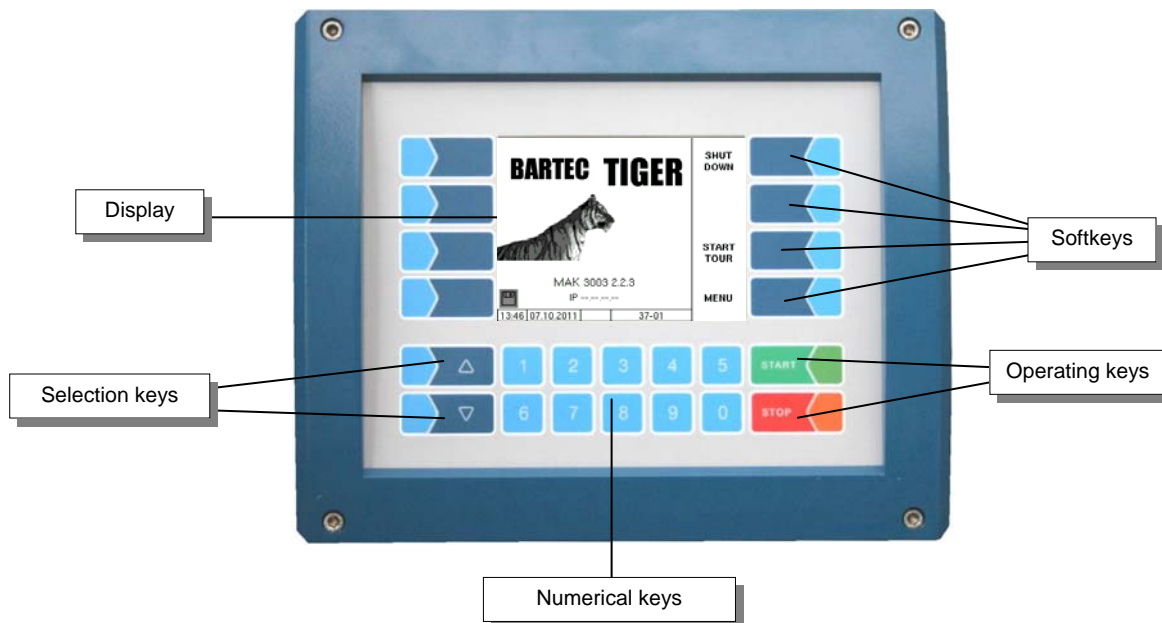


Quick User Guide

Description of the operating unit



Operating keys:

The operating keys have a fixed meaning, e.g. scroll up and down, start and stop pumping, number keys to enter numeric data etc.

Softkeys:

Software controlled keys - depending on the respective operating state, these keys are activated by the software and will have different functions assigned to them - this function is shown beside the softkey on the display, e.g. MENU, SHUT DOWN etc.

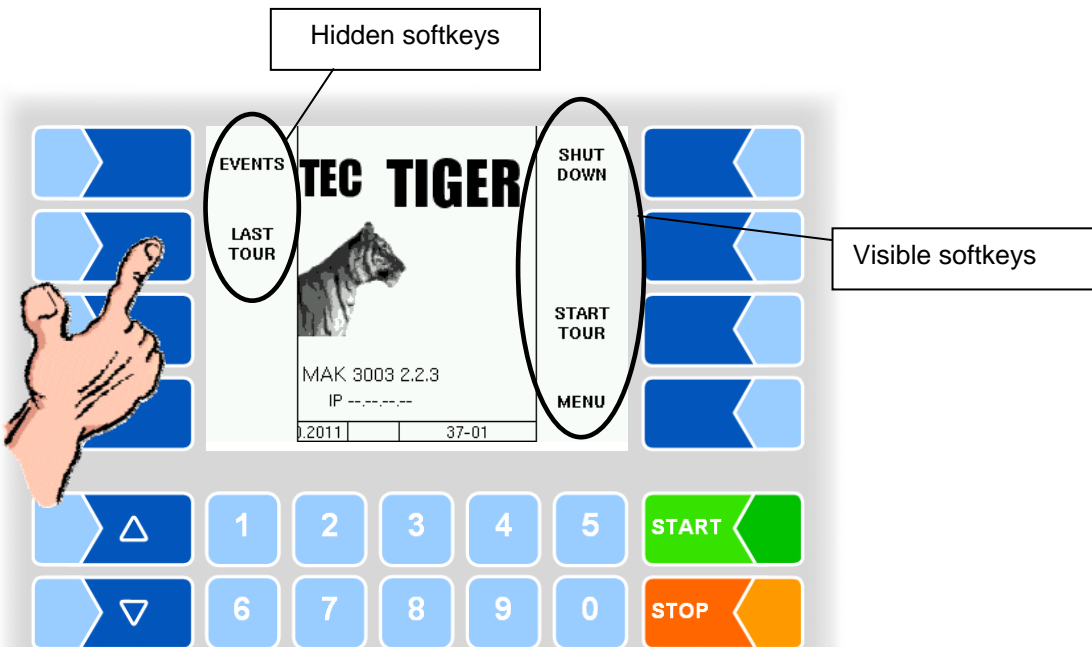
Attention:

Some soft keys are "hidden" so that they don't clog up the screen. To activate a hidden soft key function, press any soft key on the corresponding side of the screen and the function will be displayed for 3 seconds - e.g. to activate the EVENTS screen, press any soft key on the left side of the display → the EVENTS function becomes visible and should be pressed within 3 seconds else it will vanish again.

Basic screens and functions



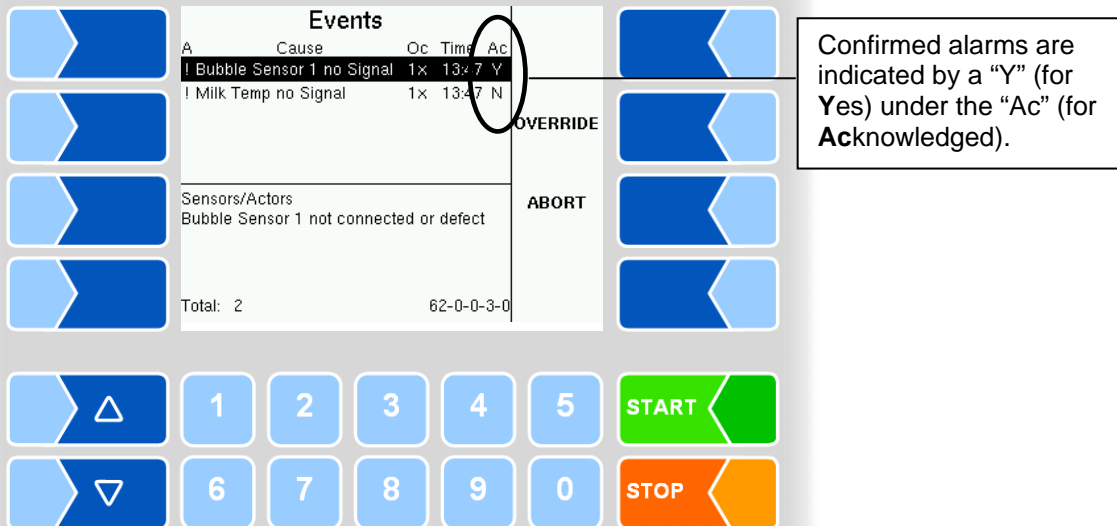
Start-up screen: you will see this screen when the system starts up or after you have ended a tour.



