screw the two screws that close the front panel.

17.1.3 How to Replace the Vacuum Pump Oil

The oil in the vacuum pump must be replaced **when you are prompted to do so by the device.**



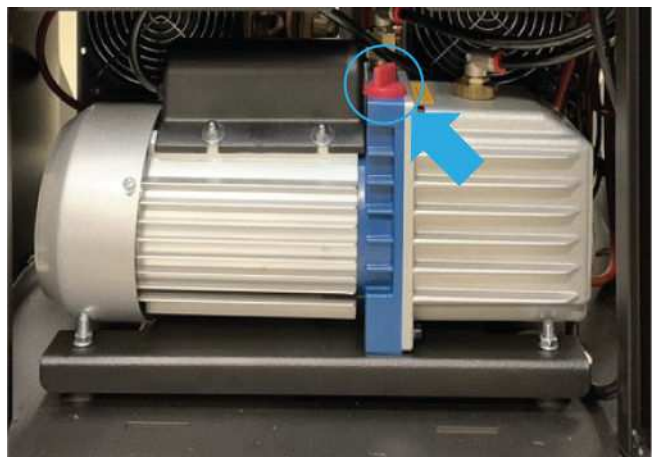
You must carefully read and understand this Operating Manual in order to perform the provided instructions correctly.

Proceed as follows:

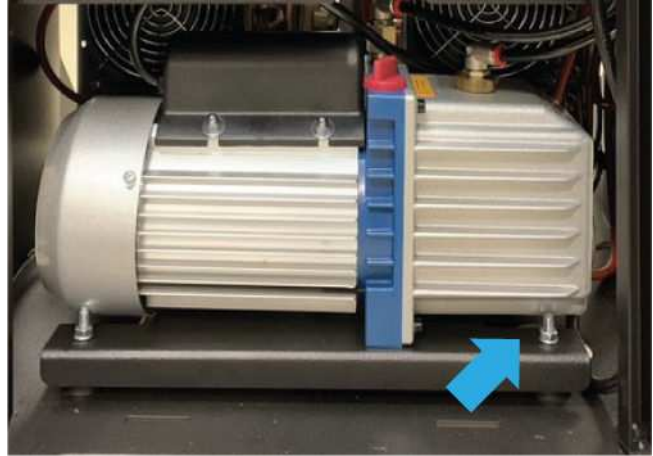
1. Stand behind the equipment.
2. Locate the service flap.
3. Lift the opening lever.
4. Turn the lever clockwise.
5. Open the service flap.



6. Unscrew the oil filler cap.



7. Place a suitable container to recover waste oil under the oil drain hole.
8. Unscrew the oil drain cap.



INFORMATION

The oil drain cap is placed under the equipment, near the pump oil level sight.

9. Wait for all the oil to drain from the pump.
10. Screw the oil drain cap on.
11. Fill with new oil.

INFORMATION

The total amount of oil to insert is approximately 12.51 fl oz / 370 ml.

The oil level must reach approximately half the pump oil level sight.

12. Screw the oil filler cap on.
13. Close the door.
14. Power and turn on the equipment.
13. Perform the **Pump Time Counter Reset**.

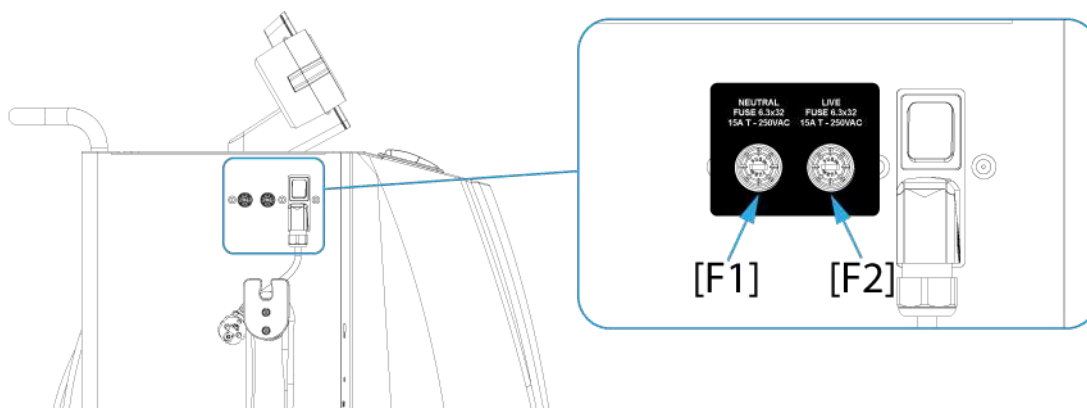
NOTICE

Collect the recovered oil and dispose of it according to the regulations in force.



17.1.4 Fuse Replacement

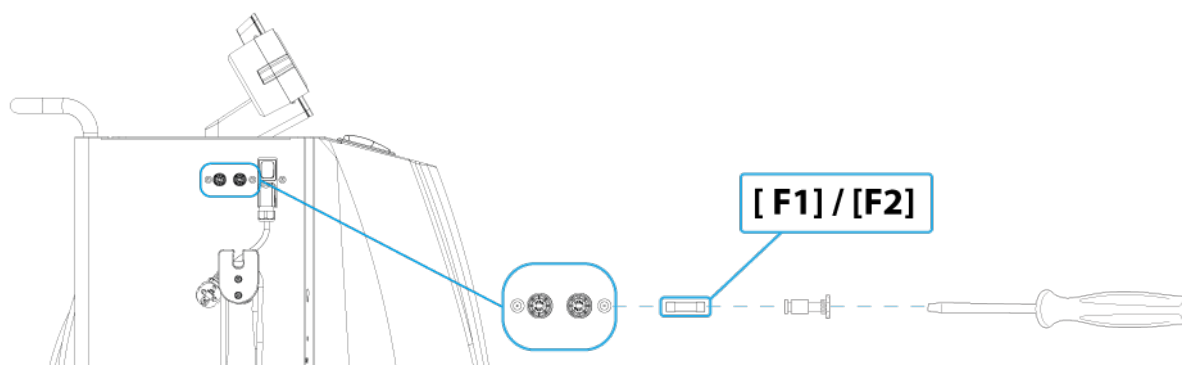
If blown, the cartridge fuses [F1] and [F2] must be replaced with other fuses having the same technical features:



- **[F1]:** Time-delay fuse 6.3x32 15A - UL198L mod. OMEGA ART. UTG632315
- **[F2]:** Time-delay fuse 6.3x32 15A - UL198L mod. OMEGA ART. UTG632315

INFORMATION

The indicated procedure is the same for both fuses.



