

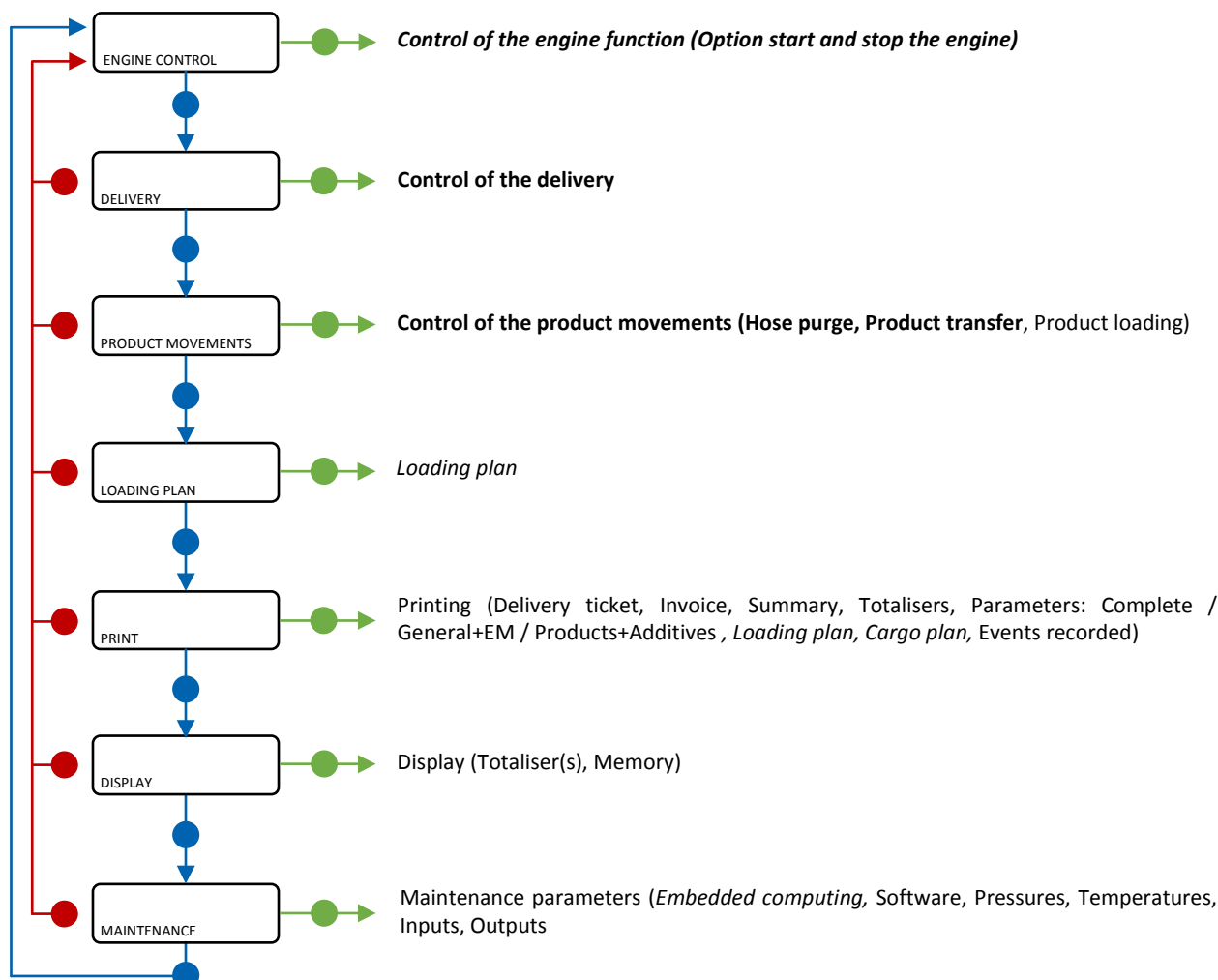
This document sketches out the main menus (please refer to operating manual MU 7034 EN for further information)