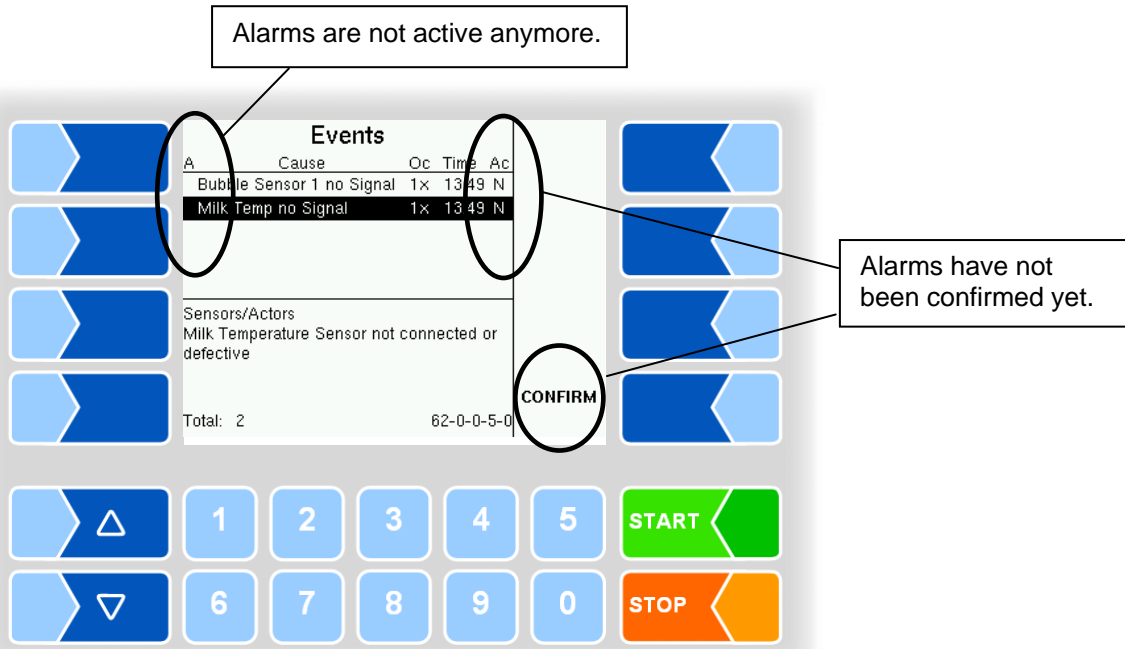
The system offers so called hidden functions. E.g. to display the EVENTS and LAST TOUR hidden functions, press any left soft key → the EVENTS and LAST TOUR functions become visible and should be pressed within 3 seconds to activate, else they will disappear again.



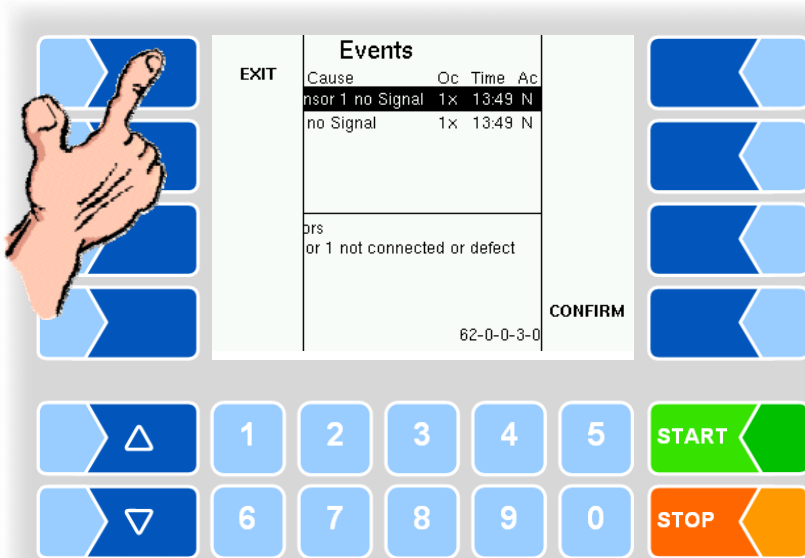
Here you see the EVENTS screen with two active alarms. Active alarms are indicated by an exclamation mark underneath the „A“.



The „Level Sensor No Signal“ alarm is still active, but has been confirmed (acknowledged) by the user. Please observe that the CONFIRM soft key has vanished, once the alarm has been confirmed.



Here you see that the alarms are not active anymore (the problems have been fixed), but not yet confirmed.



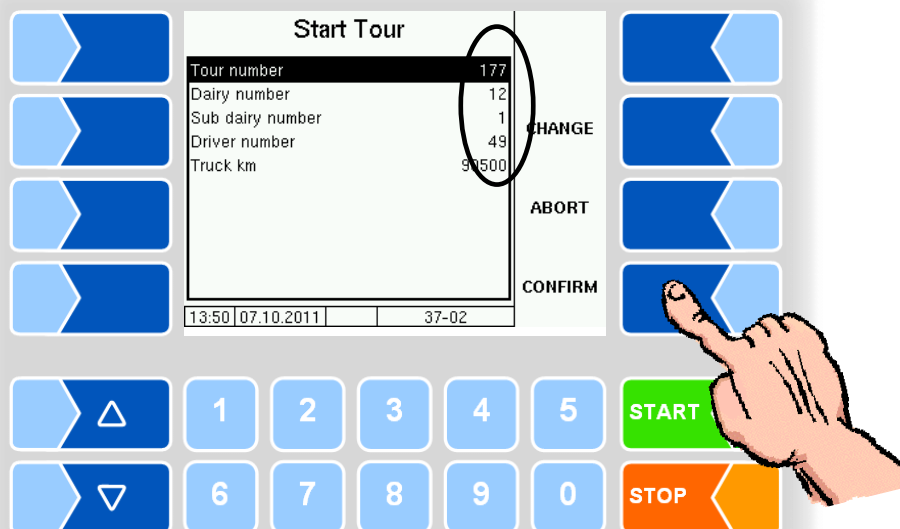
To leave the EVENTS screen, you must activate the hidden EXIT function by pressing any left soft key → the EXIT function becomes visible and should be pressed within 3 seconds to activate.

Start a tour and intake

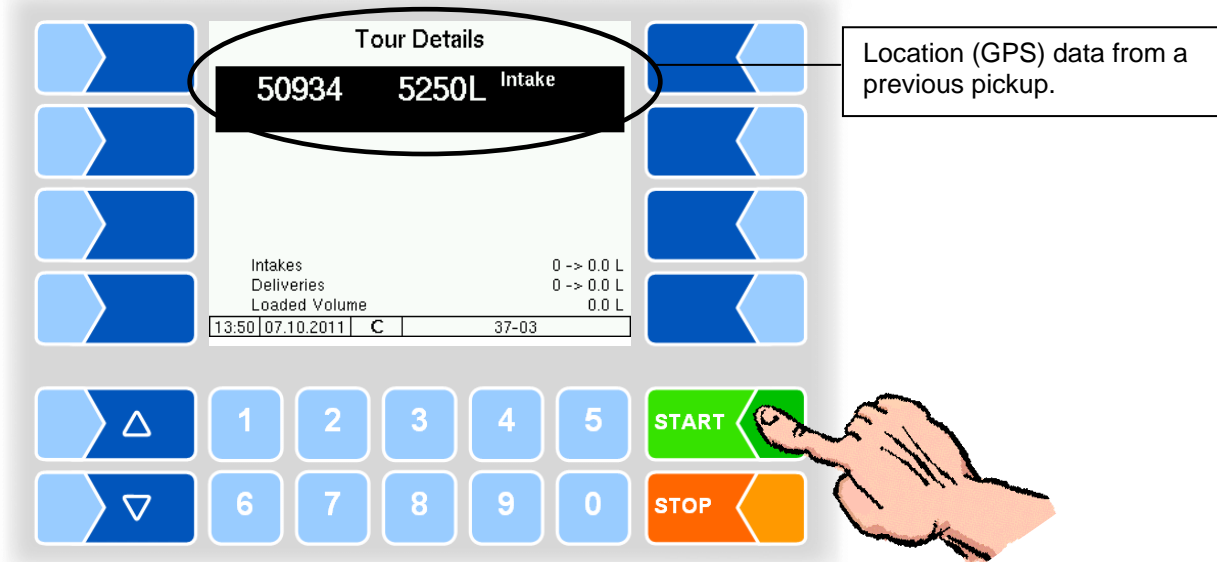
1.) Press START TOUR.



