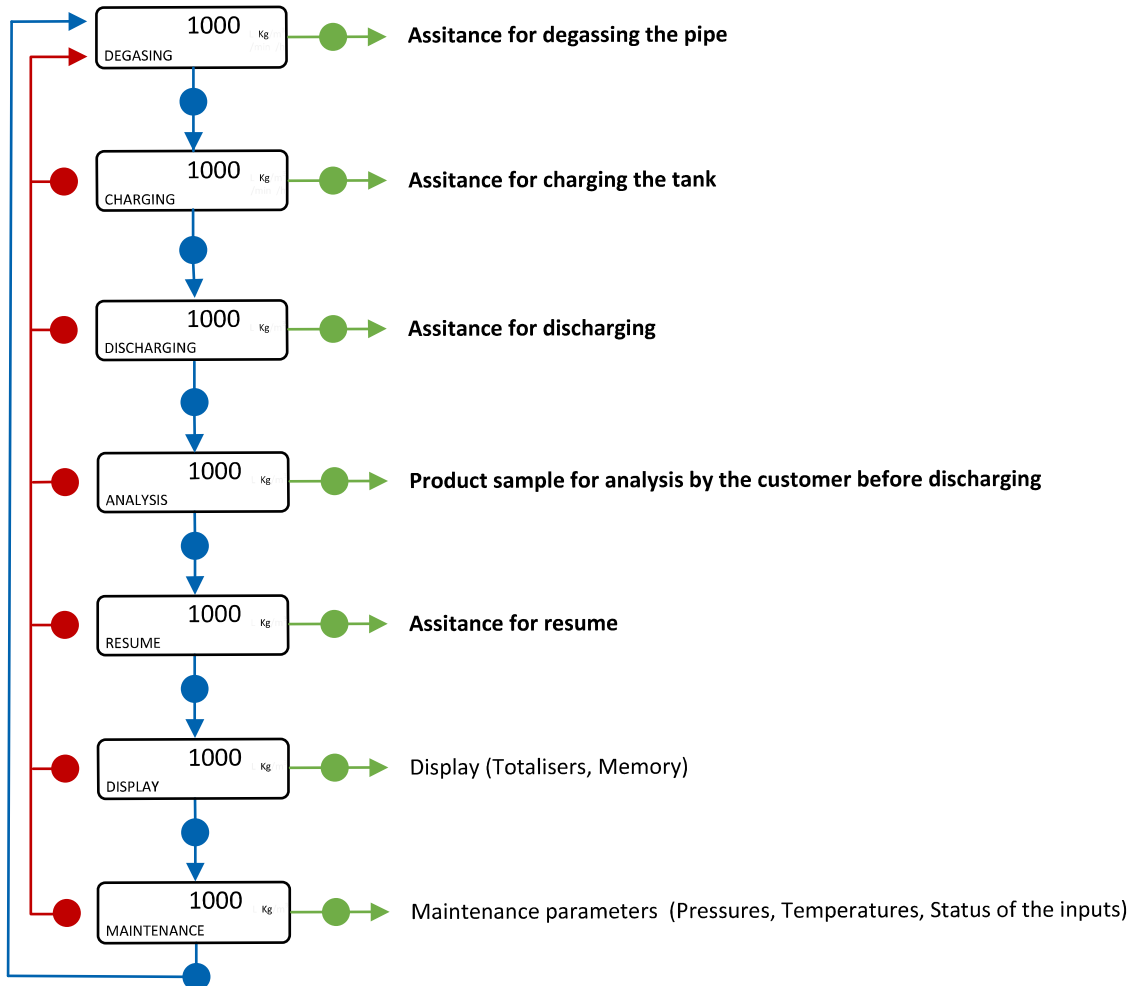














This document sketches out the main menus (please refer to operating manual MU 7092 EN for further information)

### 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 Wi-Fi	Connection OK		Waiting for internet connection		
				Internet connection OK		
		Waiting for initialization		Waiting for initialization		
Flashing light	Bluetooth Wi-Fi	Slow flashing: Waiting for connection		GPS OK		Authentication of the RFID key OK
	Bluetooth 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

