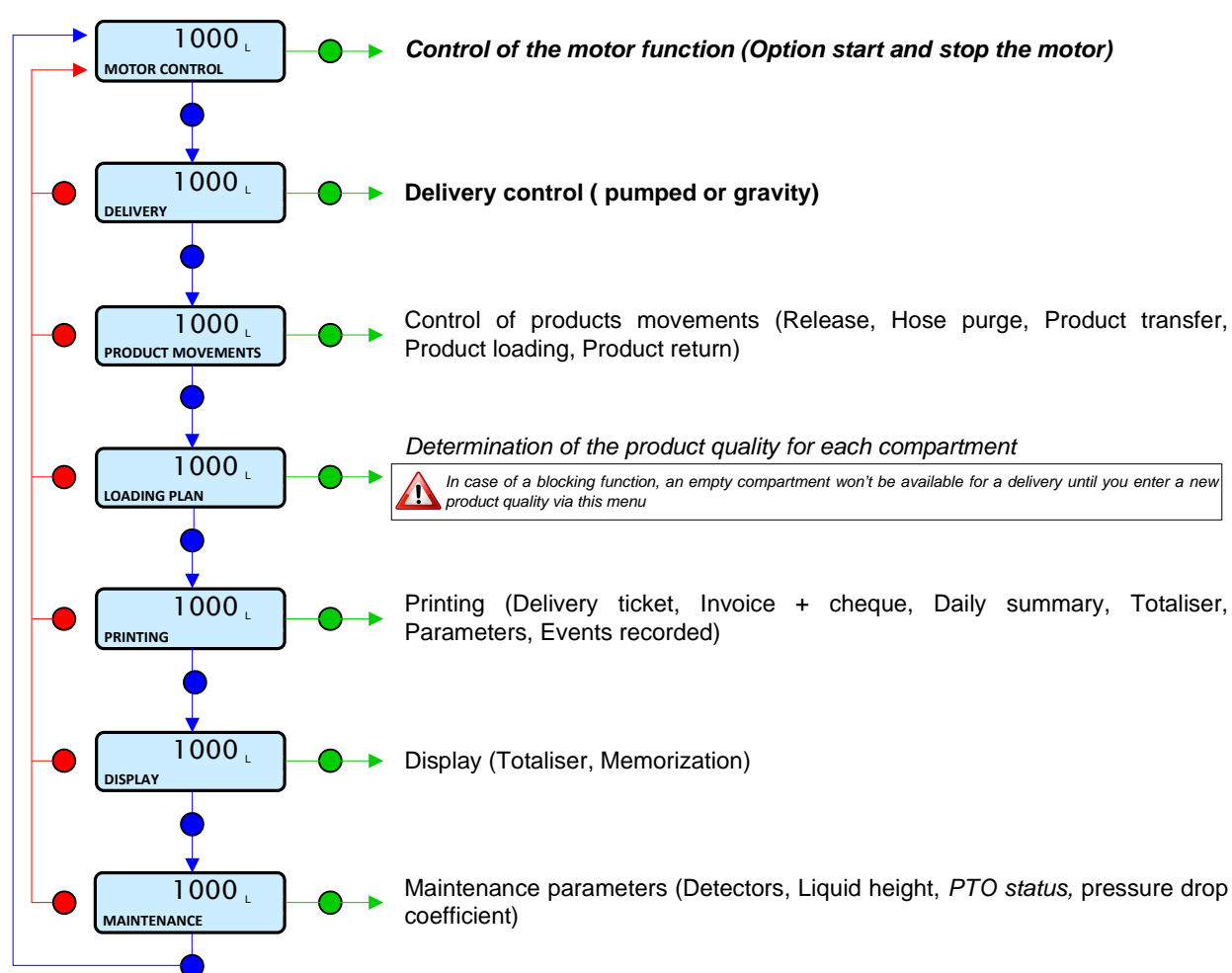


	<b>OPERATING GUIDE</b> <b>GRAVITRONIQUE</b>	GU 7071 EN A <a href="http://www.alma.alma.fr">www.alma.alma.fr</a>
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This document sketches out the main menus (please refer to operating manual MU 7071 EN for further information).