2.) You are presented with the **Start Tour** screen. Enter the Tour Number, Dairy Number etc then press CONFIRM.

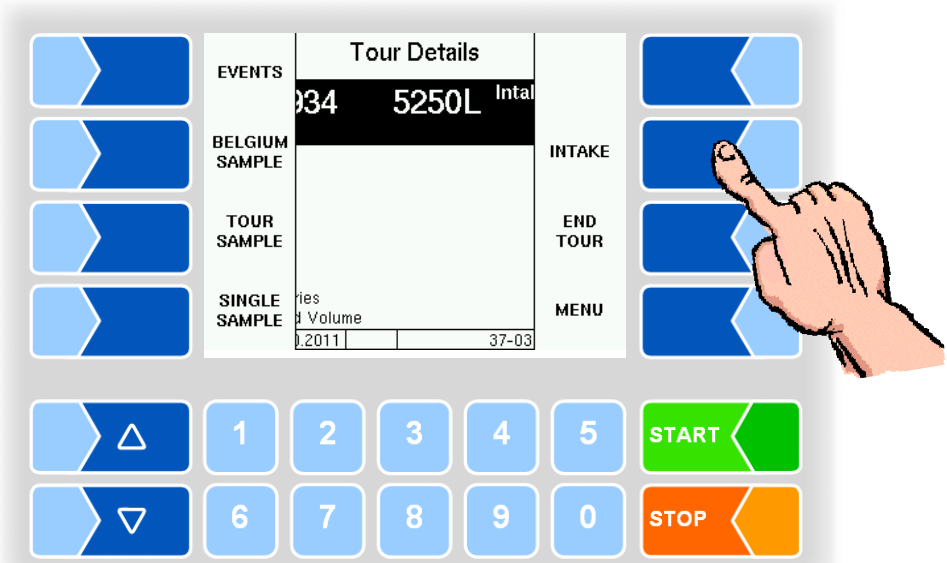


3.) You are presented with the **Tour Details** screen. This screen has hidden functions on both sides. It may also show location (GPS) data i.e. if you have already picked up milk at this location, the system remembers it along with the last volume and presents it for faster operation.



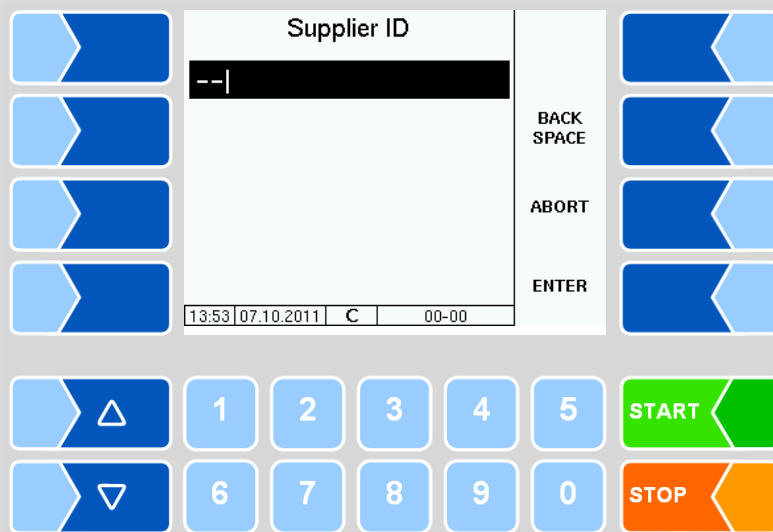
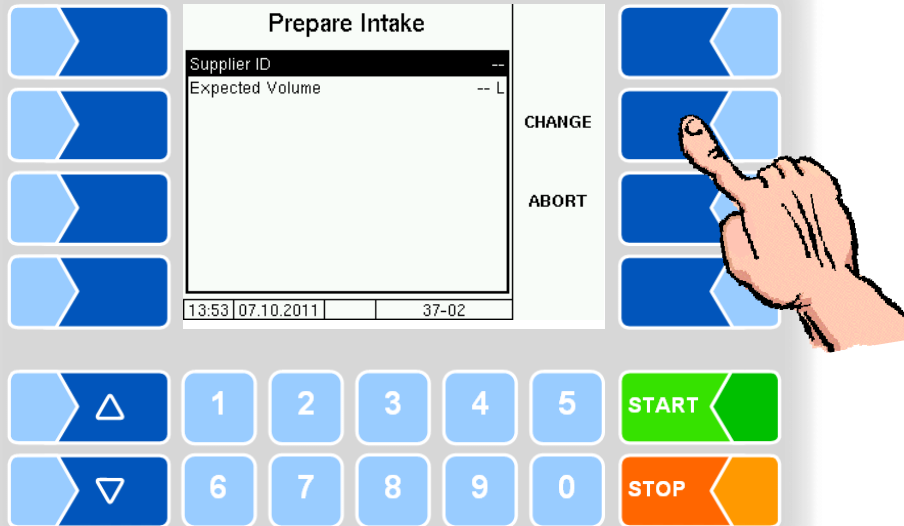
To start the pickup using the location (GPS) data, select the desired location data (if multiple location data are shown on screen) and press the green START button → the system will start to suck in the milk (continue with no. 5)

To start a pickup without location (GPS) data, you must activate the hidden INTAKE function by pressing any right soft key → the INTAKE function becomes visible and should be pressed within 3 seconds to activate (continue with no. 4)

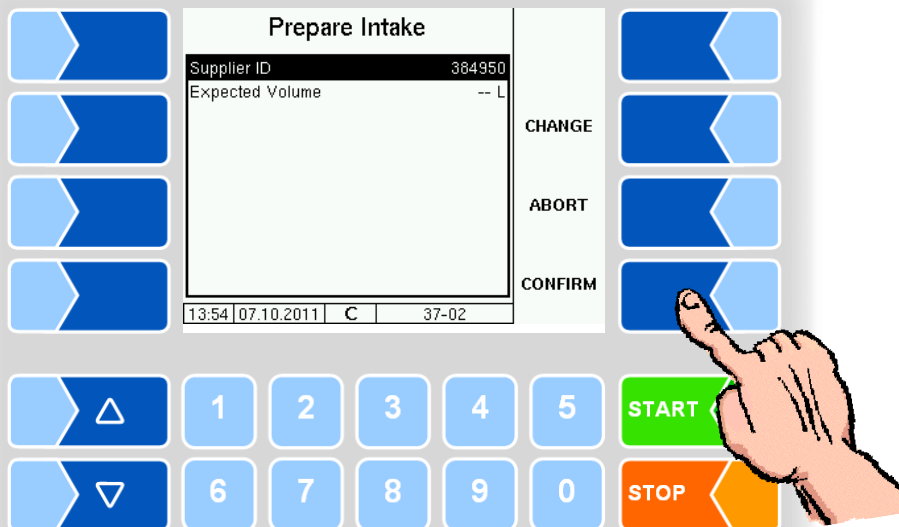
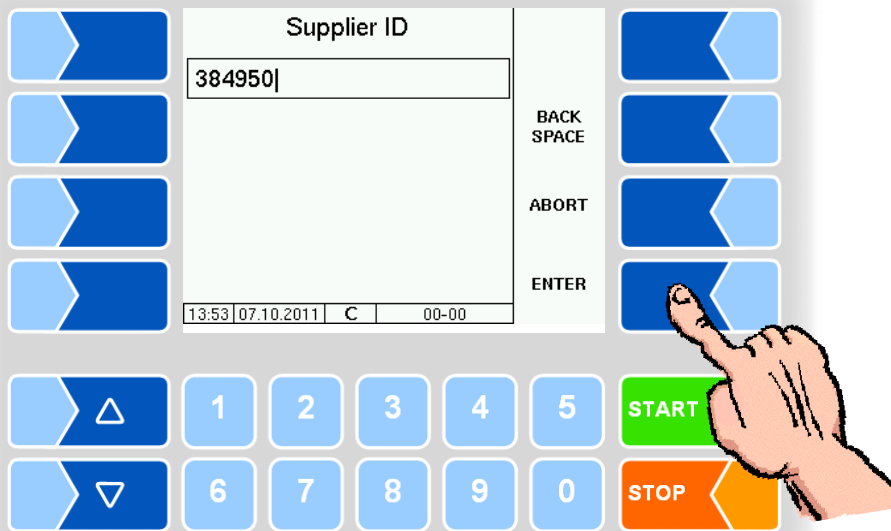


Here you see the **Tour Details** screen with all hidden functions displayed (left and right).

