# **HYDRA MT**

**INSTALLATION MANUAL** 

ΕN

**HANDBUCH** 

DE

**MANUAL DE INSTALACION** 

ES

MANUEL D'INSTALLATION

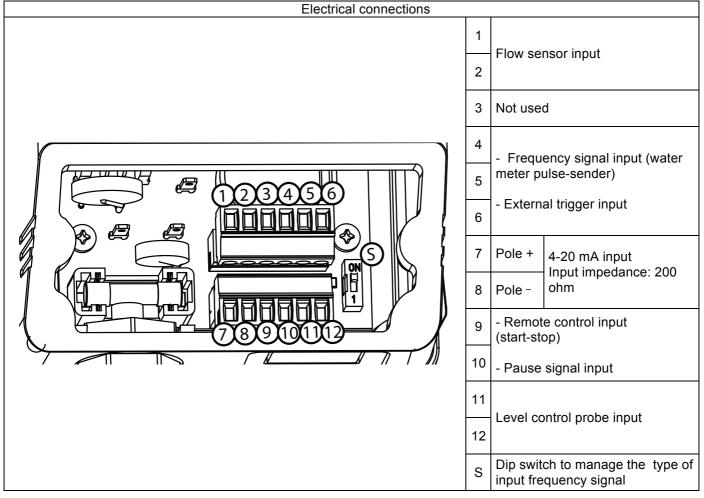
FR

**MANUALE D'INSTALLAZIONE** 

EM00136303 rev.1.0

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To start and stop the pump. To disable the display notification in case of active level alarm condition (only alarm function), flow alarm condition and memory. In programming mode it functions as "enter", to confirm the access and the changes within the various menu levels.	Control panel – HYDRA MT			
To start and stop the pump. To disable the display notification in case of active level alarm condition (only alarm function), flow alarm condition and memory. In programming mode it functions as "enter", to confirm the access and the changes within the various menu levels.  To "escape" the various menu levels. Before exiting the programming mode you will be prompted to save the changes. Prolonged pressure displays the screen for the flow sensor calibration.  to change the contrast.  To scroll the menus or change the parameters in programming mode. In Batch, Timer mode, simulating the external trigger can start the dosage.		Alarm		
To disable the display notification in case of active level alarm condition (only alarm function), flow alarm condition and memory.  In programming mode it functions as "enter", to confirm the access and the changes within the various menu levels.  To "escape" the various menu levels. Before exiting the programming mode you will be prompted to save the changes.  Prolonged pressure displays the screen for the flow sensor calibration.  To scroll the menus or change the parameters in programming mode.  In Batch, Timer mode, simulating the external trigger can start the dosage.	enter 1 i i cont 1 i	To access the programming menu. (Press and hold down simultaneously for at least 3 seconds).		
to save the changes. Prolonged pressure displays the screen for the flow sensor calibration.  to change the contrast.  To scroll the menus or change the parameters in programming mode. In Batch, Timer mode, simulating the external trigger can start the dosage.	Gintar Gent Hop	To disable the display notification in case of active level alarm condition (only alarm function), flow alarm condition and memory.  In programming mode it functions as "enter", to confirm the access and the changes within the		
In Batch, Timer mode, simulating the external trigger can start the dosage.		To "escape" the various menu levels. Before exiting the programming mode you will be prompted to save the changes.  Prolonged pressure displays the screen for the flow sensor calibration.		
		In Batch, Timer mode, simulating the external trigger can start the dosage.		
Green LED flashes while dosing. Red LED turns on in case of various alarm conditions.	Alarm			



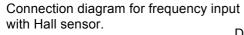
## Dip switch position and connections for frequency signals input mode

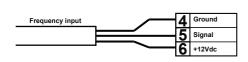
Connection diagram for frequency input with dry contact

