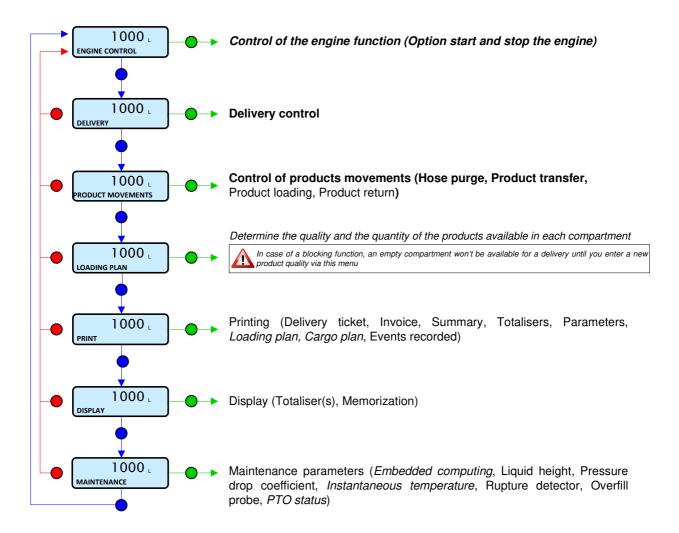


OPERATING GUIDE CMA TRONIQUE

GU 7034 EN H

www.alma.alma.fr

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



RUN A DELIVERY

1. POWER UP AND START THE ENGINE

Power up (battery isolation switch)



Back to DELIVERY menu

2. PREPARE THE DELIVERY



▲ SELECT THE DISTRIBUTION LINE Awith active option



▲ SELECT THE DISTRIBUTION OUTLET △ with active option



▲ CHOOSE THE PRODUCT



A SELECT THE DISTRIBUTION MODE



*With the distribution mode PRESET+PURGE choose the <u>product</u> and the <u>compartment for the purge</u>.

SET THE VOLUME Awith PRESET or PRESET+PURGE MODE



▲ CHOOSE THE COMPARTMENT ▲ with active option



In distribution mode PRESET+PURGE, after the scheduling you must choose the <u>compartment for the purge</u> and the <u>hose for next delivery</u>.

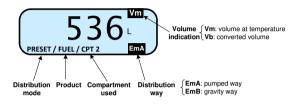


3. CARRY OUT THE DELIVERY

▲ START THE DELIVERY



Display during delivery:



The delivery may be interrupted by several situations:

► THE COMPARTMENT IS EMPTY



- Choose another compartment
- Start the delivery §3

► APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM

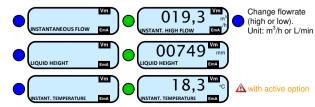


- Continue/suspend (§4) or end (§5) the delivery
- ► INTENTIONAL INTERRUPTION OF THE DELIVERY



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

▲ DISPLAY 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
- A SUSPEND THE DELIVERY TO MOVE THE VEHICLE



- Remove the pump
- Start the delivery §3

After having moved the vehicle

5. END THE DELIVERY

▲ END THE DELIVERY

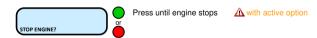


- Move the vehicle (§4)
- Ocontinue the delivery (§4)

A REMOVE THE PUMP



6. STOP THE ENGINE



7. PRINT THE DELIVERY DOCUMENTS





Printing of invoice Printing of cheque

Back to main menu

MEANING OF SYMBOLS

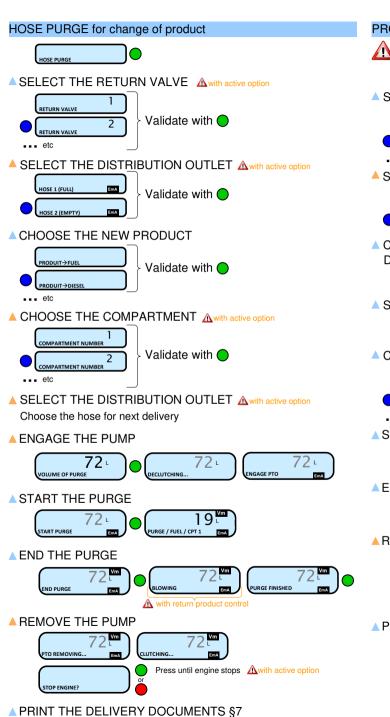
- Mandatory action
- Optional action (depends on configuration choosen)
- Event during delivery