### USING THE BUTTONS

- |  |  |  |
|--|--|--|
| <ul style="list-style-type: none"> <li><span style="color: red;">●</span> - Come back to the previous stage</li> <li><span style="color: red;">●</span> - Increment the blinking figure</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: blue;">●</span> - Choose the menu option</li> <li><span style="color: blue;">●</span> - Access to the following figure</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: green;">●</span> - Validate the displayed option</li> <li><span style="color: green;">●</span> - Validate the entry data</li> </ul> |
|--|--|--|



# RUN A PUMPED DELIVERY

## 1. POWER UP AND START THE MOTOR

Power up (battery isolation switch)

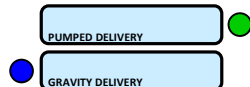


● Back to DELIVERY menu

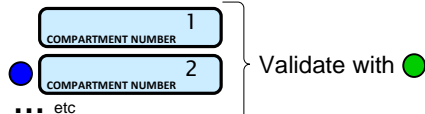
## 2. PREPARE THE PUMPED DELIVERY



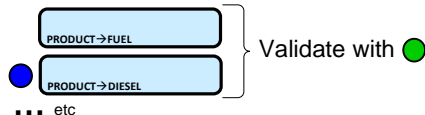
### ▲ SELECT THE PUMPED DELIVERY



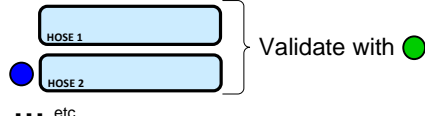
### ▲ CHOOSE THE COMPARTMENT ⚠ with active option



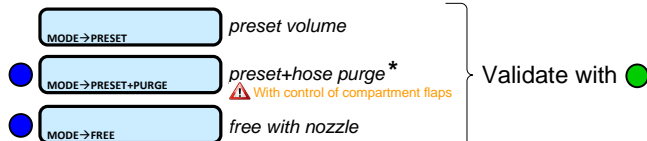
### ▲ CHOOSE THE PRODUCT



### ▲ SELECT THE DISTRIBUTION OUTLET ⚠ with active option



### ▲ SELECT THE DISTRIBUTION MODE



### ▲ SET THE VOLUME ⚠ with PRESET or PRESET+PURGE MODE



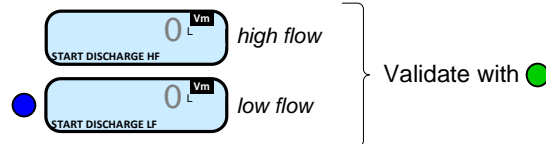
● Change the blinking figure value

● Access to the following figure

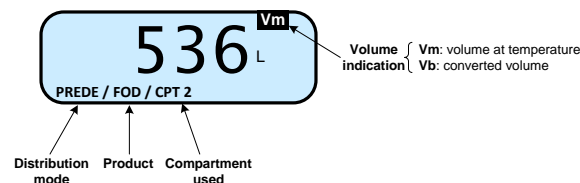
● Validate the entry data

## 3. CARRY OUT THE DELIVERY

### ▲ START THE DELIVERY



Display during discharge:



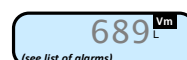
*The discharge may be interrupted by several situations:*

### ► THE COMPARTMENT IS EMPTY



- Choose another compartment
- Start delivery §3

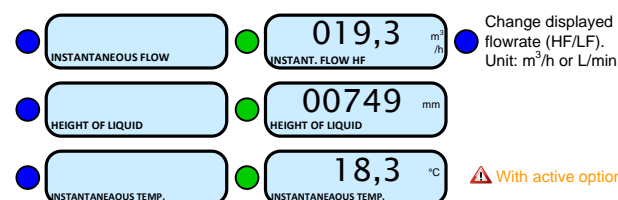
### ► APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM



### ► INTENTIONAL INTERRUPTION OF THE DELIVERY



### ▲ DISPLAY DISCHARGE INFORMATION



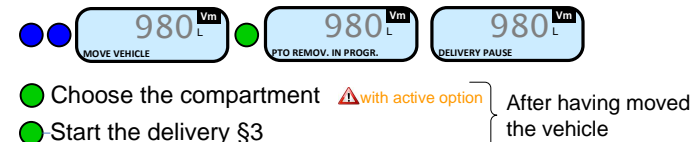
Back to normal display is automatic. DON'T PRESS STOP PUSHBUTTON.

