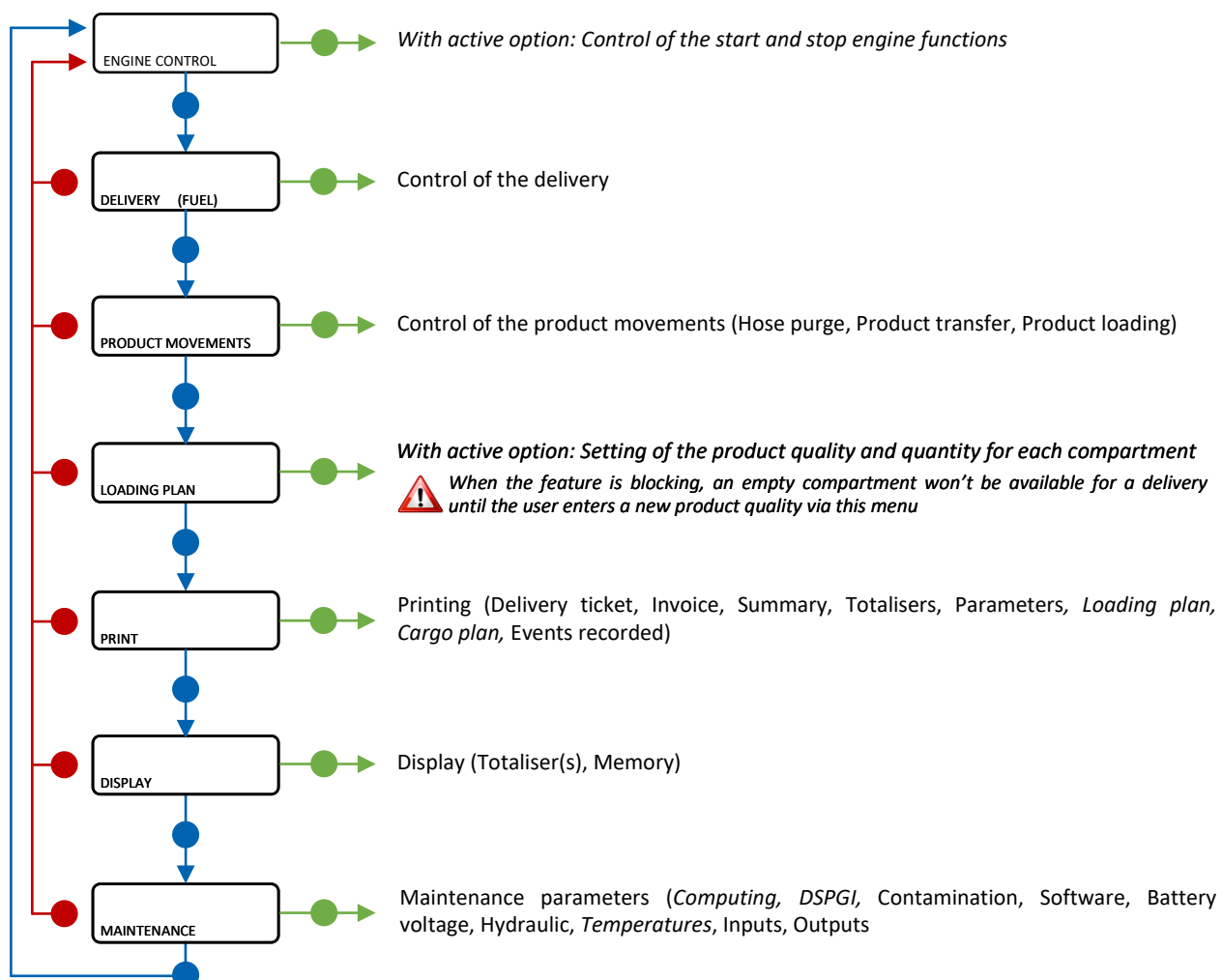












This document sketches out the main menus (please refer to operating manual MU 7093 EN for further information)

USING THE BUTTONS OF THE MICROCOMPT+

- - Come back to the previous step
- - Choose the menu options
- - Validate the menu option
- - Increment the blinking Digit
- - Select the next digit
- - Validate the data
- - Display the delivery information
- - Validate the default