4.) You are presented with the **Prepare Intake** screen. Press CHANGE to enter the Supplier ID. Use the numeric keys to enter the number.

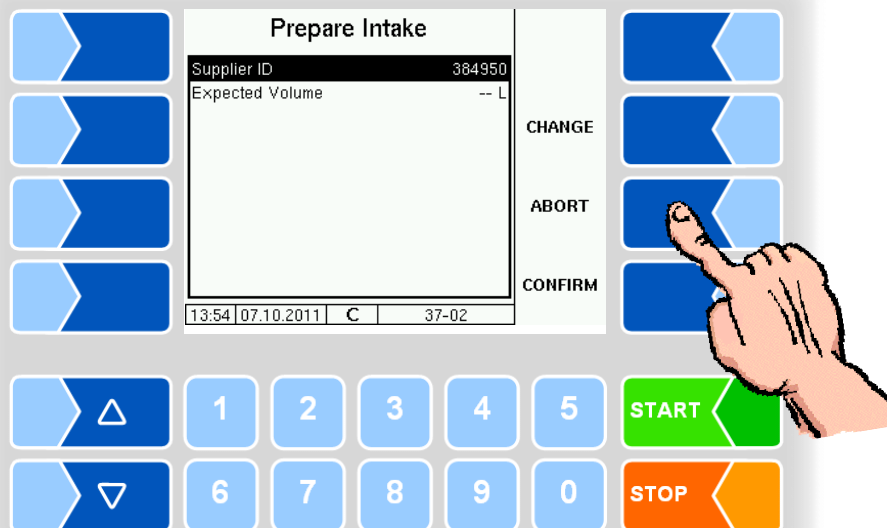
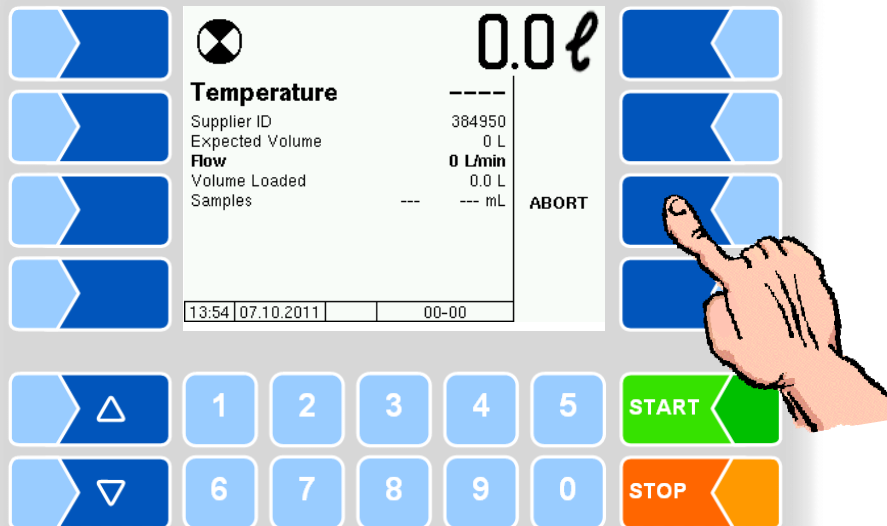


Once you have entered the Supplier ID number, press ENTER to go back to the **Prepare Intake** screen.



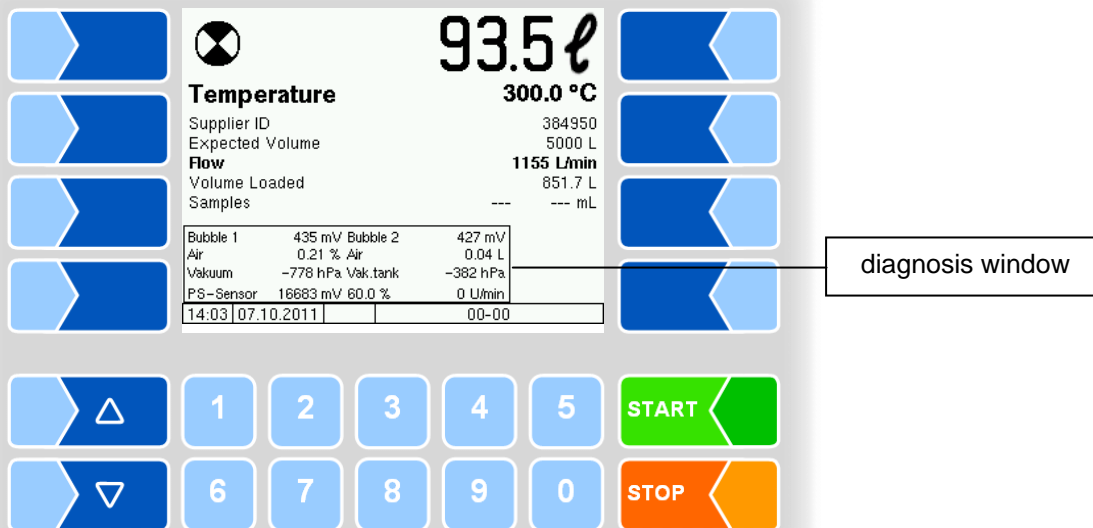
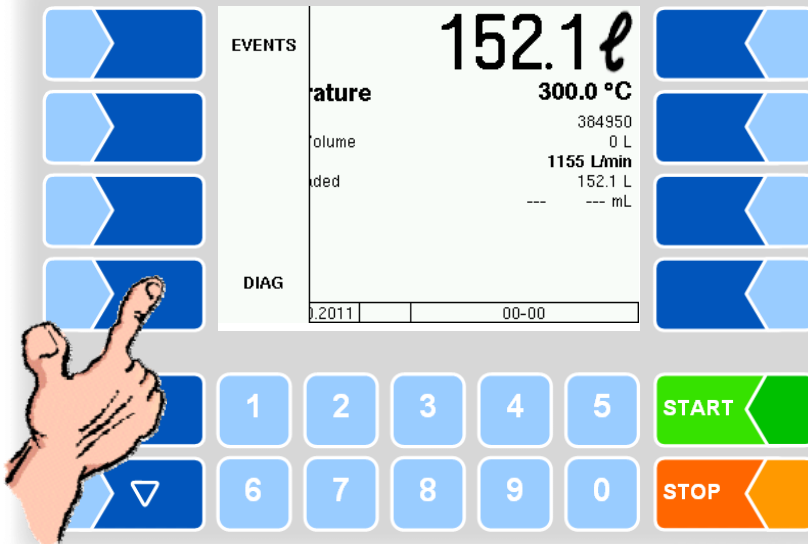
You can enter an Expected Volume (only needed if sampling is active) or start the pickup by pressing CONFIRM.

5.) The system waits for milk to be sucked in. You can abort the intake by pressing ABORT as long as no milk has been detected - once milk has been detected, the ABORT soft key will disappear.