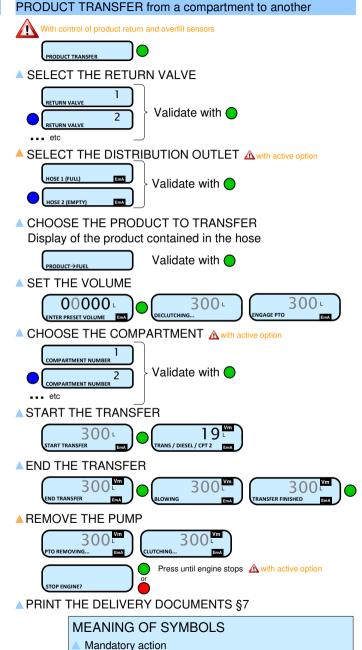
Action by operator

000000

002600

RUN A PRODUCT MOVEMENT





Optional action (depends on configuration choosen)

► Event during delivery

Action by operator

ENTRY MODES

SET THE VOLUME:

Validate the entry data

Ex: Set the volume 2600 liters

| | | ENTER PRESET VOLUME |
|----------------------------------|-------------|---------------------------------|
| Change the blinking figure value | o x2 | 002000 L ENTER PRESET VOLUME |
| Access to the following figure | x 1 | 002000 L ENTER PRESET VOLUME |
| Change the blinking figure value | x 6 | 0026001 |

SCHEDULING: Choose the compartment order

| Ex: Compartment order C6-C1-C7 | (1000000 |
|--------------------------------|----------------------------|
| Move on to the C6-digit | x5 000000 a a a a a a |
| Increment the digit value | 000001 a c2 c3 c4 c5 c6 |
| Move on to the C1-digit | x5 000001 a a a a a a |
| Increment the digit value | |
| Move on to the C7-digit | ● x6 000 (7 (8 (9 |
| Increment the digit value | X1 (300 (7 (8 (9 |
| Validate the scheduling | X3 SCHEDULING OK? |
| Clear the scheduling | • x3 000000 |