Proceed as follows:

1. Pull out the fuse housing.
2. Remove the blown fuse.
3. Replace the fuse with one that has the same technical features.
4. Reinsert the fuse housing.

17.1.5 Replacing the Paper in the Printer

Follow the instructions provided in the chapter **Replacing the Paper in the Printer**.

17.2 Periodical Checks

In order to guarantee a correct operation of the device we recommend you check the parts that are the most subject to wear on a regular basis.

Parts subject to wear	Check
Service hoses	Make sure there are no cuts, scratches or bulges.
Quick fittings	Make sure there are no signs of wear and that the hoses do not harden during use. Make sure the service hoses are connected properly. Make sure there are no cuts or scratches on the O-rings.
DRAIN bottle	Make sure they are clear and not damaged.
Wheels	Make sure the brakes are working properly.
Power supply cable	Make sure there are no cuts, scratches or burns.

17.3 Periodical Safety Checks

In order to guarantee the correct operation of the device, carry out periodical checks on the safety devices.

The safety valve and safety pressure switch must be visually checked to verify that they are not damaged in order to guarantee that they are working properly.

WARNING



A periodic inspection of the operation of the safety devices (Safety Pressure Switch and Safety Valve) and of the integrity of the refrigerant liquid receiver must be carried out at intervals defined by the national regulations in force in the country in which the equipment is being used.

18 TECHNICAL FEATURES

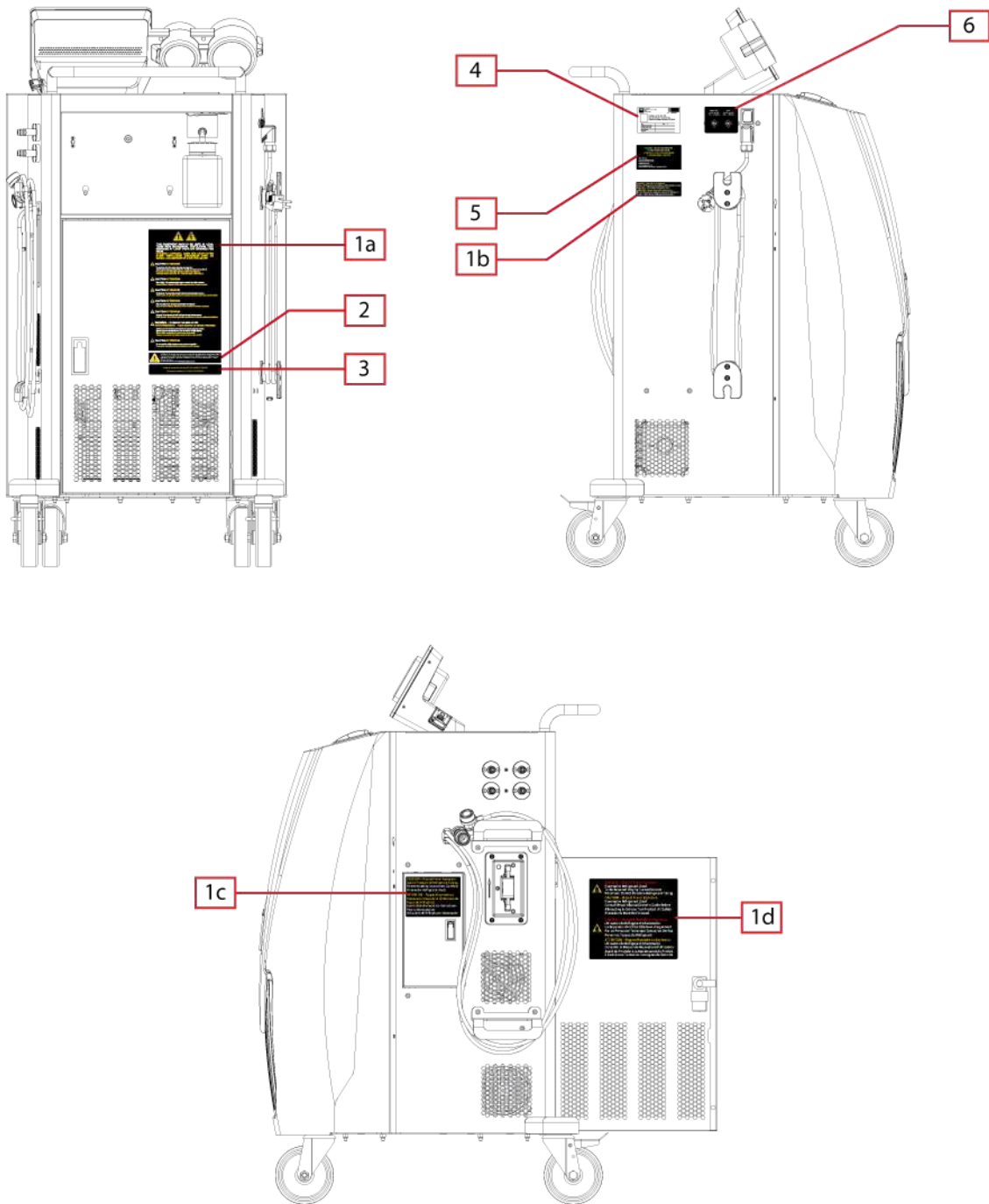
Builder	TEXA S.P.A.
Brand	MATCO TOOLS Corp.
Model	AC DUALPLUS
Display	10.1" TFT; 1024x600 pixel; 400CD Anti-glare
GPU	Qualcomm® Adreno™ 308 Graphics Processing Unit (GPU) with 64-bit addressing
Touch	Capacitive touch panel, 12C interface
CPU	• <i>SC200R Series Snapdragon QCM2150 Quad-core ARM Cortex-A53 64-bit CPU @ 1.3 Ghz</i> • <i>STM32F103 - ARM Cortex M3 32-bit CPU</i>
RAM	2 GB LPDDR3
Hard disk	16 GB eMMC
Operating system	Android 10.0
Audio peripheral devices	1 speaker CES-703116-28PM 8 ohm 2 W
Wi-Fi	802.11a/b/g/n, 150 Mbps, STA/AP/P2P 2402-2480 MHz 5 GHz
Bluetooth	2.1+EDR/3.0/4.1 LE/4.2 BLE 2400÷2483,5 MHz
RF power	20 dBm
I/O peripheral devices	USB 2.0 x1
Primary battery	3 V CR2032
Secondary battery	NiMh 2,4 V - 600 mAh
Fluid / Group	R134a / 2 R12324yf / 1
Electronic refrigerant scale (Precision)	± 10 g / ± 0.35 oz
Recovered oil electronic scale (Resolution)	1 g / 0.035 oz