	Left-hand LED: Bluetooth or Wi-Fi		Middle LED: GSM / GPS		Right-hand LED: NFC (RFID)	
Steady light	Bluetooth	Connection OK		Waiting for internet connection		
	Wi-Fi			Internet connection OK		
		Waiting for initialization		Waiting for initialization		
Flashing light	Bluetooth	Slow flashing: Waiting for connection		GPS OK		Authentication of the RFID key OK
	Wi-Fi	Rapid flashing: Communication in progress		Transfer in progress		RFID key not accepted, but authentication is ok
				Coordinates not found		
		Initialization error		Initialization error		Authentication error of the RFID key

RUN A PUMPED COUNTED DELIVERY

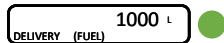
1. POWER UP AND START THE ENGINE

Power up (battery isolation switch)



Back to DELIVERY menu

2. PREPARE THE DELIVERY



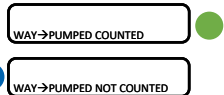
▲ CHOOSE THE MEASURING SYSTEM ⚠ With DUAL

✋ If required, turn the manual valve on EMA or EMB



▲ CHOOSE THE PUMPED WAY ⚠ With active option

✋ Make sure the manual valve is correctly positioned



▲ SELECT THE DISTRIBUTION OUTLET ⚠ With active option

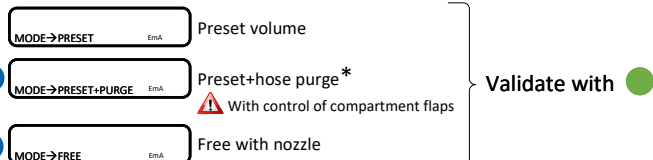


▲ CHOOSE THE PRODUCT

⚠ If the product chosen is different from the product contained in the hose, validate the contamination



▲ SELECT THE DISTRIBUTION MODE

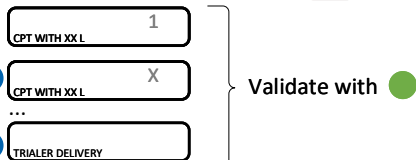


* With the distribution mode PRESET+PURGE: choose the product and the compartment for the purge.

▲ SET THE VOLUME ⚠ With mode PRESET or PRESET+PURGE



▲ CHOOSE THE COMPARTMENT ⚠ With active option



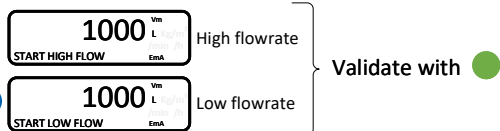
* With the distribution mode PRESET+PURGE: after the scheduling, choose the compartment for the purge and the hose for the next delivery.

▲ ENGAGE THE PUMP ⚠ With active option

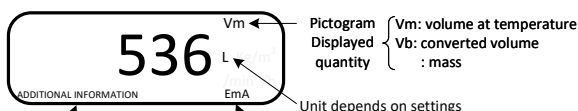


3. CARRY OUT THE DELIVERY

▲ START THE DELIVERY



Display during the delivery:



Distribution mode / Product / Compartment

Measuring system EMA or EMB

Interruption of the delivery

If the delivery is interrupted, inappropriate manipulation of the push buttons can open the DISPLAY menu (totalizers, memory). In this case, simply press the red push button to return to DISPLAY and then the blue push button to return to DELIVERY STOP. Validate by pressing the green push button to select the next step (§4 or 5).

► THE COMPARTMENT IS EMPTY



Choose another compartment

Start the delivery (§3)

► APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM



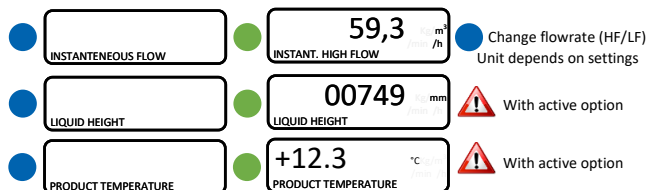
Continue/suspend (§4) or end (§5) the delivery

► INTENTIONAL INTERRUPTION OF THE DELIVERY



Continue/suspend (§4) or end (§5) the delivery

Display the delivery information



Back to normal display is automatic: DO NOT PRESS RED STOP BUTTON TO KEEP FROM INTERRUPTING DELIVERY.