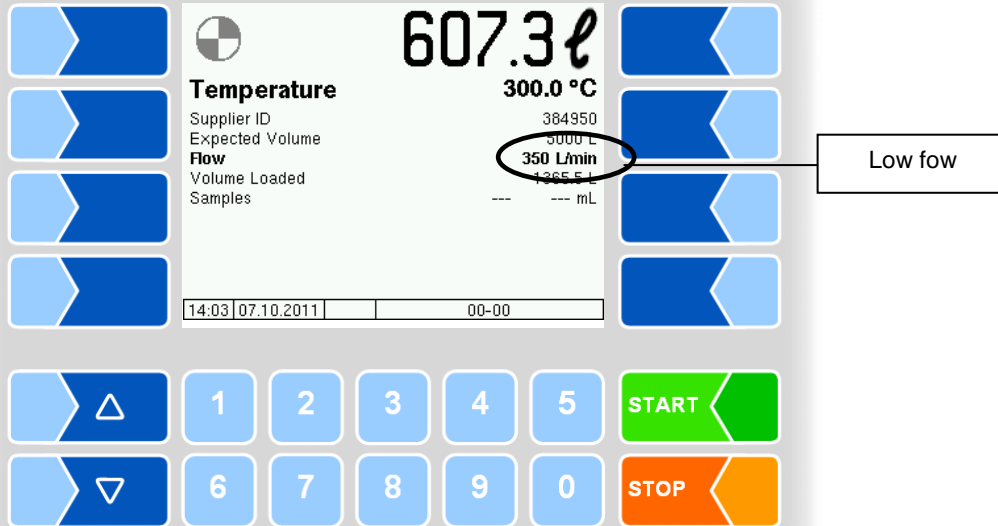
If you press ABORT, you will go back to the **Prepare Intake** screen. With CONFIRM you can start the intake again, or you can abort the intake entirely by pressing ABORT to go back to the **Tour Details** screen.

6.) During the intake, you can look at events or open a diagnosis window by activating the corresponding hidden function. Press any left soft key to display the hidden functions. Press EVENTS to display messages or alarms, press DIAG to show technical information of the current intake.

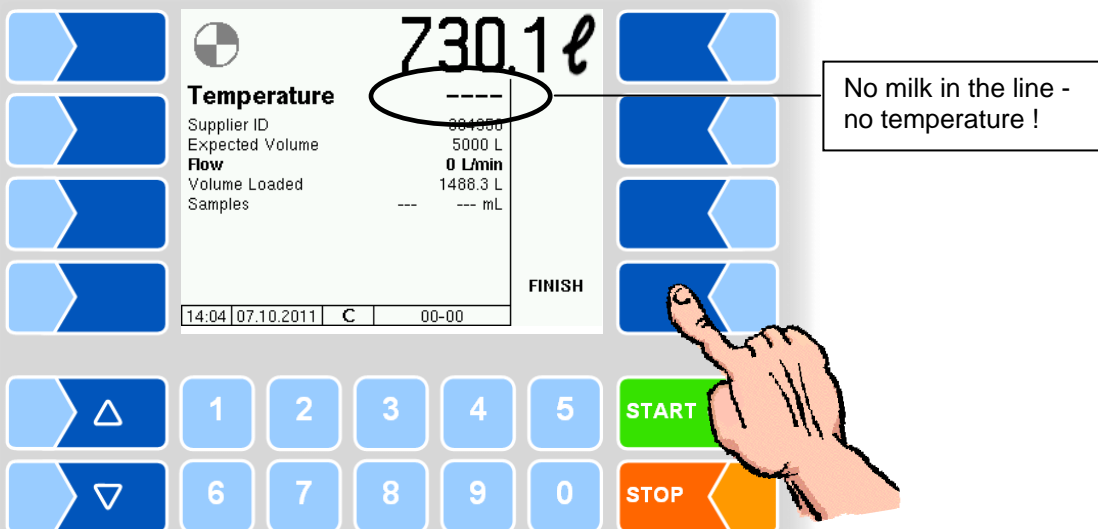


This screen shows the diagnosis window opened.

7.) Toward the end of the intake, the pump will slow down, as air is being sucked in. Here you see the low pump speed (flow).



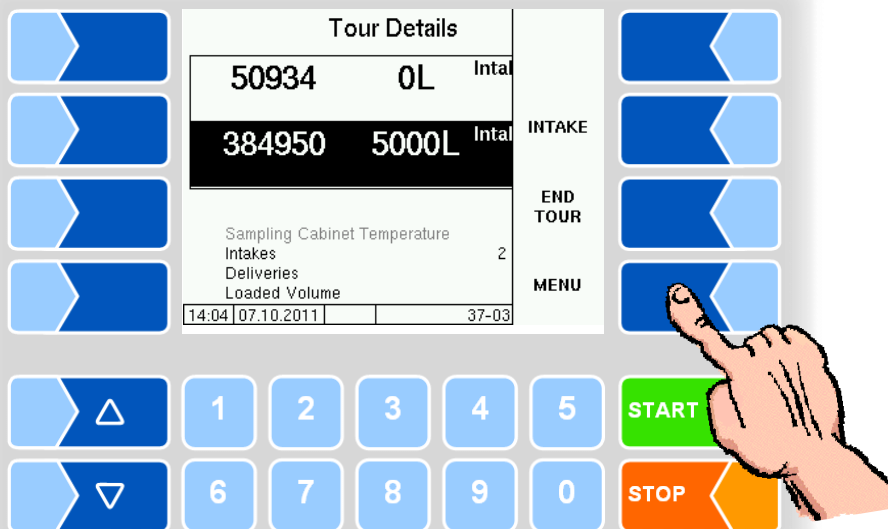
8.) The system enters the so called „post sucking mode“ - the milk sensor is deactivated and the milk temperature is not shown anymore as there is no more milk in the line. To end the intake, press FINISH. If there is still a large amount of milk in the hose, you can start a post sucking sequence to empty the hose by pressing the green START button.



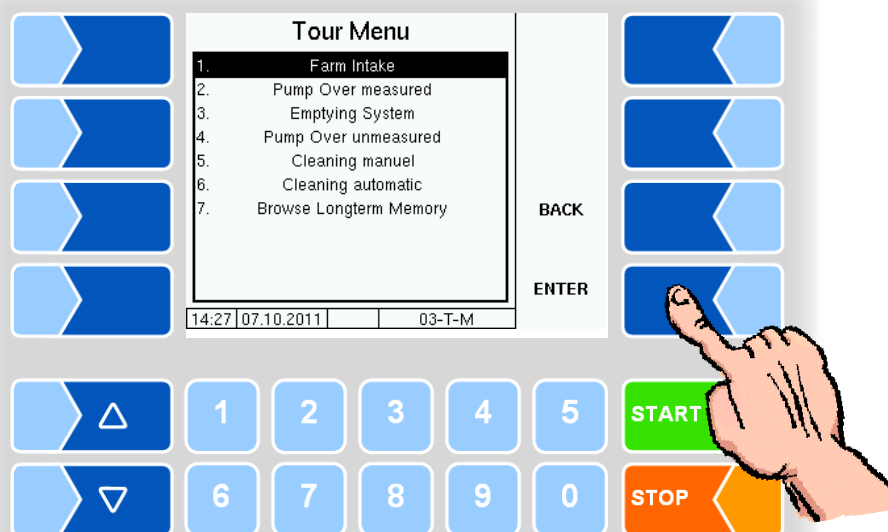
Emptying the system and ending the tour

After your last intake, you must empty the system to assure that the remaining milk in the system is transferred into the trailer.