Pressure transducer	KI. 1.0
High Pressure (HP) gauge	Ø 100 mm / Ø 3.937 in
Low Pressure (LP) gauge	Ø 80 mm / Ø 3.149 in
Tank capacity	2 x 12 kg / 2 x 26.45 lb
Length of service hoses	3 m / 9.84 ft
Filter assembly	1 combined filter + mechanical filter
Compressor (airtight)	12 cc
Vacuum pump	• 100 l/m / 3.5 cfm • two-stage • final pressure: 0,03 mbar / 3 Pa
Ambient temperature sensor (Resolution)	1 °C / 33.8 °F
Refrigerant purity	150 kg / 330 lb (SAE J2099)
Recovery efficiency	> 95 % (SAE J2788 / SAE J2843)
Maximum operating pressure (PS)	20 bar / 290 psi
Safety device calibration	20 bar / 290 psi
Power supply voltage	110 V
Frequency	60 Hz
Power	990 W
Operating temperature (TS)	5 ÷ 40 °C / 41 ÷ 104 °F
Storing temperature	- 25 ÷ 60 °C / -13 ÷ 140 °F

Dimensions	The image contains three technical line drawings of a mobile device. The leftmost drawing is a side profile view showing the device's height (dimension A) and width (dimension B). It features a main body with a control panel on the side and two wheels at the base. The middle drawing is a front view showing the device's width (dimension B) and depth (dimension C). It shows a front panel with a display and various buttons. The rightmost drawing is a rear view showing the device's depth (dimension C) and height (dimension A). It shows a rear panel with a display and various buttons. Red dimension lines with arrows indicate the measurements for A, B, and C. <i>A) 1200 mm / 47.24 in</i> <i>B) 730 mm / 28.74 in</i> <i>C) 600 mm / 26.62 in</i>
Weight	121 kg / 266.76 lb

19 DATA PLATE AND LABELS

en



SAFETY INDICATIONS

1a



THIS EQUIPMENT SHOULD BE USED IN LOCATIONS WITH MECHANICAL VENTILATION THAT PROVIDES AT LEAST FOUR AIR CHANGES PER HOUR
UTILISER L'APPAREIL DANS DES LIEUX DOTÉS D'UNE VENTILATION MÉCANIQUE AVEC AU MOINS 4 CHANGEMENTS D'AIR PAR HEURE

 **CAUTION ATTENTION**
To reduce the risk of fire, replace only with same type fuse :
6.3x32 mm time delay and rating 125V, 15A – 6.3x32 mm fast and rating 125V, 4A.
Pour réduire le risque d'incendie, remplacer les fusibles du même type :
6,3x32 mm retardé et débit 125V, 15A – 6,3x32 mm rapide et débit 125V, 4A.

 **CAUTION ATTENTION**
Risk of Injury. This equipment should only be operated by certified personnel
Risque de lésion. L'appareil doit être utilisé uniquement par un personnel qualifié

 **CAUTION ATTENTION**
Moving parts. Do not operate unit with front hood and rear hatches removed
Parties mobiles. Ne pas utiliser l'appareil si le couvercle avant et les portes arrière ont été enlevées

 **CAUTION ATTENTION**
Risk of electric shock. Disconnect power before servicing unit
Risque de chocs électriques. Débrancher avant de procéder à l'entretien de l'appareil

 **CAUTION ATTENTION**
Hot parts. Do not operate unit with front hood and rear hatches removed
Parties chaudes. Ne pas utiliser l'appareil si le couvercle avant et les portes arrière ont été enlevées

 **WARNING – TO REDUCE THE RISK OF FIRE**
AVERTISSEMENT – POUR RÉDUIRE LE RISQUE D'INCENDIE
Avoid the use of an extension cord because the extension cord may overheat.
However if you use an extension cord, the cord shall be 14AWG minimum
Éviter d'utiliser une rallonge car il pourrait y avoir un surchauffe
Toutefois, si vous utilisez une rallonge, celle-ci doit être au moins 14 AWG

 **CAUTION ATTENTION**
Do not use in the vicinity of spilled or open containers of gasoline
Ne pas utiliser à proximité des fuites ou collecteurs ouverts d'essence

1b

CAUTION – Risk of Fire or Explosion.
Dispose Of Properly in Accordance with Federal or Local Regulations. Flammable Refrigerant Used.

ATTENTION - Risque d'Incendie ou Explosion.
Éliminer Correctement Selon les Normes Fédérales ou Locales. Utilisation De Réfrigérant Inflammable.

1c

CAUTION – Risk of Fire or Explosion
Due to Puncture of Refrigerant Tubing.
Follow Handling Instructions Carefully.
Flammable Refrigerant Used.

ATTENTION - Risque d'Incendie ou Explosion à Cause de la Perforation du Tuyau de Réfrigérant.
Suivre Attentivement les Instructions
Pour la Manipulation.
Utilisation de Réfrigérant Inflammable.

1d



DANGER: – Risk of Fire or Explosion.
Flammable Refrigerant Used.
To Be Repaired Only by Trained Service Personnel. Do Not Puncture Refrigerant Tubing.

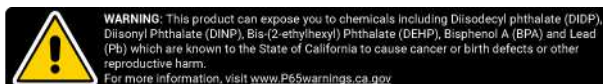
CAUTION – Risk of Fire or Explosion.
Flammable Refrigerant Used.
Consult Repair Manual/Owner's Guide Before Attempting to Service This Product. All Safety Precautions Must Be Followed.



DANGER: – Risque d'Incendie ou Explosion.
Utilisation de Réfrigérant Inflammable.
La Réparation Doit Être Effectuée Uniquement Par un Personnel Technique Spécialisé. Ne Pas Percer les Tuyaux du Réfrigérant.

ATTENTION - Risque d'Incendie ou Explosion.
Utilisation de Réfrigérant Inflammable.
Consulter le Manuel de Réparation/d'Utilisation Avant de Procéder à la Maintenance du Produit. Il Faut Suivre Toutes les Consignes de Sécurité.