## USING THE BUTTONS OF THE MICROCOMPT+

- - Come back to the previous step
- - Increment the blinking Digit

- - Choose the menu options
- - Select the next digit
- - Display the delivery information

- - Validate the menu option
- - Validate the data
- - 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 DELIVERY

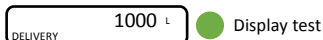
## 1. POWER UP AND START THE ENGINE

Power up (battery isolation switch)



● Back to DELIVERY menu

## 2. PREPARE THE DELIVERY

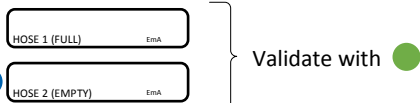


▲ CHOOSE THE MEASURING SYSTEM ⚠ With EM DUAL

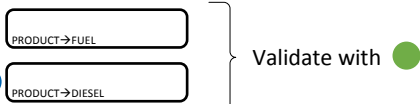
✋ If required, turn the manual valve on EMA or EMB



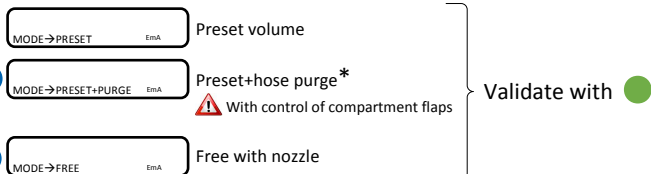
▲ SELECT THE DISTRIBUTION OUTLET ⚠ With active option



▲ CHOOSE THE PRODUCT



▲ SELECT THE DISTRIBUTION MODE

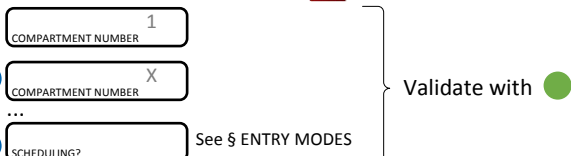


\* With the distribution mode PRESET+PURGE: choose the product and the compartment for the purge.

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



▲ CHOOSE THE COMPARTMENT ⚠ With active option



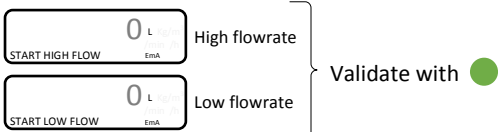
\* With the distribution mode PRESET+PURGE: after the scheduling, choose the compartment for the purge and the hose for the next delivery.

▲ ENGAGE THE PUMP ⚠ With active option

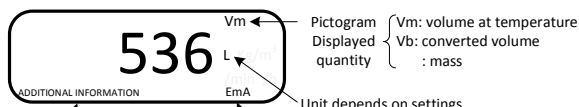


## 3. CARRY OUT THE DELIVERY

▲ START THE DELIVERY



Display during the delivery:



Distribution mode / Product / Compartment

Measuring system EMA or EMB

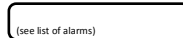
## Interruption of the delivery

► THE COMPARTMENT IS EMPTY



- Choose another compartment
- Start the delivery (§3)

► APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM



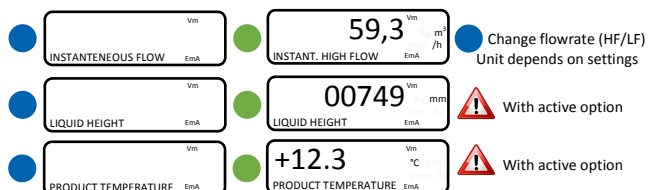
- Continue/suspend (§4) or end (§5) the delivery