## 4. CONTINUE OR STOP THE DELIVERY

### ▲ CONTINUE THE DELIVERY

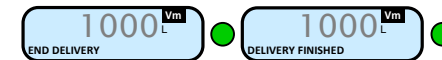


### ▲ STOP THE DELIVERY (move the vehicle)

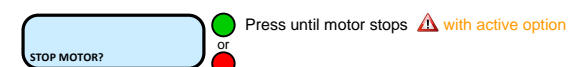


## 5. END THE DELIVERY

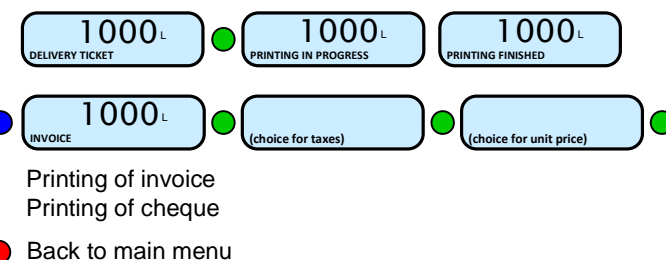
### ▲ FINISH THE DELIVERY



## 6. STOP THE MOTOR



## 7. PRINT THE DELIVERY DOCUMENTS



### MEANING OF SYMBOLS

- ▲ Mandatory action
- ▲ Optional action (depends on configuration chosen)
- Event during delivery
- 👤 Action by operator

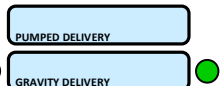
\*With the distribution mode PRESET+PURGE choose the product and the compartment used for the purge.

# RUN A GRAVITY DELIVERY

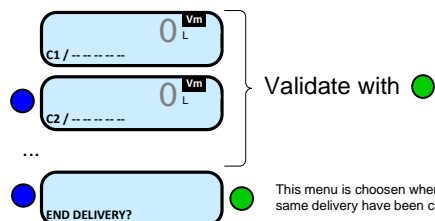
## 1. PREPARE THE OPERATION



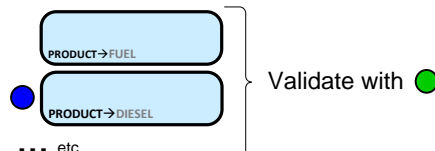
### ▲ SELECT THE GRAVITY DELIVERY



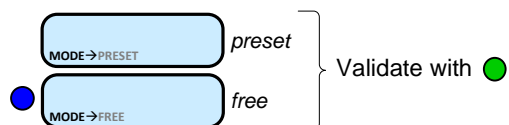
### ▲ CHOOSE THE COMPARTMENT



### ▲ CHOOSE THE PRODUCT



### ▲ CHOOSE THE DISTRIBUTION MODE



### ▲ SET THE VOLUME ⚠ with PRESET MODE



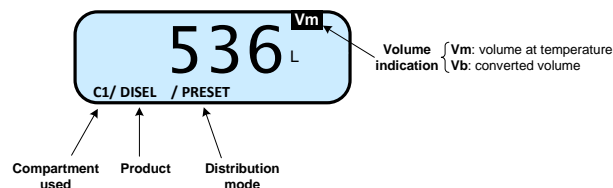
- Change the blinking figure value
- Access to the following figure
- Validate the entry data

## 2. CARRY OUT THE OPERATION

### ▲ START THE OPERATION



Display during discharge:



*The discharge may be interrupted by several situations:*

### ► APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM



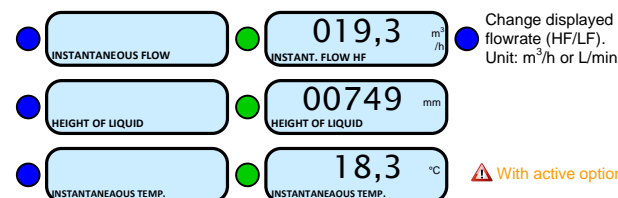
- Continue or stop the operation (§3)

### ► INTENTIONAL INTERRUPTION OF THE OPERATION



- Continue or stop the operation (§3)

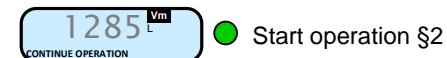
### ▲ DISPLAY DISCHARGE INFORMATION



Back to normal display is automatic. DON'T PRESS STOP PUSHBUTTON.