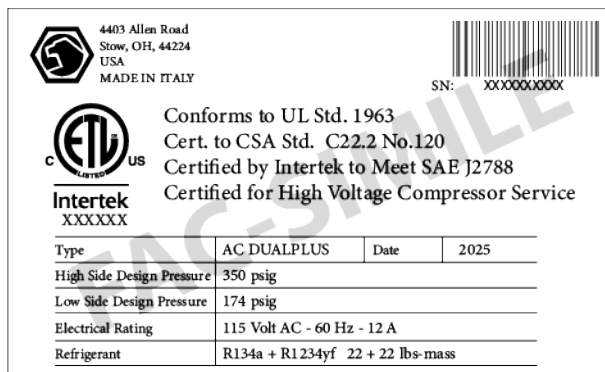
2. PROPOSITION 65



3. FCC ID

Contains Transmitter Module FCC ID: XMR20SC200RWF
This device contains IC: 10224A-20SC200RWF

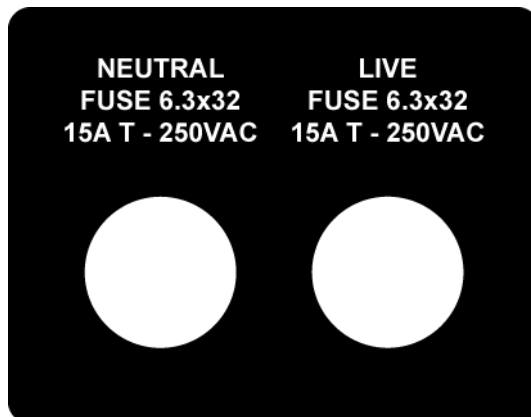
4. DATA PLATE



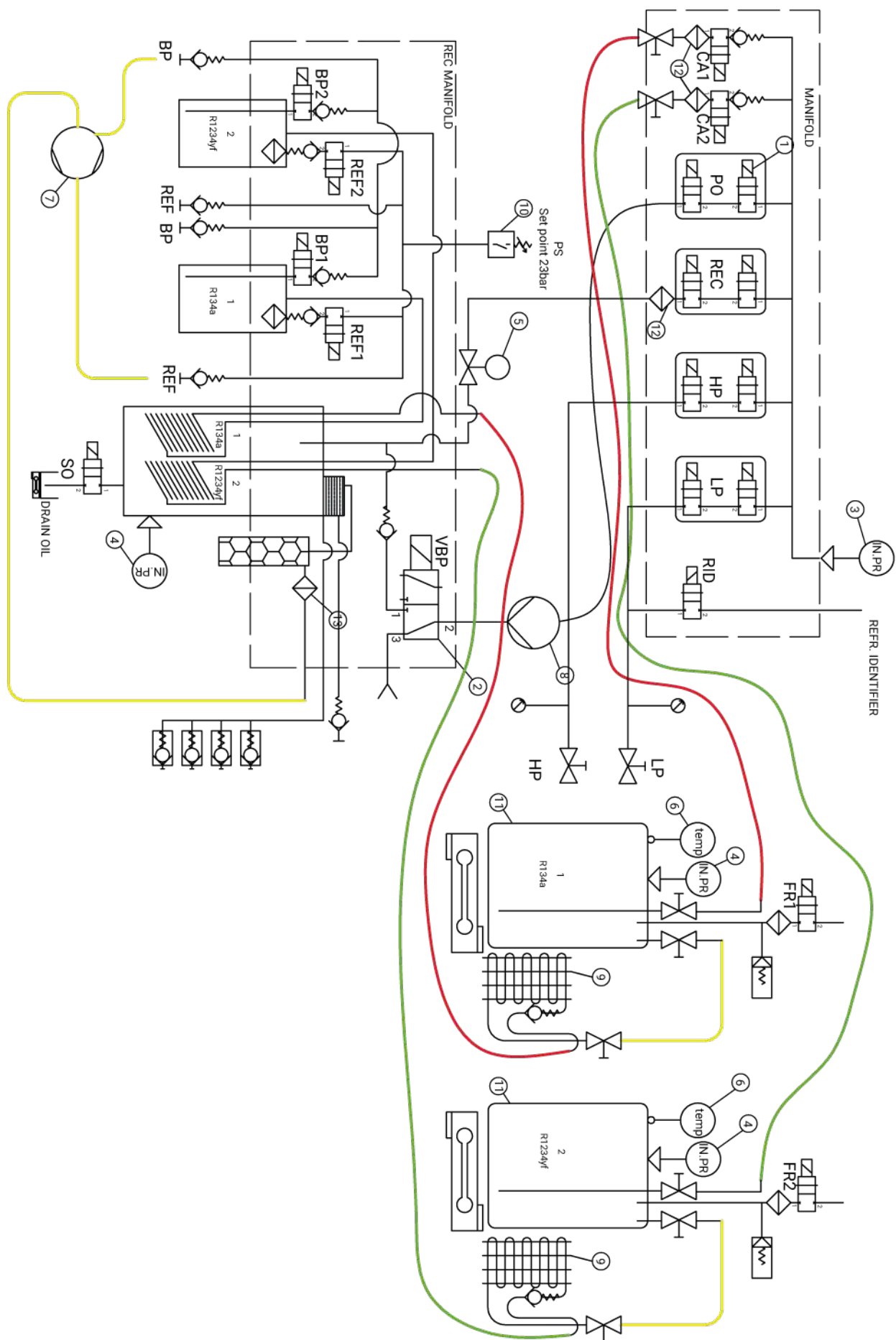
5. TECHNICAL ASSISTANCE CONTACTS



6. FUSE INDICATIONS



20 HYDRAULIC DIAGRAMS



21 DISPOSAL

Below you will find information on how to properly dispose of the device.

21.1 How to Dispose of the Device

In order to dispose of the device proceed as follows:

1. *Ask assistance personnel to collect all the refrigerant within the internal circuit, making sure the internal storage tank is emptied as well.*
2. *Take the equipment to a waste disposal centre.*



For more information regarding the disposal consult the pamphlet provided with the device.

21.2 How to Dispose of the Recycled Materials

The refrigerants that cannot be reused must be taken to the supplier of the refrigerant for it to be disposed of.

The oils removed from the systems must be taken to used oil collection centres.

22 LEGAL NOTICES

TEXA S.p.A.

Via 1 Maggio, 9 - 31050 Monastier di Treviso - ITALY

Tax Code - Company Register of Treviso ID No. - VAT No.: 02413550266

Single-shareholder company subject to the direction and coordination activities of Opera Holding S.r.l.

