


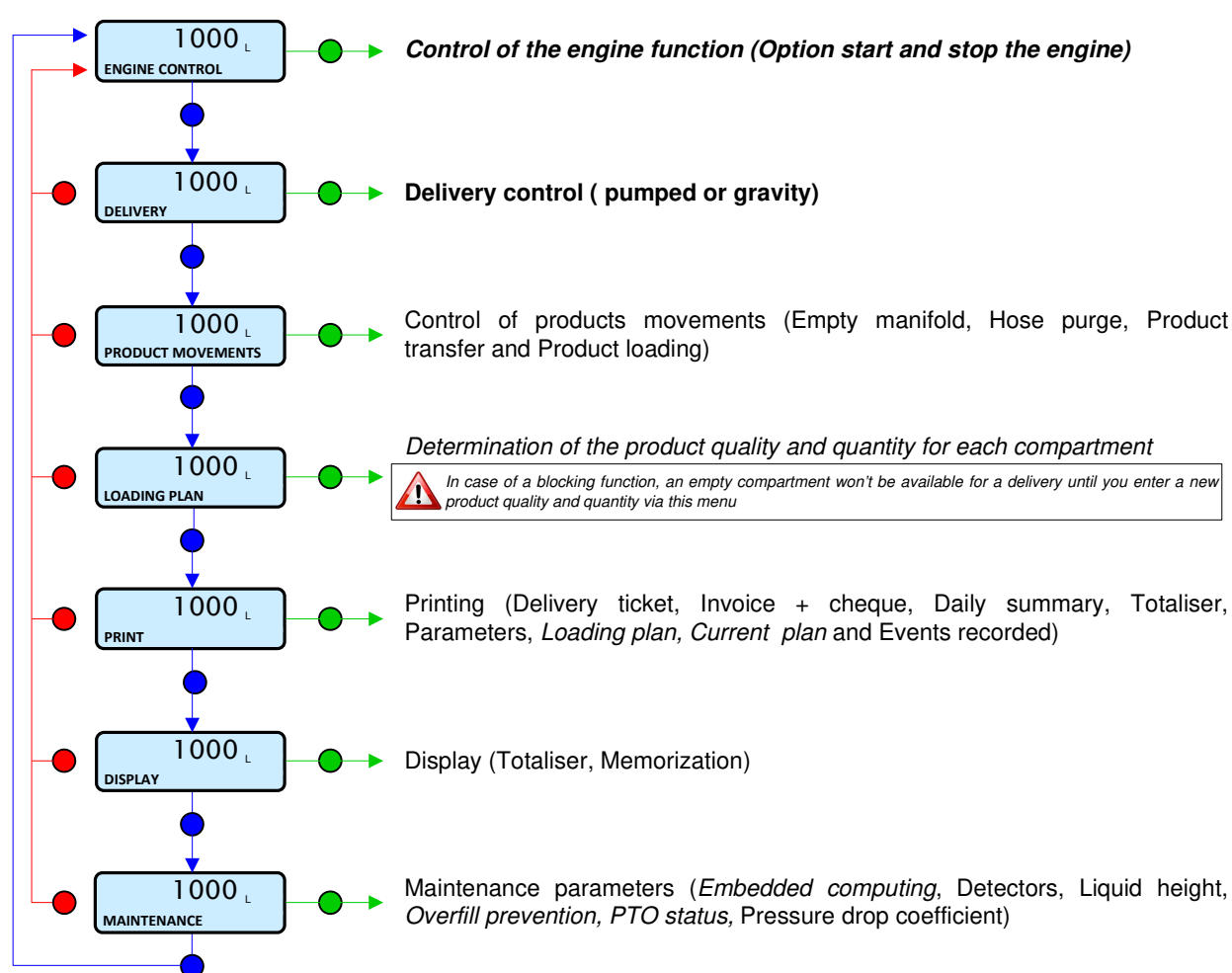


	OPERATING GUIDE GRAVITRONIQUE	GU 7071 EN C www.alma.alma.fr
---	--	--

This document sketches out the main menus (please refer to operating manual MU 7071 EN for further information).