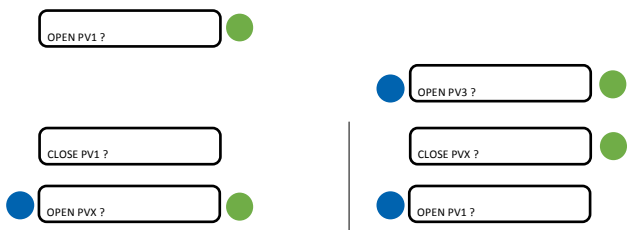
# CHARGING

## 1. CARRY OUT THE OPERATION

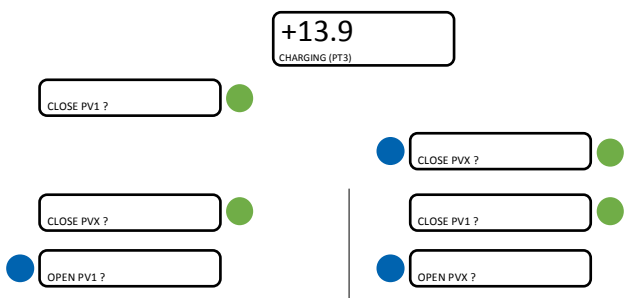
☞ Connect the hoses

PRESSURE CHARGING

☞ Open V19 and V8 to put the pipe under pressure. Then close V19 and V8. Open V3 and V5



Condition for charging: PV1 and PVX open



Condition to end operation: PV1 and PVX closed

## 2. CONTINUE THE OPERATION

CONTINUE OPERATION

● Start the operation

## 3. END THE OPERATION

● END OPERATION

● Continue the operation (§2)

## 4. COMPLETE THE OPERATION

CLOSE VALVES ? ●

☞ Open V19 then V10 and V15 to drain the pipe

PRESSURE PUMP

PRESSURE LIQUID

PRESSURE HOSE

OPERATION FINISHED ●

☞ Close again all the valves and disconnect the hose(s)

Back to main menu

## Interruption of the operation

▶ APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM

(see list of alarms)

● Continue (§2) or end (§3) the operation

▶ INTENTIONAL INTERRUPTION OF THE OPERATION

● ARRÊT OPERATION

● Continue (§2) or end (§3) the operation

## Display the delivery information

During an operation, the information that follow are available. Values are displayed 10 seconds

● +13.8  
PRESSURE LIQUID

● +14.1  
GAS RETURN (RGX)

● +13.9  
CHARGING (RLX)

⚠ With active option

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

## MEANING OF SYMBOLS

- ▲ Mandatory action
- ▲ Optional action
- ▶ Event during delivery
- ☞ Action by operator

# ANALYSIS

## 1. CARRY OUT THE OPERATION

👉 Connect the analysis device(s)

PRESSURE ANALYSIS

👉 Open V19 and V18 to put the pipe under pressure. Then close V19

OPEN PV1 ?

ANALYSIS (PT3)

👉 Open V16 for liquid sample or V17 for gas sample. Close the valve

CLOSE PV1 ?

### Interruption of the operation

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

(see list of alarms)

● Continue (§2) or end (§3) the operation

#### ▶ INTENTIONAL INTERRUPTION OF THE OPERATION

ARRET OPERATION

● Continue (§2) or end (§3) the operation

### Display the delivery information

During an operation, the information that follow are available. Values are displayed 10 seconds

PRESSURE LIQUID

CHARGING (RLX)



With active option

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

## 2. CONTINUE THE OPERATION

CONTINUE OPERATION

● Start the operation

## 3. END THE OPERATION

END OPERATION

OPERATION FINISHED

● Continue the operation (§2)

## 4. COMPLETE THE OPERATION

CLOSE VANNES ?

👉 Open V18 and V17 (or V16) to drain the pipe

PRESSURE PUMP

PRESSURE LIQUID

PRESSURE HOSE

OPERATION FINISHED

👉 Close again all the valves and disconnect the hose(s)

Back to main menu

# DEGASSING

## 1. CARRY OUT THE OPERATION

👉 Connect the hose(s)

PRESSION RETOUR GAZ

👉 Open V5 to put the pipe under pressure

OPEN PVX ?

DEGASSING (PT4)

CLOSE PVX ?

## 2. COMPLETE THE OPERATION

CLOSE VANNES ?