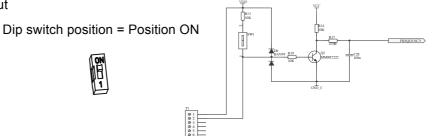
Dip switch position = Position ON



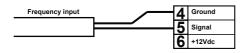








Connection diagram for frequency input with voltage signal



Dip switch position = Position 1

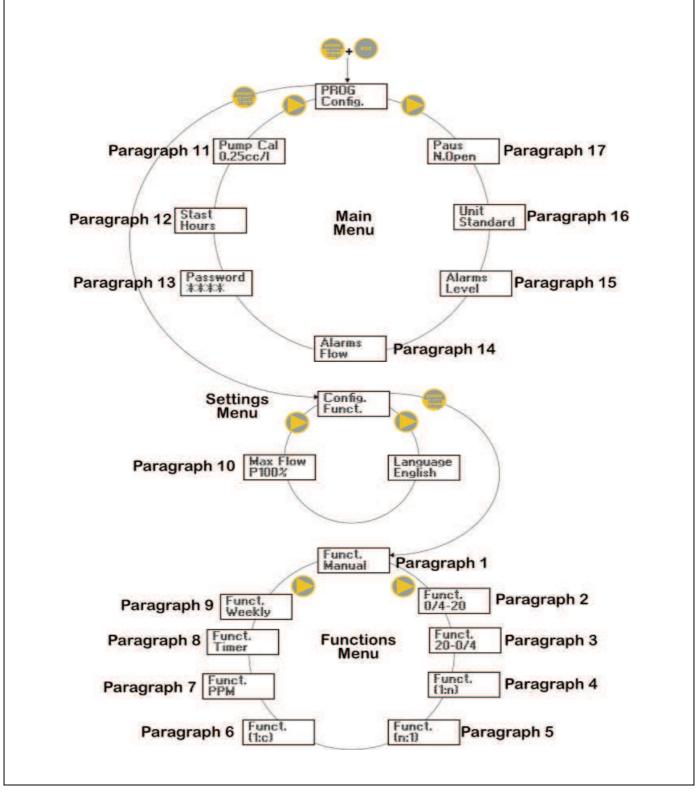


# Press the + keys for more than three seconds to access the programming mode. Press the key to scroll the menu items then press the key to access the options. Whenever a menu item is editable, it flashes. y default, the pump is set for constant mode. The pump automatically returns to operating mode after 1 minute of inactivity. In this case, the data entered will not be saved. Press the key to exit the programming levels. When you exit the programming mode, the display shows:

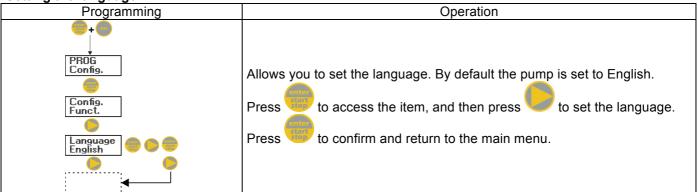
to confirm your choice.