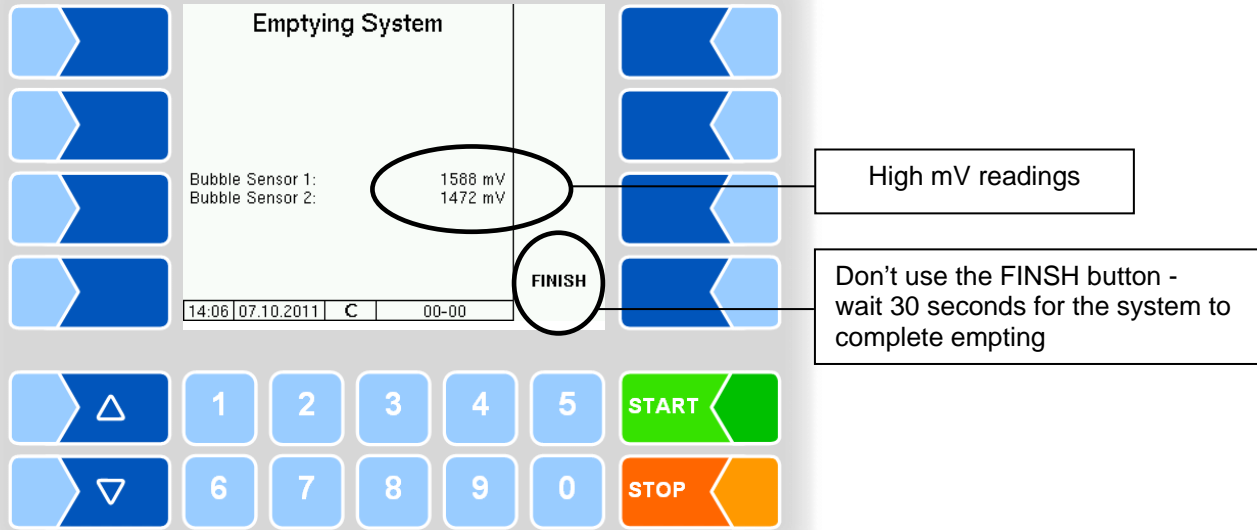
1.) In the **Tour Details** screen, activate the hidden MENU function by pressing any right soft key → the MENU function becomes visible and should be pressed within 3 seconds to activate.



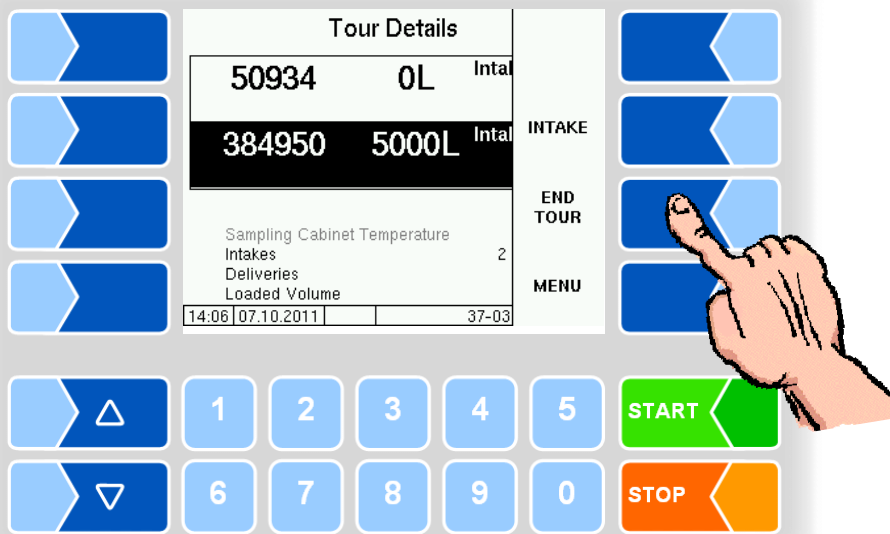
2.) You are presented with the **Tour Menu** screen. Select „Emptying System“ with the scroll buttons and press ENTER → filtered air is blown into the system to empty it.



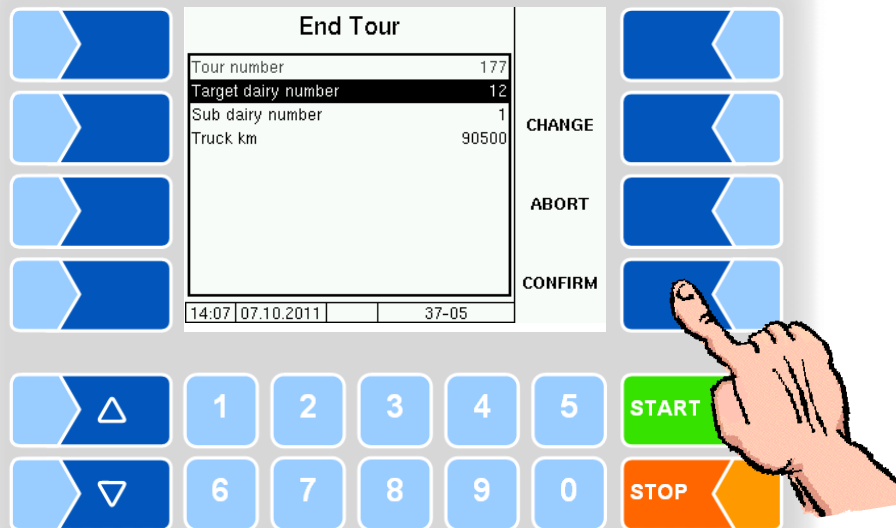
3.) Wait 30 seconds for the system to complete emptying. (You can also press FINISH, but you must wait until the Level Sensor 1 and Level Sensor 2 reach a high mV reading). **We recommend to just wait 30 seconds!** The system takes you automatically back to the **Tour Details** screen.



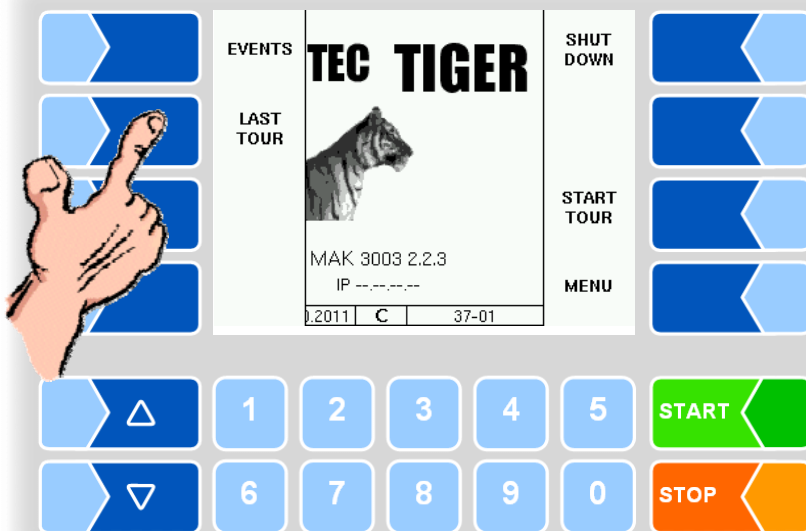
4.) In the **Tour Details** screen, activate the hidden END TOUR function by pressing any right soft key → the END TOUR function becomes visible and should be pressed within 3 seconds to activate.



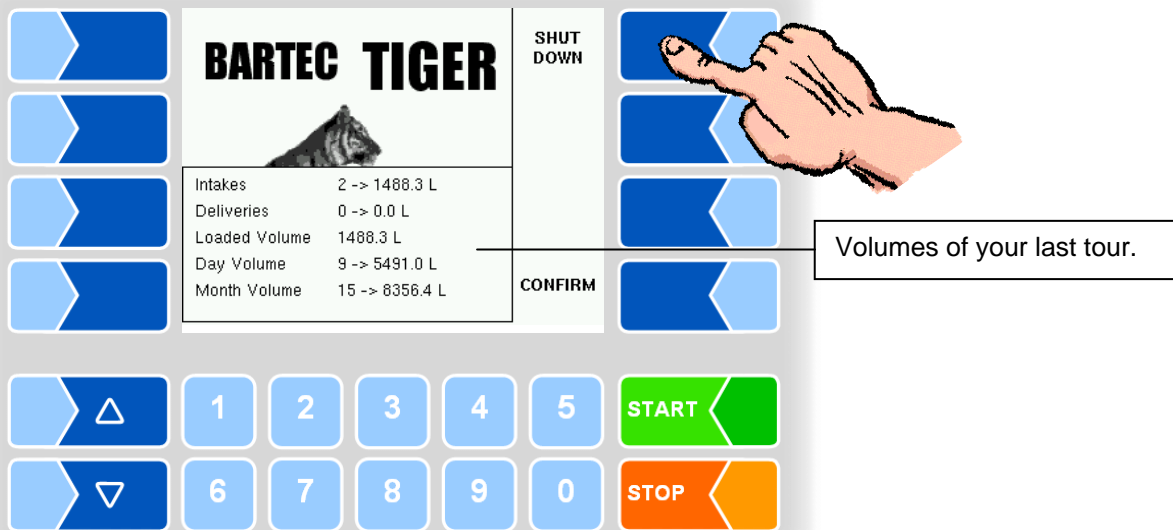
5.) Press CONFIRM to end the tour.