Paid-up share capital 10.000.000 € - R.E.A. (Economic Administrative Index) No. 208102

Phone: +39 0422.791.311

E-Mail: info.it@texa.com

www.texa.com

MANUFACTURER'S WARRANTY IN NORTH AMERICA

The manufacturer's warranty on the purchased "MATCO Powered by TEXA" product is subject to the following conditions. Therefore, the warranty herein does not coincide with the legal guarantee provided by the seller to the customer.

1. LIABILITY

The customer is liable for the use of tools and software programs granted through an authorized retailer MATCO.

The customer shall be responsible for any damage resulting from improper use of MATCO powered by TEXA products and software programs or use of them without complying with the instructions described in the relevant instructions/user manuals.

The customer is aware that the data and information contained in the purchased tools and in the related software are intended for car repair professionals and that, by their nature, they may not be complete or correct and, therefore, it is the customer's responsibility to integrate such data/information obtained from the MATCO Powered by TEXA tools with their own professional knowledge.

The customer is also aware that it is necessary to carry out constant updates on the product, as made available by MATCO Powered by TEXA, to guarantee both the safety and reliability of the MATCO Powered by TEXA product and to ensure that it is in line with continuously evolving technical needs.

2. WARRANTY

2.1 Hardware

The manufacturer provides a warranty on the tool (hardware) for a period of 24 (twenty-four) months starting from the date of activation of the product software (as resulting from the manufacturer's systems), and in any case no later than 27 (twenty-seven) months from the date of delivery of the tool from the manufacturer TEXA to the distributor/retailer (as resulting from TEXA records). It is the customer's responsibility to verify the start and therefore the expiry of the warranty on their product.

The warranty is valid on condition that the MATCO Powered by TEXA product is used correctly, in compliance with its intended use and the technical information provided.

Any different warranty provided by the retailer must be understood to be the exclusive responsibility of the latter with full indemnity of TEXA as the manufacturer.

This warranty guarantees the product against manufacturing faults and defects, ascertained and recognized by the TEXA assistance network, during the warranty period indicated above. This warranty consists of the obligation of the retailer and/or authorized service center to restore the functionality of the products free of charge by replacing or repairing the defective components. The spare parts may be new or functionally equivalent to new parts.

The **warranty does not cover** faults or malfunctions due to:

- a) *improper use, negligence, incorrect calibration, insufficient and/or inadequate maintenance according to the user manual (see also section 2.5 below), incorrect electrical installation, transformation, modification, tampering, incorrect assembly or disassembly, bad storing, non-compliant use, accidents caused by third parties;*
- b) *damage caused by transportation;*
- c) *use of software, interfaces, parts or materials not authorized by TEXA;*

- d) *use of the product in environments that do respect the parameters specified for the product;*
- e) *wrong preparation or maintenance of the environment where the products are used.*

Please note that some product components may be subject to different warranty conditions. This applies to product components subject to a natural deterioration process and subject to warranty restrictions imposed by TEXA suppliers. Below is a list of parts and components subject to different warranty conditions (these components and the duration of the warranty may vary over time, therefore, it is the customer's responsibility to check for any updates by contacting the manufacturer or on the website www.texa.com).

2.1.1 Batteries

The batteries, with which some tools may be equipped, have a 6 (six) month warranty starting from the date of delivery of the product to the retailer by TEXA (as shown by TEXA records).

2.1.2 Power adapters

The power adapters are covered by a 12 (twelve) month warranty starting from the date of delivery of the product to the retailer by TEXA (as shown by TEXA records). The warranty is not valid in the event of tampering, alteration of the components or removal of the protective adhesive labels.

2.1.3 Oxygen Sensor

The oxygen sensors have a 12 (twelve) month warranty starting from the date of delivery of the product to the retailer by TEXA (as shown by TEXA records).

2.1.4 Printer cartridges, printheads, cables and other third-party products supplied

In case the customer is also supplied with components/products manufactured by third parties (other than TEXA) they will be provided with the original manufacturer's warranty. The duration of the warranty is indicated on the packaging or directly on such product.

The warranty does not apply to refilled cartridges, regenerated products and to products improperly used or tampered.

2.1.5 Secure Digital

The digital memories that some tools may be equipped with have a 1 (one) year warranty. The warranty limitations described in point 2.1 also apply to them.

2.2 Software

In developing the software included in the tool referred to in this manual, the manufacturer has adopted the best techniques and knowledge to ensure that the information is as accurate and complete as possible. However, TEXA cannot guarantee that the software itself always satisfies the specific needs of the customer or that it can always function correctly and/or that it is free from inaccuracies; this is also due to the fact that the data contained in the programs or databases may come from different sources/third parties and that they evolve on the basis of technical knowledge.

For this reason, IT IS THE EXCLUSIVE RESPONSIBILITY OF THE CUSTOMER TO CHECK FOR THE PRESENCE OF OFFICIAL SOFTWARE UPDATES MADE AVAILABLE BY THE MANUFACTURER AND TO PROVIDE AT HIS OWN EXPENSE AND CARE (WITH DATA CONNECTION AT THE CUSTOMER'S EXPENSE) TO DOWNLOAD THE OFFICIAL UPDATES FOR THE "MATCO POWERED BY TEXA" PRODUCTS AND TO INSTALL THEM IN THE TOOL IN USE.

The manufacturer TEXA warrants that the software can perform the operations foreseen and indicated in the technical descriptions relating to the programs and in the tool's user manual for a warranty period of 2 (two) years from the date of activation of the software (as resulting from TEXA records).

THIS WARRANTY IS SUBJECT TO THE CORRECT USE OF THE TOOL AND THE SOFTWARE BY THE CUSTOMER AND THE CONSTANT UPDATING OF THE SOFTWARE BY THE CUSTOMER AS DESCRIBED ABOVE.

TEXA has designed and developed the software in Italy based on the knowledge and requirements, including regulatory requirements, in force in such country and in European Union at the date of release of the software (check the software version for reference). The software is intended EXCLUSIVELY for use by a professional repairer of vehicles/cars in the territory of the states of: United States of America and Canada.

ANY DIFFERENT USE OR USE OUTSIDE THESE TERRITORIAL LIMITS IS NOT PERMITTED AND WILL NOT BENEFIT FROM ANY WARRANTY FROM THE MANUFACTURER.