👉 Close V5

PRESSURE PUMP

PRESSURE LIQUID

PRESSURE HOSE

OPERATION FINISHED

👉 Close again the valves and disconnect the hose(s)

Back to main menu

### MEANING OF SYMBOLS

▲ Mandatory action

▲ Optional action

▶ Event during delivery

👉 Action by operator

# DISCHARGING

## 1. PREPARE THE OPERATION

👉 Supply the variator

👉 Connect the hose(s)

SINGLE HOSE  
 DOUBLE HOSE

Validate with ●

👉 Open V1

👉 Open V2 at 1/3 of its capacity

👉 Open V7 to put the pipe under pressure. Then close it back

●

●

Start pump cooling

Control pump cooling

●

👉 Open V9 then close it back

👉 Open V5 with double hose

## 2. CARRY OUT THE OPERATION

▲ START THE OPERATION

●  ●  ●

👉 Open V4 while closing V2

### Interruption of the operation

▶ APPEARANCE OF A FAULT AND DISPLAY OF AN ALARM

(see list of alarms)

● Continue (§3) or end (§4) the operation

▶ INTENTIONAL INTERRUPTION OF THE OPERATION

●

● Continue (§3) or end (§4) the operation

### Display the delivery information

During an operation, the information that follow are available. Values are displayed 10 seconds

- 
- 
- 
- 
- ⚠ With active option
- ⚠ With active option
- 
- 

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

## 3. CONTINUE THE OPERATION

●

● Start the operation (§2)

## 4. END THE OPERATION

●  ●

● Continue the operation (§3)

## 5. COMPLETE THE OPERATION

●

👉 Open V2, V4 and V7 then V11 (and V15) to drain the pipe(s)

●

👉 Close again the valves and disconnect the hose(s)

Back to main menu

### MEANING OF SYMBOLS

- ▲ Mandatory action
- ▲ Optional action
- ▶ Event during delivery
- 👉 Action by operator

# RESUME

## 1. PREPARE THE OPERATION

Supply the variator

Connect the hose(s)

SINGLE HOSE  
 DOUBLE HOSE

Validate with

PRESSURIZE PUMP

Open V2

Open V1

Open V19 to put the pipe under pressure. Then close it back

OPEN PV2 ?

Open V5 with double hose

OPEN PVX ?

Open V8 then close it back

PRESSURE CHARGING

Open V3

Start pump cooling

PUMP COOLING

Control pump cooling

## 2. CARRY OUT THE OPERATION

### START THE OPERATION

START RESUME? 
 START PUMP? 
 PRIMING

RESUME

### Interruption of the operation

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

(see list of alarms)

Continue (\$3) or end (\$4) the operation

#### INTENTIONAL INTERRUPTION OF THE OPERATION

ARRET OPERATION

Continue (\$3) or end (\$4) the operation

### Display the delivery information

During an operation, the information that follow are available. Values are displayed 10 seconds

PUMP SUCCION  
 PUMP OUTLET  
 PRESSURE LIQUID  
 GAS RETURN (RGX)  
 CHARGING (RLX) With active option  
 DISCHARGING (RLX) With active option  
 METER TEMPERATURE  
 PUMP TEMPERATURE

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

## 3. CONTINUE THE OPERATION

kg  
CONTINUE OPERATION

Start the operation (\$2)

## 4. END THE OPERATION

kg 
  kg   
 END OPERATION      OPERATION FINISHED

Continue the operation (\$3)

## 5. COMPLETE THE OPERATION

CLOSE VALVES ?

Open V3 and V5 then V10 and V15 to drain the pipe

PRESSURE PUMP

PRESSURE LIQUID

PRESSURE HOSE

OPERATION FINISHED

Close again the valves and disconnect the hose(s)