6.) You are presented with the Start-up screen. To view data of your last tour, activate the hidden LAST TOUR function by pressing any left soft key → the LAST TOUR function becomes visible and should be pressed within 3 seconds to activate.



7.) To turn off the system, press SHUT DOWN.



Cleaning the system (CIP)

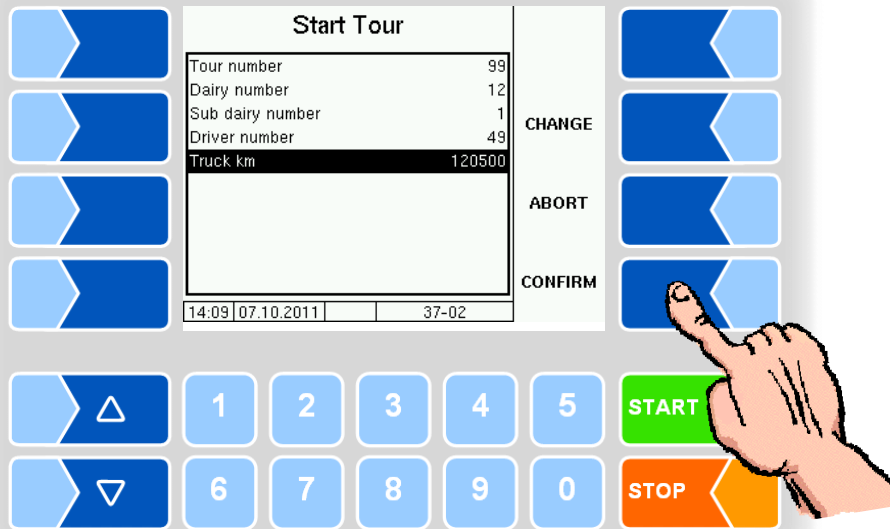
The following steps explain how to clean the system, pickup hose and tank at the CIP-facility. Connect one side of the pickup hose to the unload outlet of the tank and the other side to the CIP-facility return line.

Once the hoses, handles etc have been set correctly, the CIP program at the controller must be started.

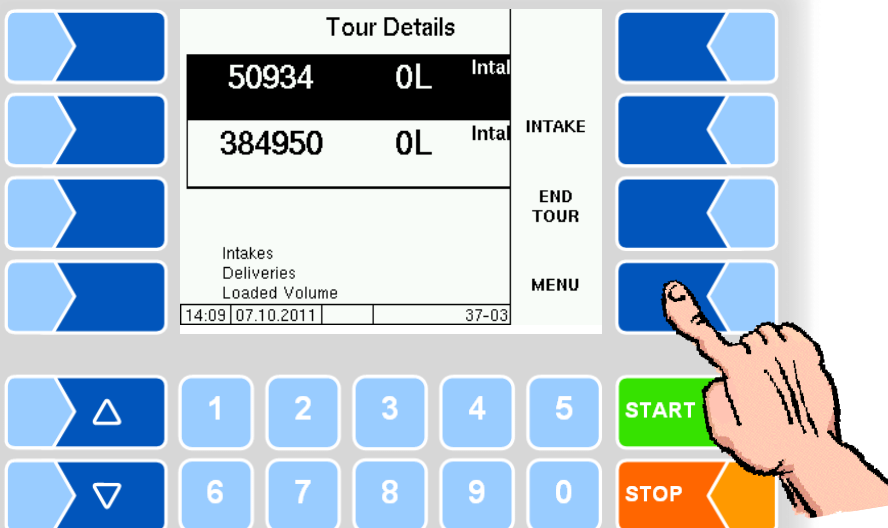
1.) Press START TOUR.



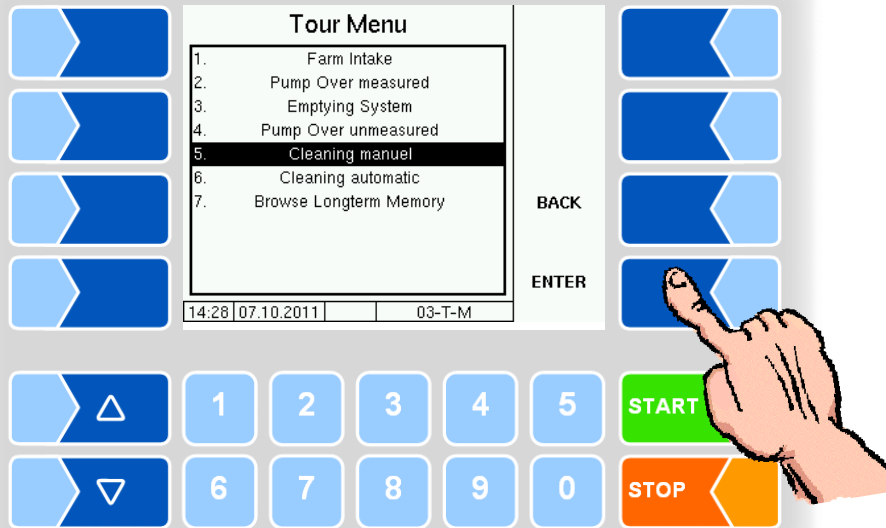
2.) You are presented with the **Start Tour** screen. Enter the Tour Number, Dairy Number etc then press CONFIRM.



3.) You are presented with the **Tour Details** screen. This screen has hidden functions on both sides. Activate the hidden MENU function by pressing any right soft key → the MENU function becomes visible and should be pressed within 3 seconds to activate.

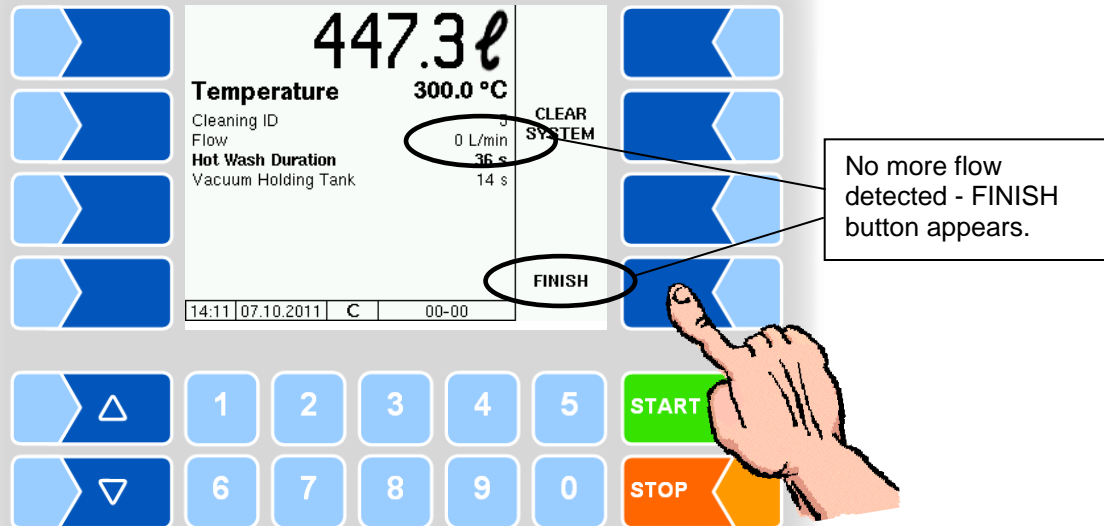


4.) You are presented with the **Tour Menu** screen. Select „Cleaning manuel“ with the scroll buttons and press ENTER → the system waits for flow and starts alternating the valves.