No Salva

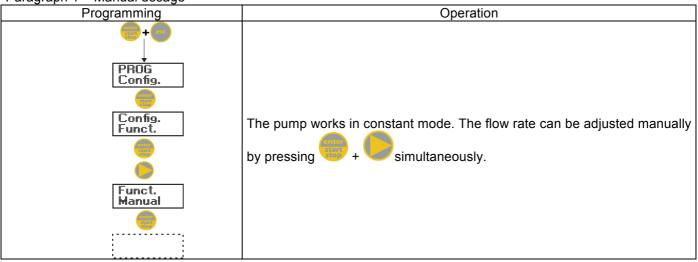
Salva

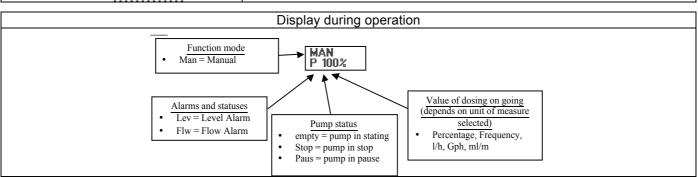


Setting the language

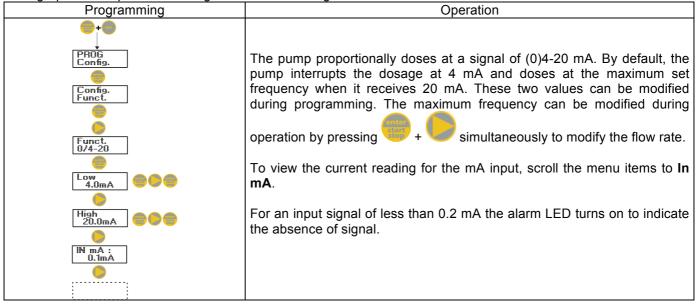


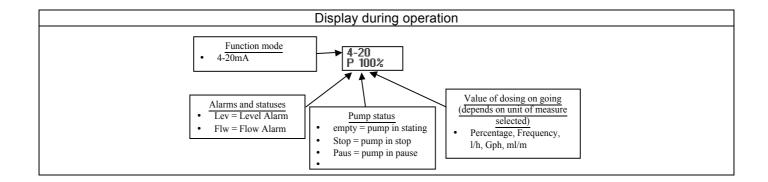
Paragraph 1 - Manual dosage



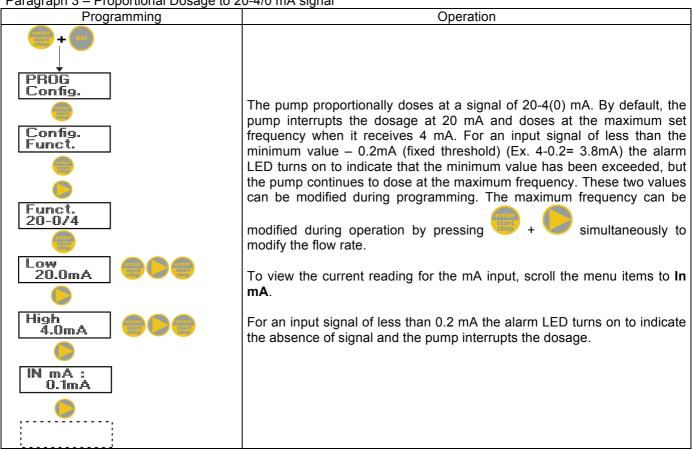


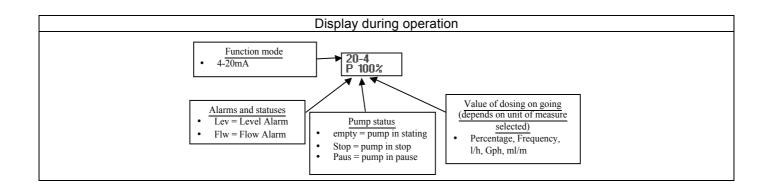
Paragraph 2 – Proportional Dosage to a 0/4-20 mA signal



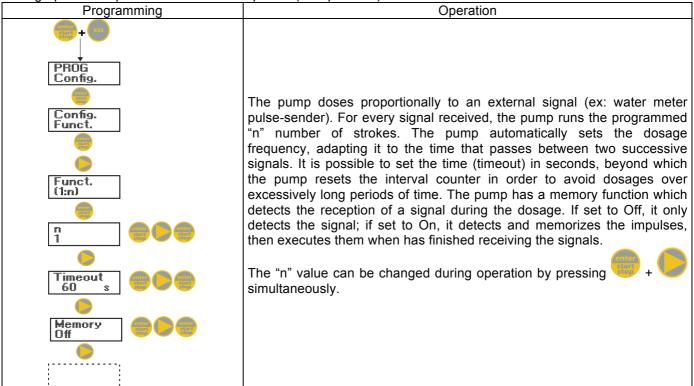


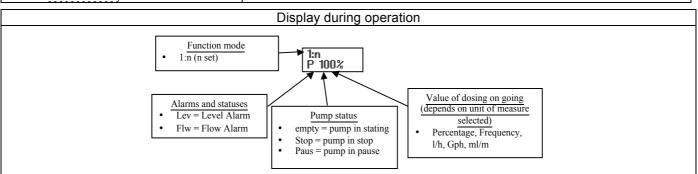
Paragraph 3 – Proportional Dosage to 20-4/0 mA signal



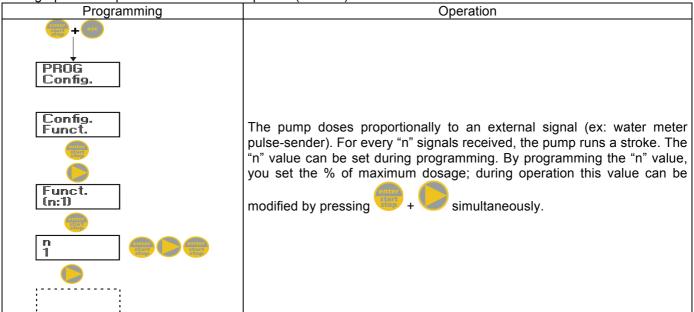


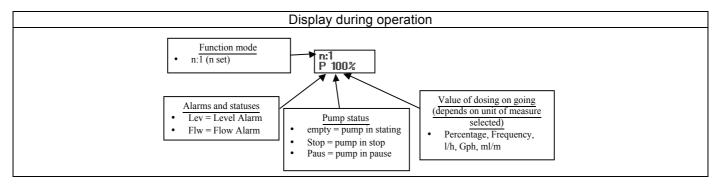
Paragraph 4 – Proportional to External Impulses (multiplication)