## 3. CONTINUE OR STOP THE OPERATION

### ▲ CONTINUE OPERATION

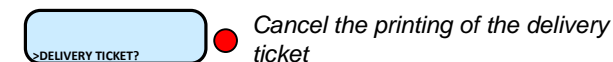


### ▲ END THE OPERATION



Back to compartment selection menu §1

## 4. END THE DELIVERY



Add paper before validation



Back to main menu §1

## MEANING OF SYMBOLS

- ▲ Mandatory action
- ▲ Optional action (depends on configuration chosen)
- Event during delivery
- ✎ Action by operator

# LISTE DES ALARMES

		DISPLAY	MEANING	ACTION
USER	COMMON	STOP DELIVERY	Intentional interruption of discharge	Continue, stop or finish the operation
		PRINTER DEFAULT	No more communication with the printer	Check the connection cable, on-off switch and fuse
		POWER SUPPLY PROBLEM	Power outage during delivery	Check the cause / Restore power supply
		ZERO FLOW DEFAULT	Zero flow	Check if the pulse transmitter is powered (red indicators)
		LOW FLOW DEFAULT	Low flowrate (less than 4m <sup>3</sup> /h)	Check the hydraulic system (valve, strainer, nozzle...)
		HIGH FLOW DEFAULT	High flowrate (greater than maximum flowrate)	Check the parameters / Reduce flowrate
		DIARY DEFAULT	Reset of the events diary	Acknowledge the alarm, check the date in supervisor mode (magnet key)
	PUMPED	GAS DETECTOR DEFAULT	End-of-counting detector failure	Use the maintenance mode to check the status of the detector
		EMA METERING PROBLEM	Metering problem with the measuring device	Check if the pulse transmitter is powered (red indicators),
		PTO DEFAULT	Coherence failure with power take-off	Check the power take-off status in driver's cab
		OVERFILL DEFAULT	Overfilling during a product movement	Transfer product in another compartment
		RUPTURE GD DEFAULT	Rupture detector failure	Use the maintenance mode to check the status of the detector
REPAIRER	GRAVITY	PURGE NOT FINISHED	Purge of manifold (and/or hose) not finished	Finish the purge of the manifold (and/or hose)
		MANIFOLD NOT EMPTY	The manifold is not empty at the beginning of the operation	Follow the manifold release sequence
		FILLING DEFAULT	The manifold is not full of product	Fill the manifold
	COMMON	FLAP LEAK DEFAULT	Product leakage from a flap	Check the flap
		DISPLAY DEFAULT	Problem with display card	If steady alarm, substitution of the display card
		WATCHDOG DEFAULT	Fault with display or power card or AFSEC+ card	Switch on-off the MICROCOMPT+ /
	PUMPED	VOLUME CONVER DEFAULT	Problem during conversion of volume	If steady alarm, substitution of the faulty card
		TOTALISER LOST	Loss of totalizer	If steady alarm, substitution of the AFSEC+ electronic card
		PRESSURE DEFAULT	Pressure determination failure	Substitution of the backup battery
		TEMPERATURE DEFAULT	Temperature determination failure	If steady alarm, see a reparator for trouble shooting
		MEMORY LOST (PILE)	Loss of saved memory	If steady alarm, see a reparator for trouble shooting
REPAIRER	BLOCKING	MEMORY LOST	Delivery diary lost	Substitution of the backup battery
		DATE AND TIME LOST	Loss of date and time	Enter and exit the METRO mode /
		COEFFICIENTS DEFAULT	Deviation between coefficient LF/HF greater than 0.5%	If steady alarm, substitution of the backup battery
	COMMON	GAS DEFAULT	Detection of air during high flow delivery	Set date and time in supervisor mode (magnetic key)
		PROM DEFAULT	Loss of software or resident integrity	Modification of the low flow coefficient (K1)
		RAM DEFAULT	Saved memory fault	If steady alarm, see a reparator for trouble shooting
		EEPROM MEMORY LOST	Loss of metrological configuration	Substitution of the AFSEC+ electronic card
		MEMORY OVER LOADED	Delivery diary is full	Substitution of the AFSEC+ electronic card
				Substitution of the AFSEC+ electronic card