► 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

After vehicle moving

## 5. END THE DELIVERY

▲ END THE DELIVERY

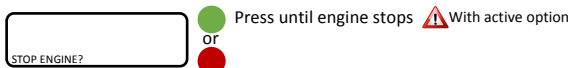


- Move the vehicle §4
- Continue the delivery §4

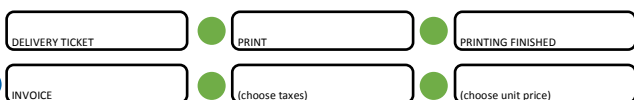
▲ REMOVE THE PUMP ⚠ With active option



## 6. STOP THE ENGINE



## 7. PRINT THE DELIVERY DOCUMENTS



Printing of the invoice

- Back to main menu

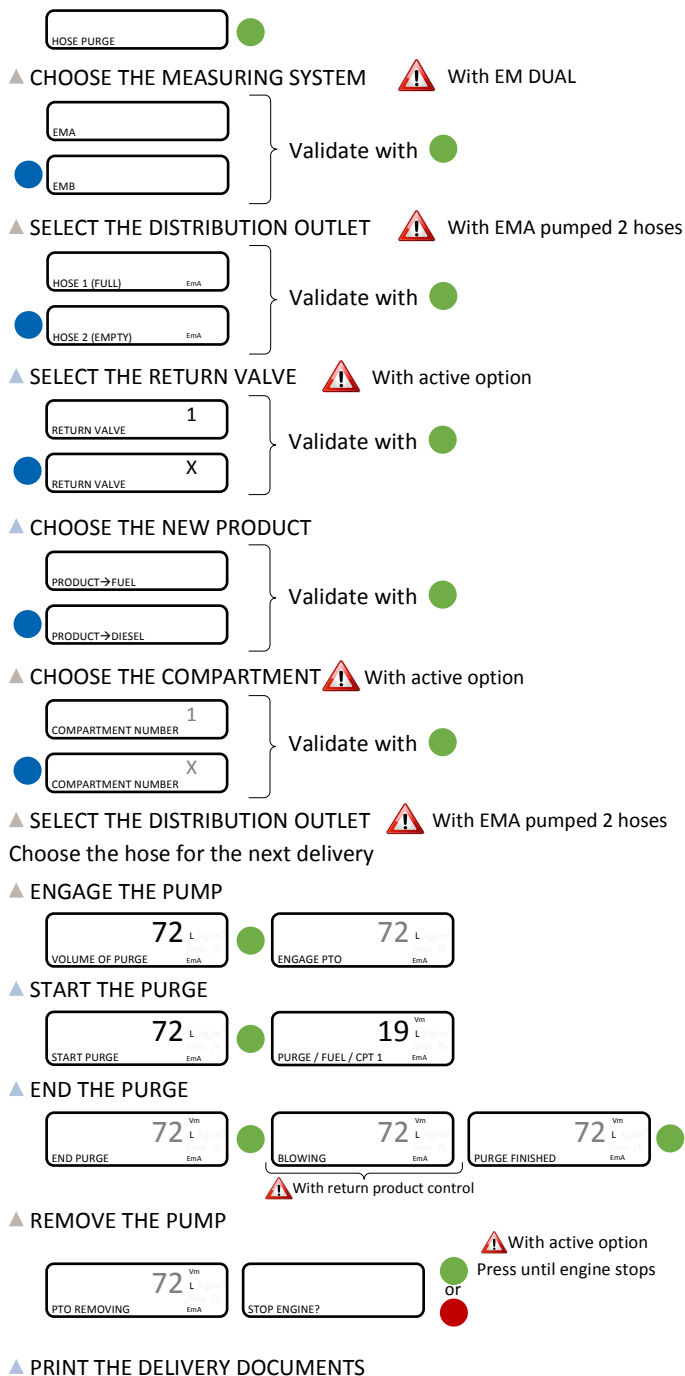
### MEANING OF SYMBOLS

- ▲ Mandatory action
- ▲ Optional action

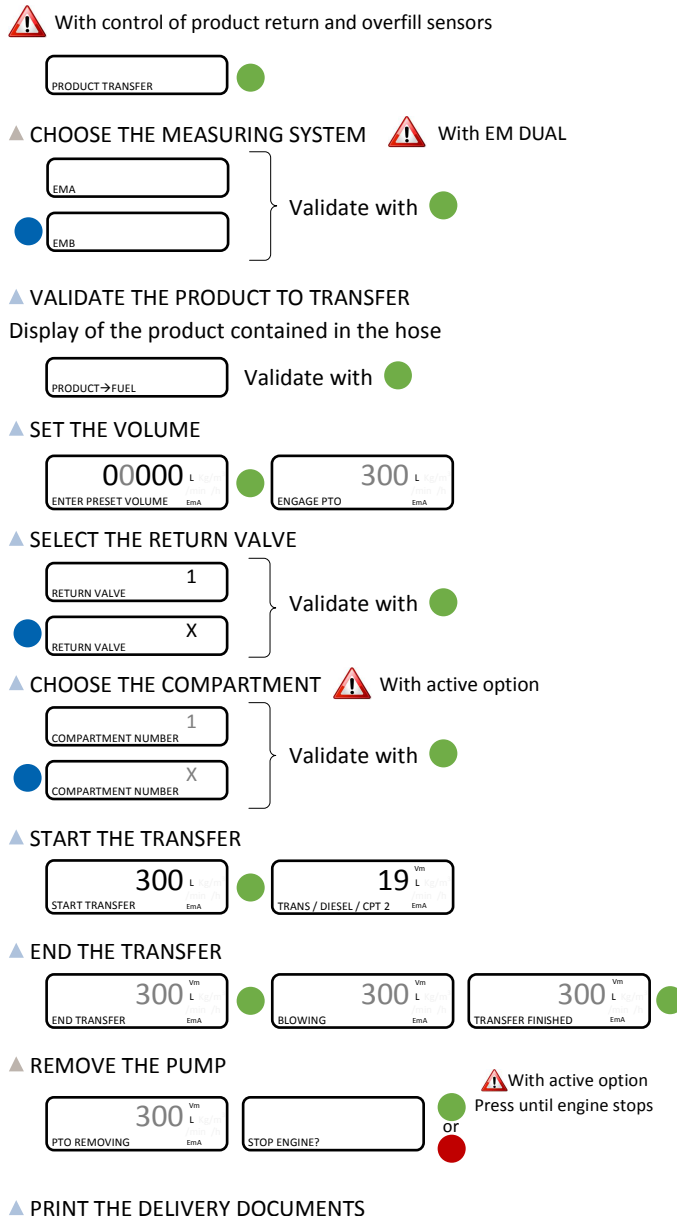
- Event during delivery
- ✋ Action by operator

# 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

Access to the following figure ● x1

Change the blinking figure value ● x6

Validate the entry data ● x1

00000 L  
ENTER PRESET VOLUME

02000 L  
ENTER PRESET VOLUME

02000 L  
ENTER PRESET VOLUME

02600 L  
ENTER PRESET VOLUME

02600 L  
ENTER PRESET VOLUME

### SCHEDULING: Choose the compartment order

Ex: Compartment order C6-C1-C7

Move on to the C6-digit ● x5

Increment the digit value ● x1

Move on to the C1-digit ● x5

Increment the digit value ● x1

Move on to the C7-digit ● x6

Increment the digit value ● x1

Validate the data ● x7

Back to data entry ● x1

000000  
C1 C2 C3 C4 C5 C6

000000  
C1 C2 C3 C4 C5 C6

000001  
C1 C2 C3 C4 C5 C6

000001  
C1 C2 C3 C4 C5 C6

200001  
C1 C2 C3 C4 C5 C6

000  
C7 C8 C9

300  
C7 C8 C9

SCHEDULING OK?

200001  
C1 C2 C3 C4 C5 C6

# 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
		DSPGI DEFAULT	Communication problem with the DSPGI	Make sure the DSPGI device is in operation
	COMMON PUMPED	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
	EMX (X=A or B)	OVERFILL CLIENT DEF.	Overfill detected on the customer tank	End delivery
		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
		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
REPARATOR	COMMON	EMX PRESSURE DEFAULT	Pressure sensor out of range 4/20 mA	If steady alarm, see a reparator for trouble shooting
		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
		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
		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
	COMMON	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	Loss of supervisor parameters	Acknowledge the alarm If steady alarm, substitution of the backup battery
		EEPROM MEMORY FAIL	Loss of metrological parameters	Substitution of the AFSEC+ electronic card
	COMMON	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