Back to main menu

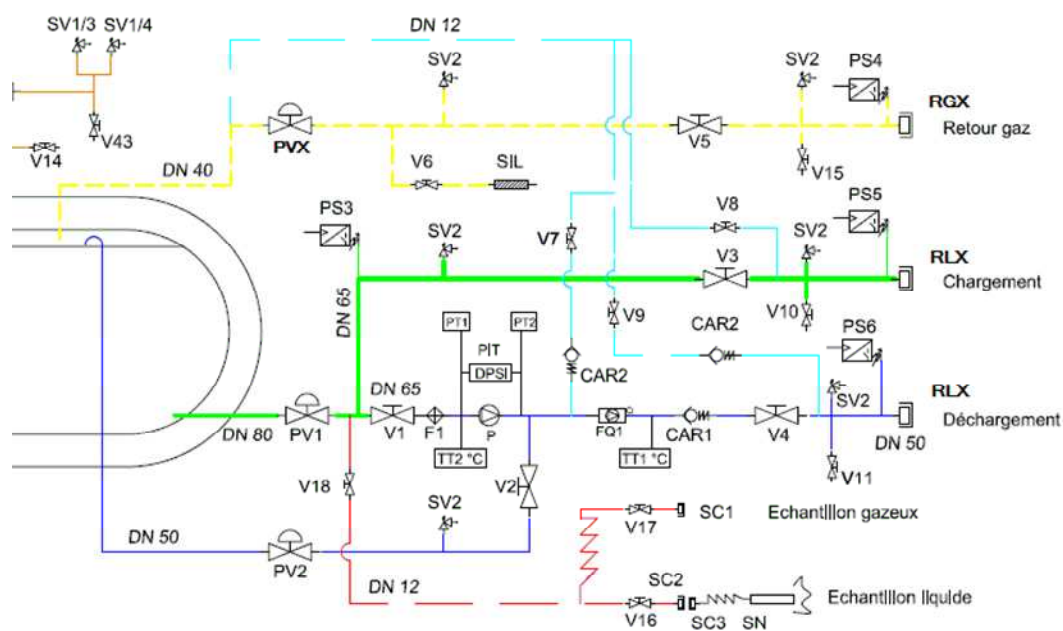
### MEANING OF SYMBOLS

- Mandatory action
- Optional action
- Event during delivery
- Action by operator

# LIST OF ALARMS

	DISPLAY	MEANING	ACTION
USER	STOP OPERATION	Intentional interruption of the operation	Continue or end the operation
	EMERGENCY SHUTDOWN	Emergency stop triggered by remote control	Continue, stop or finish delivery or product return
	POWER SUPPLY PROBLEM	Power outage during the operation	Check the cause
	LOW FLOW FAULT	Low flowrate (lower than minimal flowrate)	Check the hydraulic system
	HIGH FLOW FAULT	High flowrate (greater than maximal flowrate)	Reduce flowrate
	EM METERING PROBLEM	Metering problem with the measuring device	Check if the pulse transmitter is powered (red indicators)
	DIARY FAULT	Reset of the events diary	Acknowledge the alarm, check the date in supervisor mode (RFID key)
	DISPLAY FAULT	Problem with display card	If steady alarm, substitution of the display card
	WATCHDOG FAULT	Fault with display or power card or AFSEC+ card	If steady alarm, substitution of the faulty card
REPARATOR	TOTALISER LOST	Loss of totaliser	Substitution of the backup battery
	PRODUCT TEMP FAULT	Incorrect product temperature measurement	If steady alarm, see a reparator for trouble shooting
	PUMP TEMP FAULT	Incorrect pump temperature measurement	If steady alarm, see a reparator for trouble shooting
	CAVITATION FAULT	Incorrect pump Delta-P	Check the circuit pressure, 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	Substitution of the backup battery
	DATE AND TIME LOST	Loss of date and time	Set date and time in supervisor mode (RFID key)
	COEFFICIENTS FAULT	Deviation between coefficient LF/HF	Modification of the low flow coefficient (K1)
	PROM FAULT	When updating the app	No required action
		Loss of software or resident integrity	Substitution of the AFSEC+ electronic card
	RAM FAULT	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	The oldest recording is older than 3 months
	PT1 FAULT	Problem with pressure transmitter PT1	Make sure PT1 is operational
	PT2 FAULT	Problem with pressure transmitter PT2	Make sure PT2 is operational
	PT3 FAULT	Problem with pressure transmitter PT3	Make sure PT3 is operational
PT4 FAULT	Problem with pressure transmitter PT4	Make sure PT4 is operational	

## Example of PID



The PVX, RGX and RLX terminologies are configurable and depend on the truck's instrumentation (PID).