USING THE BUTTONS

-  - Come back to the previous stage
 - Increment the blinking figure
-  - Choose the menu option
 - Access to the following figure
-  - Validate the displayed option
 - Validate the entry data



RUN A PUMPED DELIVERY

1. POWER UP AND START THE MOTOR

Power up (battery isolation switch)

MOTOR CONTROL 1000 L ● MOTOR→START ● Press until motor starts

● Back to DELIVERY menu

2. PREPARE THE PUMPED DELIVERY

DELIVERY 1000 L ● Display test

▲ SELECT THE PUMPED DELIVERY

WAY→PUMPED ●
● WAY→GRAVITY

▲ CHOOSE THE COMPARTMENT ⚠ With active option

COMPARTMENT NUMBER 1
● COMPARTMENT NUMBER 2
... etc } Validate with ●

▲ CHOOSE THE PRODUCT

PRODUCT→FUEL
● PRODUCT→DIESEL
... etc } Validate with ●

▲ SELECT THE DISTRIBUTION OUTLET ⚠ With active option

HOSE 1
● HOSE 2
... etc } Validate with ●

▲ SELECT THE DELIVERY MODE

MODE→PRESET ● END→FULL
preset: end with full or empty manifold ● END→EMPTY } Validate with ●
● MODE→PRESET+PURGE preset+hose purge*
● MODE→FREE free with nozzle ⚠ With control of compartment flaps

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

00000 L
ENTER PRESET VOLUME

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

3. CARRY OUT THE DELIVERY

▲ START THE DELIVERY

START HIGH FLOW 0 L Vm
● START LOW FLOW 0 L Vm } Validate with ●

Display during delivery:

536 L Vm
PREDE / FOD / CPT 2
Distribution mode Product Compartment used
Volume indication { Vm: volume at temperature Vb: converted volume

The delivery may be interrupted by several situations:

► THE COMPARTMENT IS EMPTY

980 L Vm ● 980 L Vm
COMPARTMENT 2 EMPTY CONTINUE DELIVERY

● Choose another compartment

● Start delivery §3

► APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM

689 L Vm
(see list of alarms)

● Continue/stop (§4) or end (§5) the delivery

► INTENTIONAL INTERRUPTION OF THE DELIVERY

735 L Vm
STOP DELIVERY

● Continue/stop (§4) or end (§5) the delivery

▲ DISPLAY DELIVERY INFORMATION

INSTANTANEOUS FLOW 019,3 m³/h
● INSTANT. HIGH FLOW
LIQUID HEIGHT 00749 mm
● LIQUID HEIGHT
INSTANT. TEMPERATURE 18,3 °C
● INSTANT. TEMPERATURE ⚠ With active option

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

4. CONTINUE OR STOP THE DELIVERY

▲ CONTINUE THE DELIVERY

980 L Vm
CONTINUE DELIVERY

● Start the delivery §3

▲ STOP THE DELIVERY (move the vehicle)

980 L Vm ● 980 L Vm ● 980 L Vm
MOVE VEHICLE PTO REMOVING... DELIVERY PAUSE

● Choose the compartment ⚠ With active option } After having moved the vehicle
● Start the delivery §3

5. END THE DELIVERY

FINISH THE DELIVERY

1000 L Vm ● 1000 L Vm
END DELIVERY DELIVERY FINISHED

● Move the vehicle (§4)

● Continue the delivery (§4)

6. STOP THE ENGINE

STOP ENGINE? ● Press until engine stops ⚠ With active option
or ●

7. PRINT THE DELIVERY DOCUMENTS

✎ Add paper in printer

1000 L ● 1000 L ● 1000 L
DELIVERY TICKET PRINTING... PRINTING FINISHED

1000 L ● (choice for taxes) ● (choice for unit price) ●
INVOICE

Printing of invoice
Printing of cheque

● Back to main menu

MEANING OF SYMBOLS

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

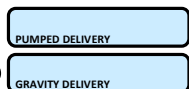
*Only with full hose No. 1. With the distribution mode PRESET+PURGE choose the product and the compartment used for the purge.