LIST OF ALARMS

| STOP DISCHARGE PRINTER FAILURE Communication with the printer tost Jammed paper in the printer Ower SUPPLY PROBLEM LOW FLOW DEFAULT LOW flowards (less than 4m²/th) LOW FLOW DEFAULT DIARY DEFAULT TERES of INOW DEFAULT ADDITIVE CONTROL Additive injection failure ADDITIVE CONTROL Three tricolour LED on the MICROCOMPT+ front face are showing the wireless connection status as described in the annexe to operating manual MU 7034 NICOPERILD EFAULT OVERFILD EFAULT Coherence failure in metering lines PTO DEFAULT COHERENT SIGNAL Coherence failure in metering lines Check the position of the manual selection valves PTO DEFAULT RUPTURE DR DEFAULT Coherence failure with power take-off PTO DEFAULT PURGE NOT FINISHED FAIL DISPRIG NO, normulated into failure The BEFAULT SPECION, do manual for including a product movement FAIL DISPRIG NO, morbunch of the site of the detector FINISHED FAIL DISPRIG NO, morbunch on to selection valves DSPGI ON, product not set in SUPERVISIOR mode Check the provision of the related compartment Orbeck the product is powered (red indicators). Transfer product in another compartment Use the maintenance mode to check the status of the detector Finish the purge Check the position of the related compartment DSPGI ON, product not set in SUPERVISIOR mode The lite of the status of the detector Finish the purge WATCHOOG DEFAULT Problem with display and Fault with display and Fault Septicular Fault with display or power card or AFSEC+ card TOTALISER 1 LOST Loss of totalizer VOLUME CONVER DEFAULT Temperature determination failure Totaliser 1 LOST TEMPERATURE 1 DEFAULT Temperature determination failure Totaliser 1 LOST Temperature determination failure Totaliser 2 LOST Totaliser 3 LOST Totaliser 3 LOST Totaliser 3 LOST Totaliser 4 LOST Totaliser 5 LOSS of totalizer Totaliser 5 LOSS of totalizer Totaliser 6 LORD Totaliser 2 LOST Totaliser 1 LOST Totaliser 2 LOST Totaliser 2 LOST Totaliser 3 LOS |
|--|
| POWER SUPPLY PROBLEM POWER SUPPLY PROBLEM POWER SUPPLY PROBLEM Power outage during discharge Check the parameters / Check the parameters |
| POWER SUPPLY PROBLEM LOW FLOW DEFAULT Low flowrate (less than 4m³/h) Check the parameters / Check the hydraulic system (valve, strainer, nozzle) HIGH FLOW DEFAULT ZERO FLOW DEFAULT DIARY DEFAULT ADDITIVE LOW LEVEL ADDITIVE LOW LEVEL ADDITIVE LOW LEVEL ADDITIVE CONTROL Additive injection failure Three tricolour LED on the MICROCOMPT+ front face are showing the wireless connection status as described in the annexe to operating manual MU 7034 INCOHERENT SIGNAL EMA METERING PROBLEM PTO DEFAULT OVERFILL DEFAULT OVERFILL DEFAULT OVERFILL DEFAULT OVERFILL DEFAULT PURGE NOT FINISHED FAIL PURGE NOT FINISHED FAIL DSPGI ON, communication failure DSPGI ON, product not set in SUPERVISOR mode EMB METERING PROBLEM Metering problem with the measuring device INCOHER Check the product setting UNDEF DSPGI ON, product not set in SUPERVISOR mode Metering problem with the measuring device INCOHER Check the products setting UNDEF DSPGI ON, product not set in SUPERVISOR mode Check if the pulse transmitter is powered (red indicators), if not check the products setting UNDEF DSPGI ON, product not set in SUPERVISOR mode Check if the pulse transmitter is powered (red indicators), if not check the products setting Check the DSPGI device Transfer product in another compartment Use the maintenance mode to check the status of the detector Finish the purge Thinish the purge Thinish the purge The maintenance mode to check the status of the detector failure Check the DSPGI device Thinish the purge Thinish the purge Thinish the purge The maintenance mode to check the status of the detector failure Use the maintenance mode to check the status of the detector Thinish the purge The maintenance mode to check the status of the detector Thinish the purge Thinis |
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| VOLUME CONVER DEFAULT Problem during conversion of volume If steady alarm, substitution of the AFSEC+ electronic card |
| |
| TOTALISER 1 LOST Loss of totalizer Substitution of the backup battery TEMPERATURE 1 DEFAULT Temperature determination failure If steady alarm, see a reparator for trouble shooting |
| TEMPERATURE 1 DEFAULT Temperature determination failure If steady alarm, see a reparator for trouble shooting |
| |
| TEMPERATURE 1 DEFAULT Temperature determination failure If steady alarm, see a reparator for trouble shooting |
| TOTALISER 2 LOST Loss of totalizer Substitution of the backup battery |
| PRESSURE DEFAULT Pressure determination failure If steady alarm, see a reparator for trouble shooting |
| MEMORY LOST (PILE) Loss of saved memory Substitution of the backup battery |
| TEMPERATURE 1 DEFAULT Temperature determination failure If steady alarm, see a reparator for trouble shooting TOTALISER 2 LOST Loss of totalizer Substitution of the backup battery PRESSURE DEFAULT Pressure determination failure If steady alarm, see a reparator for trouble shooting MEMORY LOST (PILE) Loss of saved memory Substitution of the backup battery MEMORY LOST Error on SIM memorization If steady alarm, substitution of the backup battery |
| COEFFICIENTS DEFAULT Deviation between coefficient LF/HF greater than 0.5% Modification of the low flow coefficient (K1) |
| PROM DEFAULT Loss of software or resident integrity Substitution of the AFSEC+ electronic card |
| COEFFICIENTS DEFAULT Deviation between coefficient LF/HF greater than 0.5% Modification of the low flow coefficient (K1) PROM DEFAULT Loss of software or resident integrity Substitution of the AFSEC+ electronic card RAM DEFAULT Saved memory fault Substitution of the AFSEC+ electronic card |
| EEPROM MEMORY LOST Loss of metrological configuration Substitution of the AFSEC+ electronic card |
| MEMORY OVER LOADED SIM memory full Substitution of the AFSEC+ electronic card |
| DATE AND TIME LOST Loss of date and time Set date and time in supervisor mode (supervisor key) |