THIS WARRANTY DOES NOT COVER malfunction caused by:

- i. software conflicts when it is installed on hardware platforms other than those produced by TEXA (for example, personal computers, pocket PCs, tablet PCs);*
- ii. viruses or malicious programs;*
- iii. failure to apply software updates despite the availability of the update by the manufacturer;*
- iv. third-party software components, databases, patches.*

THE WARRANTY DOES NOT COVER DIRECT AND INDIRECT DAMAGES CAUSED BY THE USE OF THE SOFTWARE TO THE CUSTOMER AND/OR THIRD PARTIES.

Except as otherwise provided by law, TEXA DOES NOT OFFER OR RECOGNIZE ANY OTHER AND DIFFERENT WARRANTY WITH RESPECT TO THE ABOVE.

2.3 Where repairs covered by warranty are carried out

All repairs under warranty, as indicated above, must be carried out at TEXA or at the TEXA authorized service center or at the retailer in cases permitted in writing by TEXA.

2.4 Transportation

The above warranty does not cover damage due to transport or careless or improper packaging carried out by the customer or by carriers appointed or under the customer's responsibility.

In the event of a malfunction or defect in the product, the customer is responsible for contacting the retailer and/or TEXA (contacts are published on www.texausa.com).

The return of any product or component to be repaired must be agreed in advance with TEXA or with an authorized TEXA assistance center.

2.4 Maintenance

Before being delivered to the customer, the product has been tested by the manufacturer. However, the products must always be subjected to regular periodic maintenance (for example, a systematic check is necessary to ensure the good condition of the filters and sensors, liquid levels, etc.) and must be cleaned and carefully stored in a suitable room in accordance with the specifications of the user manual. The right to repairs covered by the warranty may lapse if all the minimum maintenance interventions described in the manual supplied with the product are not carried out, as well as any extraordinary interventions that may be communicated by the retailer and/or the manufacturer.

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TEXA products and software, including "MATCO Powered by TEXA", are protected by copyright and the industrial and intellectual property rights on them are reserved exclusively to TEXA S.p.A.

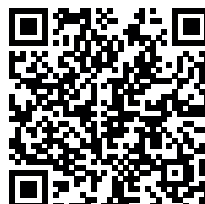
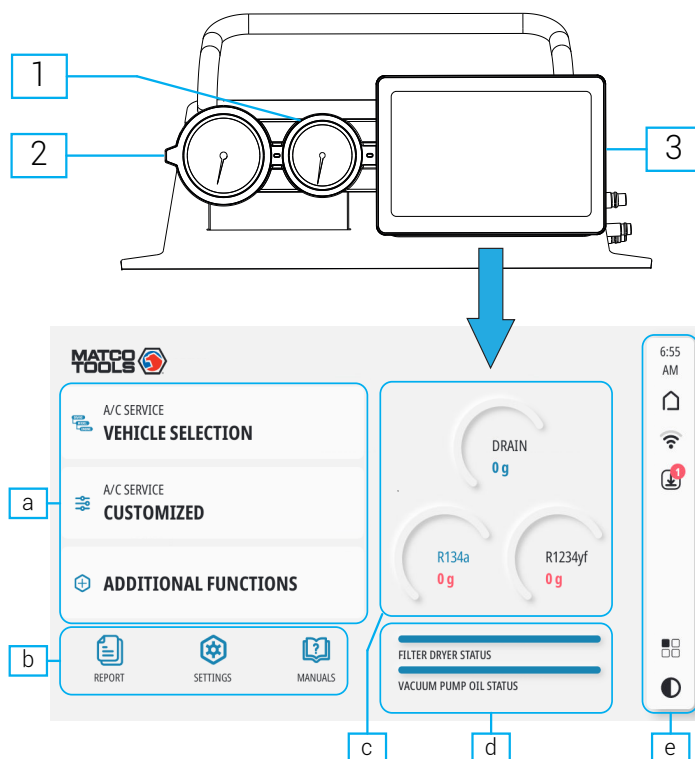
The use of the software is regulated by specific license agreements that appear on the home screen at the time of installation/activation and that must be read and accepted by the customer. Likewise, the license agreement must be accepted by the customer at each update by the licensing manufacturer. The license agreement can also be consulted at any time in the specific section of the software.



SICUREZZA / SAFETY / SÉCURITÉ



UNITÀ DI CONTROLLO / CONTROL PANEL / CALCULATEUR



Per scaricare i manuali dello strumento, si prega di utilizzare il QR CODE

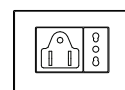
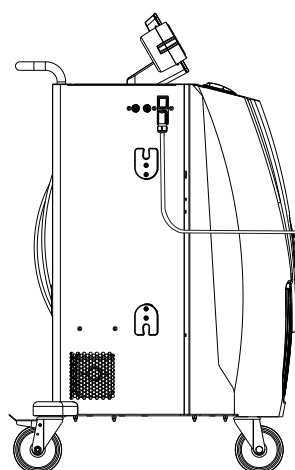
Use the QR CODE to download the tool's manuals

Pour télécharger les manuels de l'instrument, merci d'utiliser le code QR

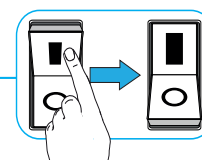
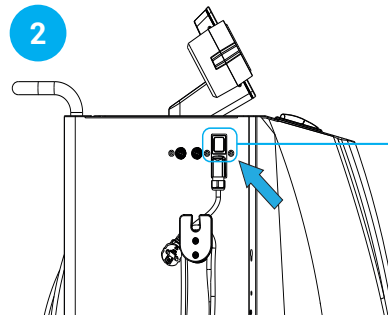
1. Manometro LP / Low Pressure (LP) gauge / Manomètre LP
2. Manometro HP / High Pressure (HP) gauge / Manomètre HP
3. Display touchscreen / Touchscreen display / Écran tactile:
 - a. Servizio A/C e Funzioni Aggiuntive / A/C Service and Additional Functions / Service CA et Fonctions additionnelles
 - b. Funzioni di Servizio / Service Functions / Fonctions de Service
 - c. Tipo e quantità dei fluidi / Type and quantity of fluids / Type et quantité de fluides
 - d. Stato dei consumabili / Status of consumables / État des consommables
 - e. Informazioni e funzioni di sistema / System information and functions / Informations et fonctions du système