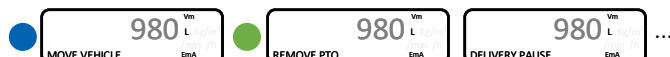
4. CONTINUE OR SUSPEND THE DELIVERY

▲ CONTINUE THE DELIVERY



Start the delivery §3

▲ SUSPEND THE DELIVERY TO MOVE THE VEHICLE



Choose the compartment ⚠ With active option
Engage the pump
Start the delivery §3

5. END THE DELIVERY

▲ END WITH PURGE ⚠ With PRESET+PURGE mode



Delivery §4

▲ END THE DELIVERY



Move the vehicle §4

Continue the delivery §4

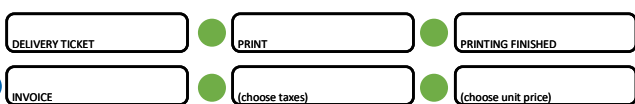
▲ REMOVE THE PUMP ⚠ With active option



6. STOP THE ENGINE



7. PRINT THE DELIVERY DOCUMENTS



Printing of the invoice

Back to main menu

MEANING OF SYMBOLS

▲ Mandatory action

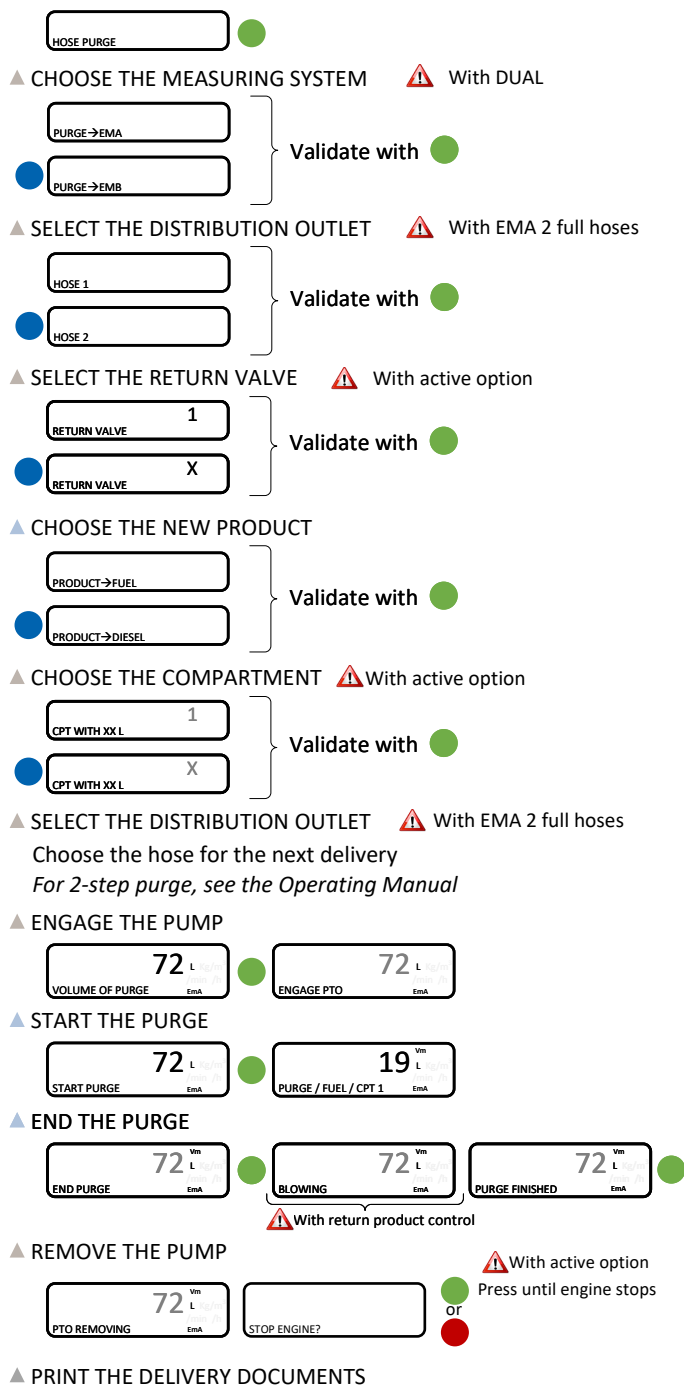
▲ Optional action

► Event during delivery

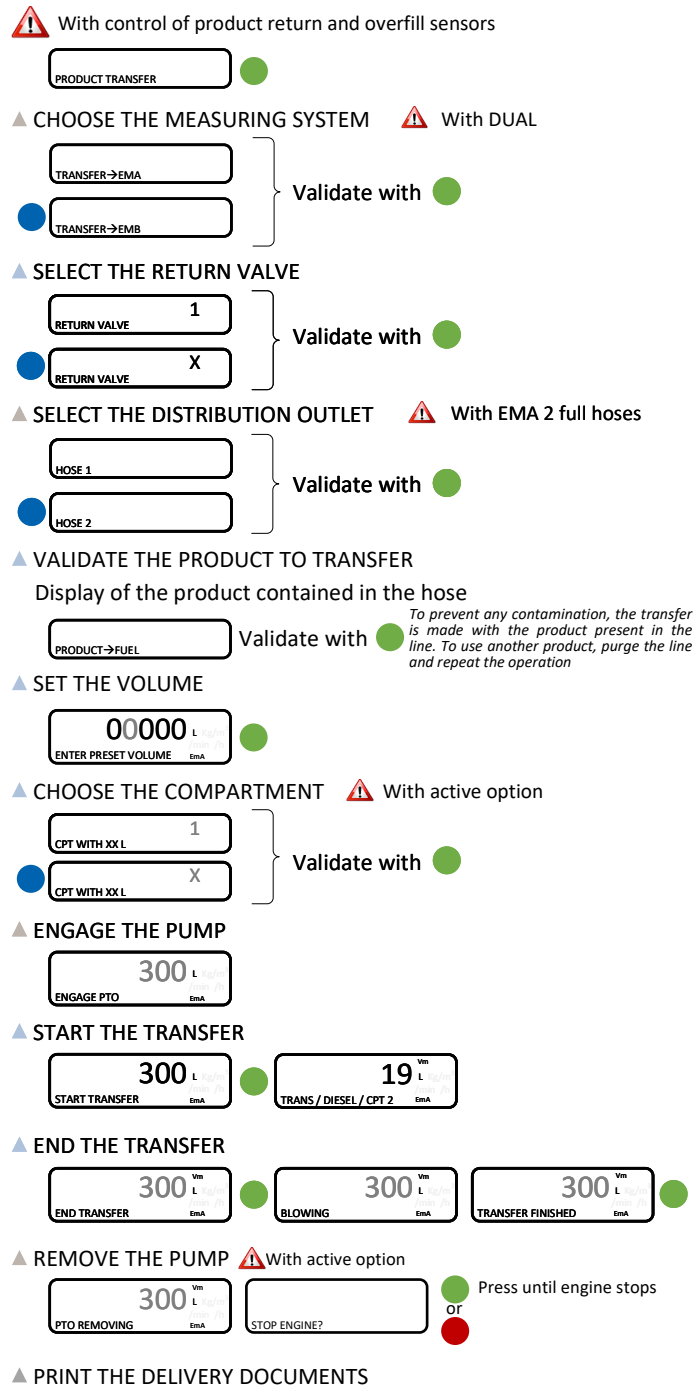
✋ Action by operator

RUN A PRODUCT MOVEMENT

HOSE PURGE for change of product



PRODUCT TRANSFER from a compartment to another



ENTRY MODES

SET THE VOLUME:

Ex: Set the volume 2600 liters

Change the blinking figure value



x2

00000 L
ENTER PRESET VOLUME

Access to the following figure



x1

02000 L
ENTER PRESET VOLUME

Change the blinking figure value



x6

02000 L
ENTER PRESET VOLUME

Validate the entry data



x1

02600 L
ENTER PRESET VOLUME

02600 L
ENTER PRESET VOLUME

LIST OF ALARMS

		DISPLAY	MEANING	ACTION
USER	COMMON	DELIVERY STOP	Intentional interruption of the discharge	Continue, stop or finish delivery or product return
		EMERGENCY SHUTDOWN	Emergency stop triggered by remote control	Continue, stop or finish delivery or product return
		EC COMM.DEFAULT	Communication problem with the embedded computing	Try again and switch to degraded mode if the problem persists. COMPUTING→WITHOUT EC (DEGRADE)
		PRINTER DEFAULT	Communication with the printer lost	Make sure the connections are ok: cable, on-off switch and fuse
		The ticket is jammed	Jammed paper in the printer	Use the RELEASE button to eject the paper
		POWER SUPPLY PROBLEM	Power outage during operation	Check the cause / Restore power supply
		PTO DEFAULT	Inconsistency PTO return / run command	Check the power take-off status in the driver's cab
	COMMON PUMPED	DSPGI DEFAULT	Communication problem with the DSPGI	Make sure the DSPGI device is in operation
		INCOHERENCE WAY A/B	Inconsistent choice for EMA/EMB circuit	Make sure the manual selection valves are well-positioned
		INCOHERENCE WAY C/NC	Inconsistent choice for Pumped Counted/Pumped Not Counted circuit	Make sure the manual selection valves are well-positioned
		OVERFILL DEFAULT	Overfill detected on a compartment	Transfer the product in another compartment
		PURGE NOT FINISHED	The purge sequence is not finished	Finish the purge of the manifold (and/or hose)
		FLOW PUMP DEFAULT	No flow after switching on the pump	If necessary, adjust the timer parameter
		ADDITIVATION FAULT	Problem with the additive system (cannot be managed properly)	Check the additive system
		ADDITIVE Y LOW LEVEL	(Y=1 or 2) Low level of the additive tank	Fill the additive tank
		ADDITIVE Y CONTROL	(Y=1 or 2) Non-guaranteed injection of the additive rate	Check the hydraulic system
		OVERFILL CLIENT DEF.	Overfill detected on the customer tank	End delivery
	EMX	EMX LOW FLOW DEFAULT	Flow<Qmin consecutively during 0,2*MMQ	Check the parameters and the hydraulic system (valve, strainer, nozzle...)
		EMX HIGH FLOW DEFAULT	Flow>Qmax consecutively during 3 sec	Check the parameters / Reduce flowrate
	COMMON	ZERO FLOW DEFAULT	No metering after opening the gravity valve	Make sure the pulse emitter indicators are blinking and the wiring is well done / Change the pulse emitter if required
		EMX METERING PROBLEM	Inconsistency of metering channels	Make sure the pulse emitter indicators are blinking and the wiring is well done / Change the pulse emitter if required
		EMX PULSES PROBLEM	Problem with the metering pulses	Make sure the pulse emitter indicators are blinking and the wiring is well done / Change the pulse emitter if required
		EMX TEMPER. DEFAULT	Temperature determination failure T<Tmin or T>Tmax	If steady alarm, see a reparator for trouble shooting
		EMX K-FACTOR DEFAULT	Deviation between coefficients K1 and K2 greater than 0.5%	Change the low-flow coefficient (K1)
		EMX TOTALISER LOST	Totalisers integrity problem	Substitution of the backup battery
		EMX PRESSURE DEFAULT	Pressure sensor out of range 4/20 mA	If steady alarm, see a reparator for trouble shooting
		EMA DG-3001 DEFAULT	Problem with the gas detector	Use the maintenance menu to do a check of the detector status
		EMX CONVER. DEFAULT	Problem during volume conversion	Make sure the set density is consistent
		LEAK DETECTED	Metering detection without measurement	Make sure the check valve is tight
		GAZ DETECTED	Detection of air during high flow delivery	See a reparator for troubleshooting
		DISPLAY DEFAULT	Integrity problem between the display and the display RAM proofreading	If steady alarm, substitution of the display card
		WATCHDOG DEFAULT	Triggering the watchdog function	Switch on-off the MICROCOMPT+ If steady alarm, substitution of the faulty card If steady alarm, substitution of the faulty card
		DATE AND TIME LOST	Problem with the clock	Set date and time
		DIARY DEFAULT	The events diary is lost	Acknowledge the alarm, make sure the date is ok If steady alarm, substitution of the backup battery
		MEMORY LOST	The measurements diary is lost	Acknowledge the alarm (enter then exit the metrological mode) If steady alarm, substitution of the backup battery Acknowledge the alarm (enter then exit the metrological mode) If steady alarm, substitution of the backup battery
		MEMORY OVER LOADED	Measurement storage area saturated (too many registrations over 90 days)	Acknowledge the alarm (enter then exit the metrological mode) If steady alarm, substitution of the backup battery
		BOOT LOADER DEFAULT	Inconsistency between the app and the version of the boot loader	Match the application software with the boot loader
		PARAMETER LOST	No more integrity of a secured memory area (SUPERVISOR parameters, preset end coeff...)	Acknowledge the alarm If steady alarm, substitution of the backup battery
		EEPROM MEMORY FAIL	Loss of metrological parameters	Substitution of the AFSEC+ electronic card
		SAVE MEMORY DEFAULT	Integrity problem with memorized data	Substitution of the AFSEC+ electronic card
		FRAME WORK DEFAULT	Integrity problem with software	Substitution of the AFSEC+ electronic card