The system detects flow and starts alternating the valves as fluid is pumped through the system, the spray balls and eventually through the pickup hose back to the CIP-facility.

5.) Once the CIP-facility has finished pumping fluid, the system detects that there is no more flow and displays the FINISH button.



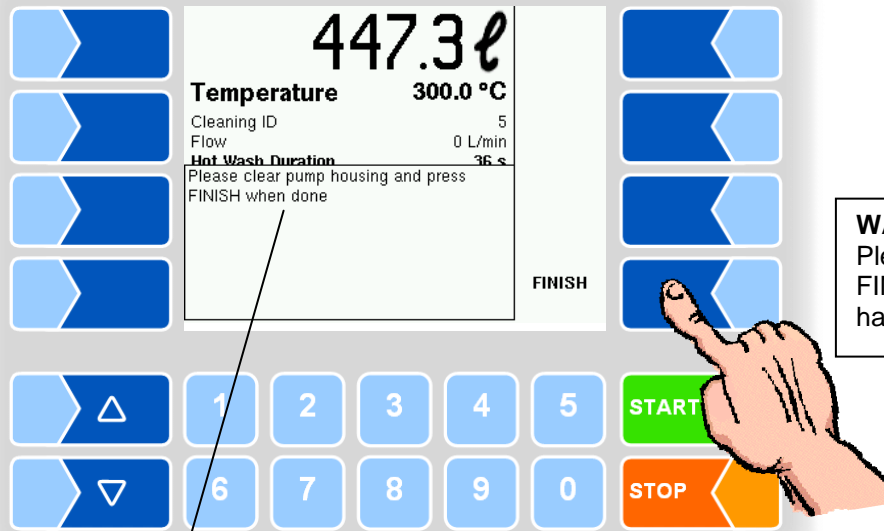
6.) Press FINISH to proceed → Air is pressed into the system to empty it. Valves will start to alternate again to allow the fluid in the system to be completely emptied. Observe that the FINISH button has disappeared!



→ The next step is very important!

7.) Observe that a FINISH button appears again and a window asking you to clear the pump housing is also shown. Please do so by opening the tap at the bottom of the pump.

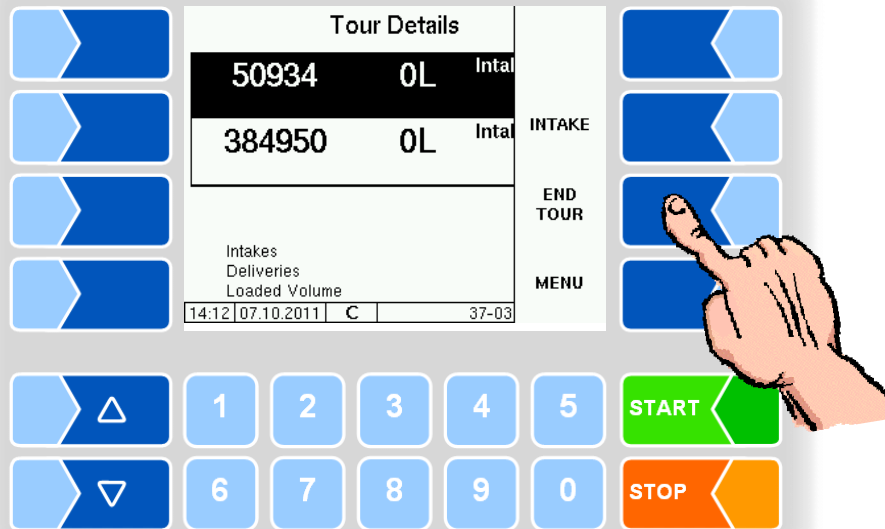
Attention: Please press FINISH only after the pump has completely drained i.e. no more water is dripping out of the tap.



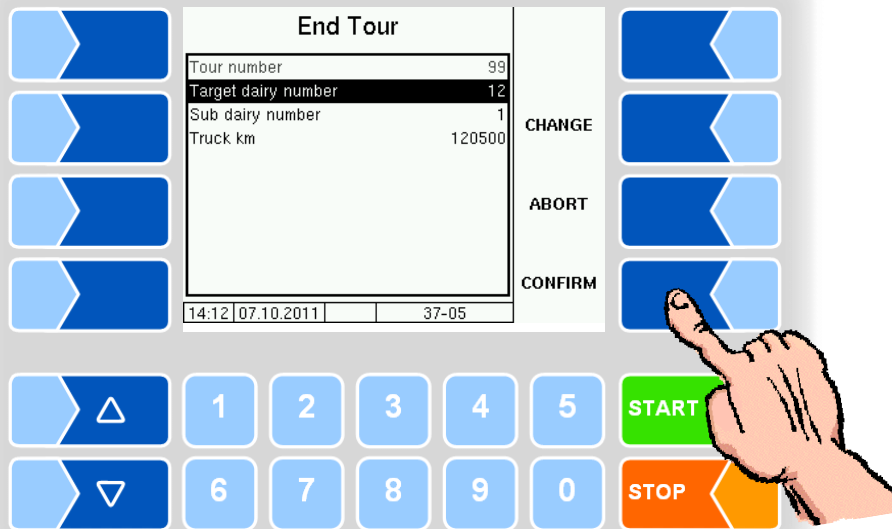
Open the tap at the bottom of the pump to drain it. Wait until it is completely drained before pressing FINISH.

WAIT!!
Please do not press
FINISH before the pump
has completely drained.

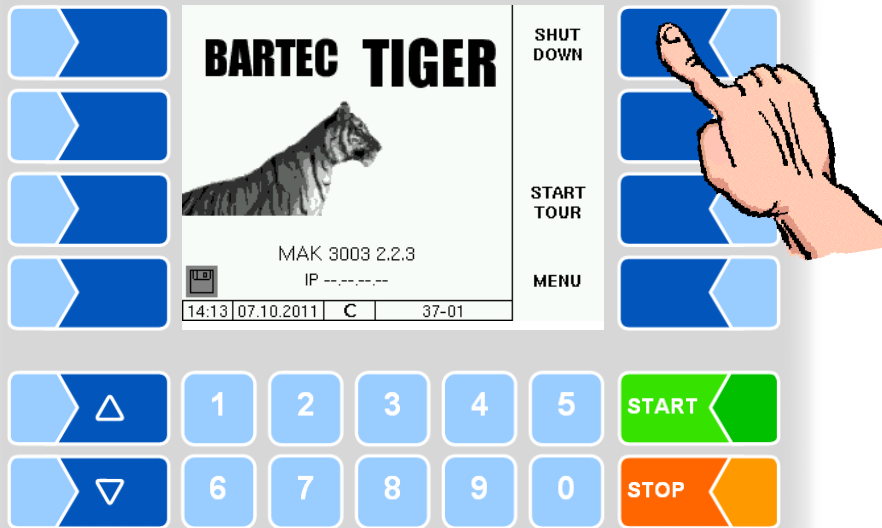
8.) After you have pressed FINISH, you are presented with the **Tour Details** screen. To end the tour, activate the hidden END TOUR function by pressing any right soft key → the END TOUR function becomes visible and should be pressed within 3 seconds to activate.



9.) Press CONFIRM to end the tour.



10.) You are presented with the **Start-up** screen. To turn off the system, press SHUT DOWN.



11.) Return the previously set handles, remove the pickup hose and the CIP-facility feed line and **don't forget to close the tap at the bottom of the pump!**