1 - ACCENSIONE / POWER ON / ALLUMAGE

1

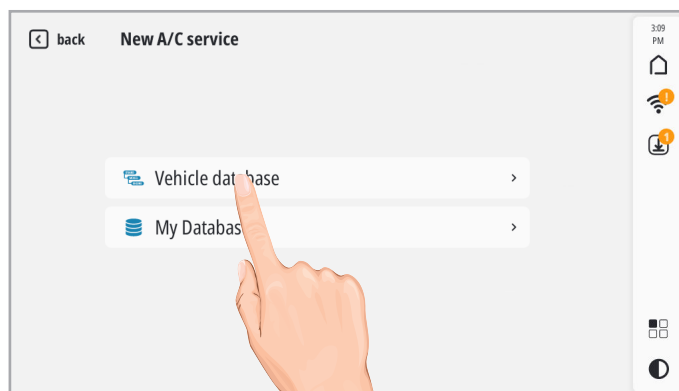
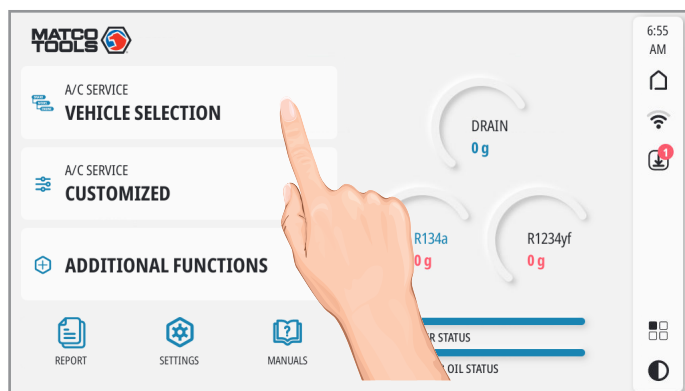


2

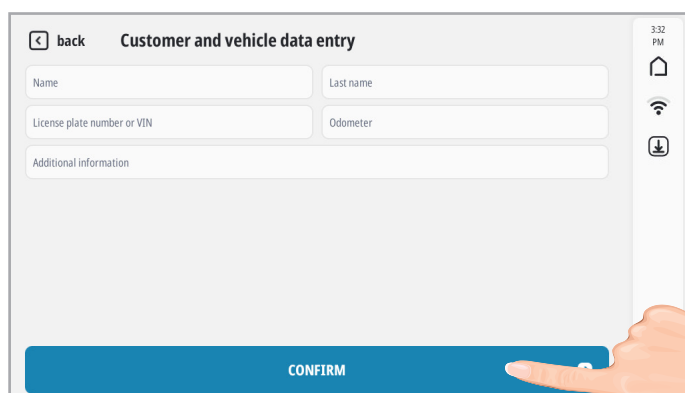
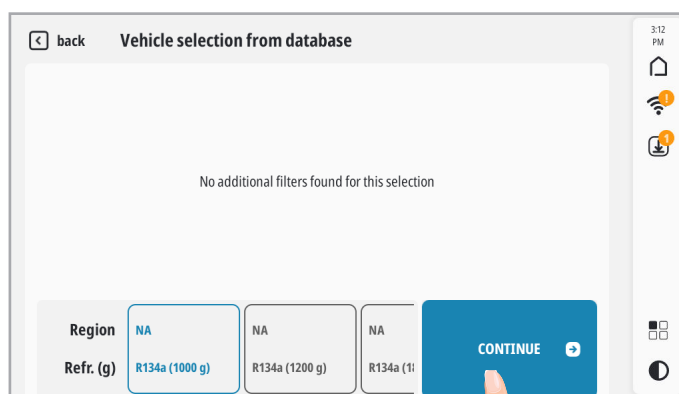
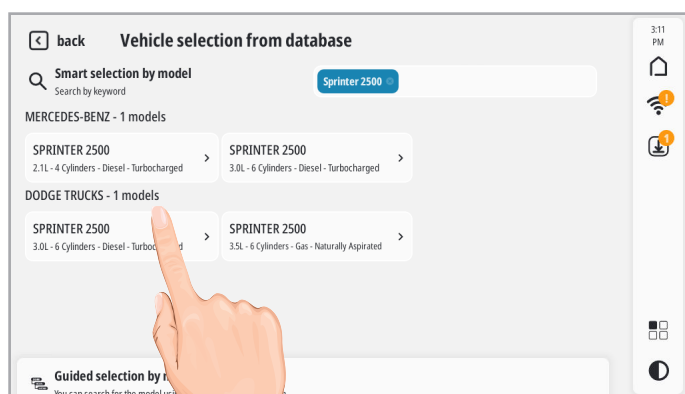
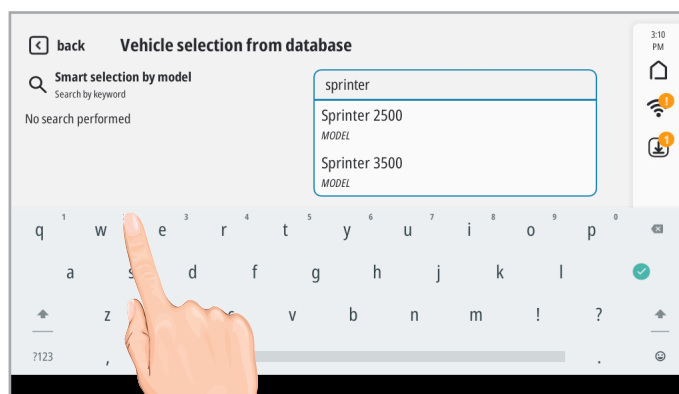
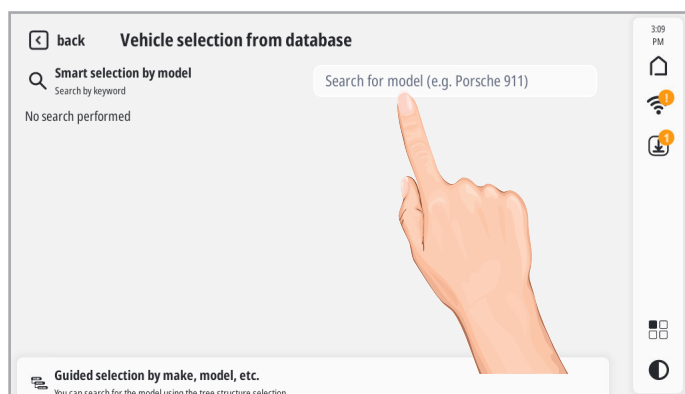




2a - SELEZIONE VEICOLO / VEHICLE SELECTION / SÉLECTION DE VÉHICULE



Selezione Intelligente / Smart Selection / Sélection intelligente





Selezione Guidata / Guided Selection / Sélection guidée

back Vehicle selection from database 3:09 PM

Smart selection by model
Search by keyword

Search for model (e.g. Porsche 911)