RUN A GRAVITY DELIVERY

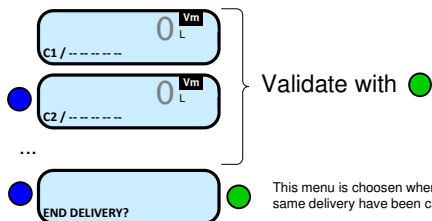
1. PREPARE THE OPERATION



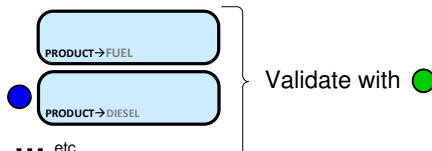
▲ SELECT THE GRAVITY DELIVERY



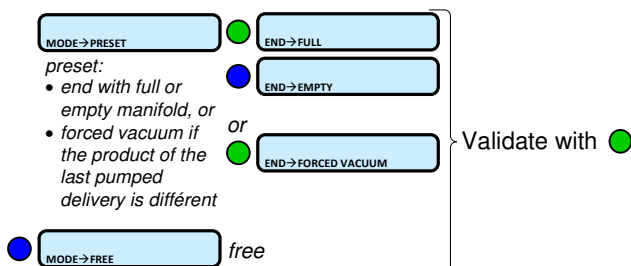
▲ CHOOSE THE COMPARTMENT



▲ CHOOSE THE PRODUCT



▲ CHOOSE THE DELIVERY MODE



▲ SET THE VOLUME

▲ With PRESET MODE



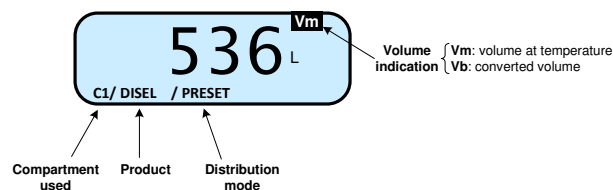
- Change the blinking figure value
- Access to the following figure
- Validate the entry data

2. CARRY OUT THE OPERATION

▲ START THE OPERATION



Display during discharge:



The delivery may be interrupted by several situations:

► APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM



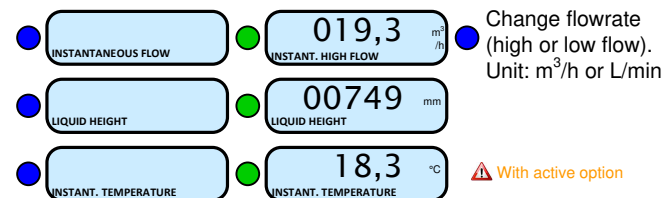
- Continue or stop the operation (§3)

► INTENTIONAL INTERRUPTION OF THE OPERATION



- Continue or stop the operation (§3)

▲ DISPLAY DISCHARGE INFORMATION



Back to normal display is automatic:
DO NOT PRESS RED STOP BUTTON.

3. CONTINUE OR STOP THE OPERATION

▲ CONTINUE OPERATION



▲ END THE OPERATION



Back to compartment selection menu §1

4. END THE DELIVERY



5. PRINT THE DELIVERY DOCUMENTS

Hand Add paper in printer before validation ●



Printing of invoice
Printing of cheque

- Back to main menu

MEANING OF SYMBOLS

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

LIST OF ALARMS

		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
	PUMPED	ZERO FLOW DEFAULT	Zero flow	Check if the pulse transmitter is powered (red indicators)
		LOW FLOW DEFAULT	Low flowrate (less than 4m ³ /h)	Check the hydraulic system (valve, strainer, nozzle...)
		HIGH FLOW DEFAULT	High flowrate (greater than maximum flowrate)	Check the parameters / Reduce flowrate
	GRAVITY	DIARY DEFAULT	Reset of the events diary	Acknowledge the alarm, check the date in supervisor mode (magnet key)
		Three tricolour LED on the MICROCOMPT+ front face are showing the wireless connection status as described in the annexe to operating manual MU 7071 EN		
		GAS DETECTOR DEFAULT	End-of-counting detector failure	Use the maintenance mode to check the status of the detector
REPAIRER	COMMON	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
	PUMPED	RUPTURE GD DEFAULT	Rupture detector failure	Use the maintenance mode to check the status of the detector
		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
	GRAVITY	FILLING DEFAULT	The manifold is not full of product	Fill the manifold
		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
	COMMON	WATCHDOG DEFAULT	Fault with display or power card or AFSEC+ card	Switch on-off the MICROCOMPT+ /
		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
	PUMPED	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	PUMPED	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
	BLOCKING	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
	BLOCKING	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