No search performed

Guided selection by make, model, etc.
You can search for the model using the tree structure selection

3:09 PM

back Vehicle selection from database 3:12 PM

Smart selection by model
Search by keyword

Search for model (e.g. Porsche 911)

Guided selection by make, model, etc.
You can search for the model using the tree structure selection

ACURA	AGCO	ALFA ROMEO	AM GENERAL
AUDI	BMW	BUICK	CADILLAC
CASE I-H	CHALLENGER	CHEVROLET	CHEVROLET TRUCKS
CHRYSLER	CLAAS	DAEWOO	DAF
DEUTZ	DODGE	DODGE TRUCKS	EAGLE

3:12 PM

back Vehicle selection from database 3:15 PM

No additional filters found for this selection

Region NA NA

Refr. (g) R134a (769 g) R134a (740 g)

CONTINUE

3:15 PM

back Customer and vehicle data entry 3:32 PM

Name Last name

License plate number or VIN Odometer

Additional information

CONFIRM

3:32 PM

2b - PERSONALIZZATO / CUSTOMISED / PERSONNALISÉ

MATCO TOOLS 6:55 AM

A/C SERVICE VEHICLE SELECTION

A/C SERVICE CUSTOMIZED

ADDITIONAL FUNCTIONS

REPORT SETTINGS

DRAIN 0 g

R134a 0 g

R1234yf 0 g

DRYER STATUS

PUMP OIL STATUS

6:55 AM

back Customer and vehicle data entry 3:32 PM

Name Last name

License plate number or VIN Odometer

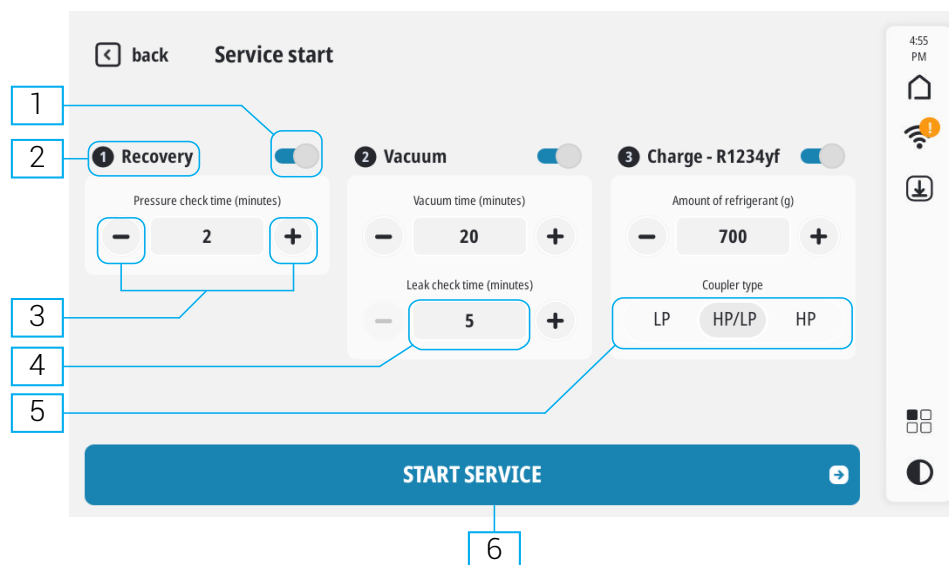
Additional information

CONFIRM

3:32 PM

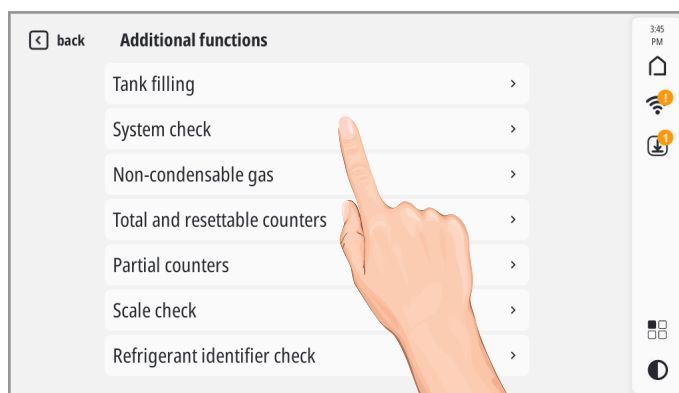
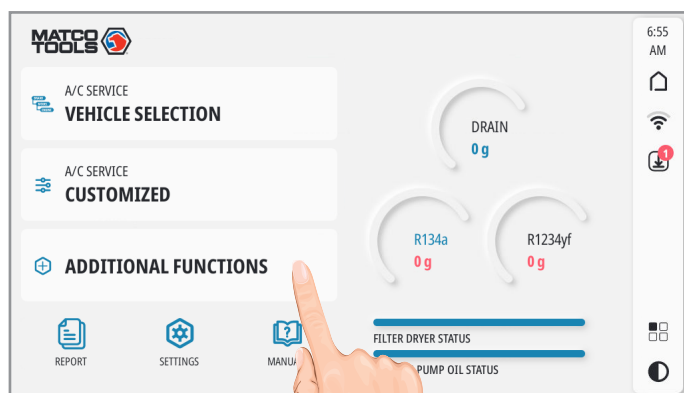


3. AVVIA SERVIZIO / START SERVICE / DÉMARRER LE SERVICE



1. Selezione / deselezione fase / Phase selection / deselection / Sélection / désélection de phase
2. Fase / Phase / Phase
3. Decrementa / incrementa / Decrease / increase / Décroissance / incrémentation
4. Quantità (campo editabile) / Quantity (editable field) / Quantité (champ éditabile)
5. Campi a scelta multipla / Multiple-choice fields / Champs à choix multiples
6. Avvia servizio / Start service / Démarrer le service

FUNZIONI ADDIZIONALI / ADDITIONAL FUNCTIONS / FONCTIONS ADDITIONNELLES



- Riempimento serbatoio / Tank filling / Remplissage du réservoir
- Verifica impianto / System check / Vérification système
- Gas incondensabili / Non-condensable gas / Gaz incondensables
- Contatori totali e resettabili / Total and resettable counters / Compteurs totaux et à réinitialiser
- Contatori parziali / Partial counters / Compteurs partiels
- Controllo bilancia / Scale check / Contrôle balance
- Verifica identificatore refrigerante / Refrigerant Identifier Check / Vérification de l'identificateur du réfrigérant