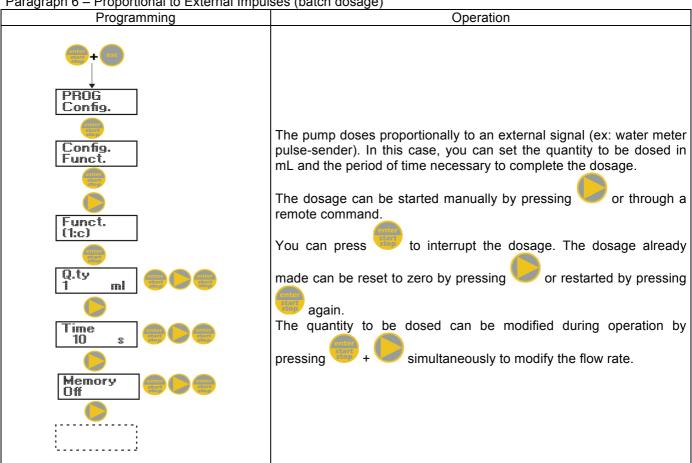


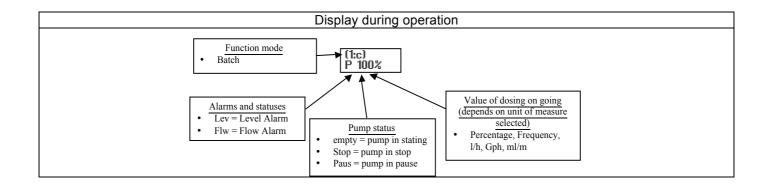
Paragraph 5 – Proportional to External Impulses (division)



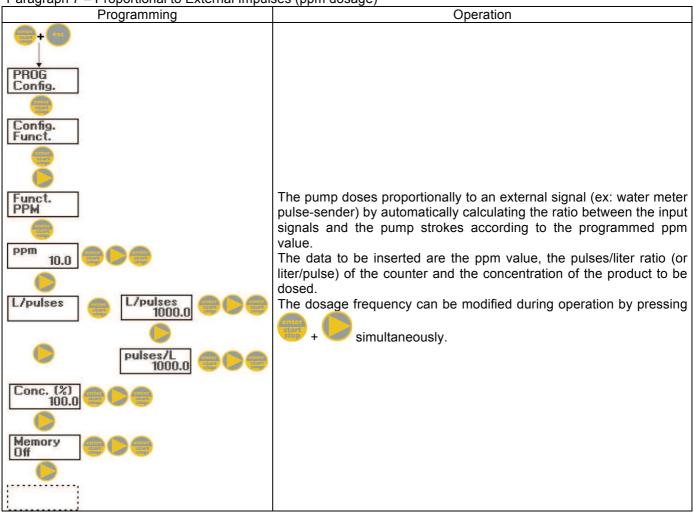


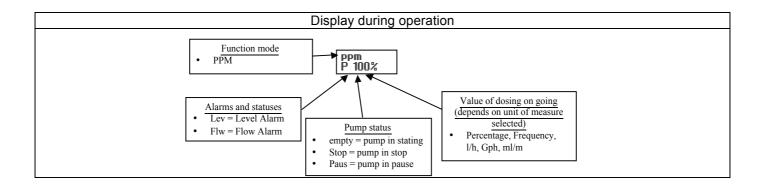
Paragraph 6 – Proportional to External Impulses (batch dosage)



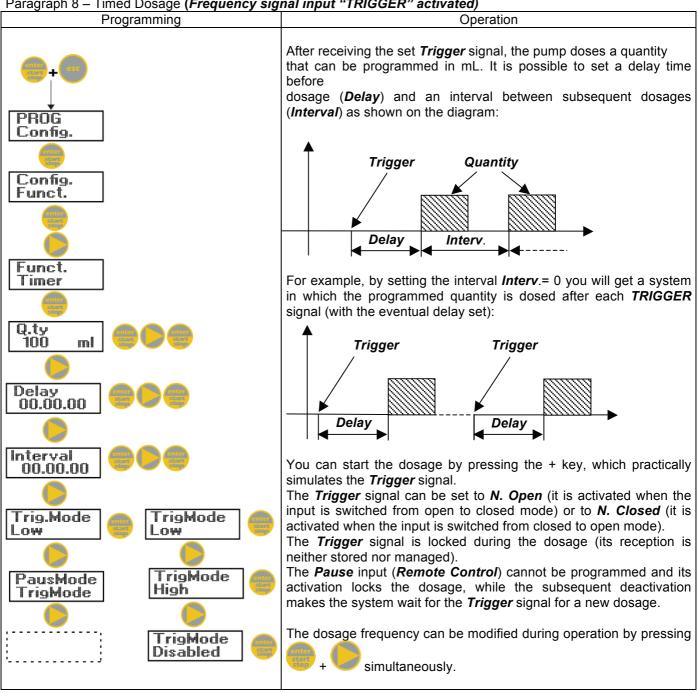


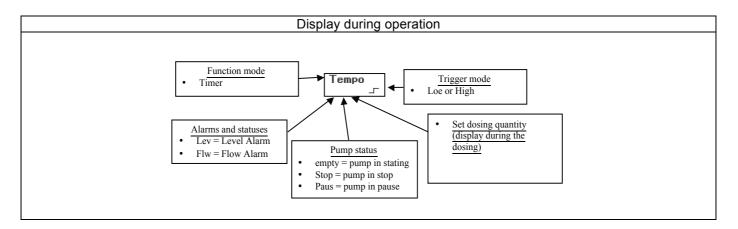
Paragraph 7 – Proportional to External Impulses (ppm dosage)



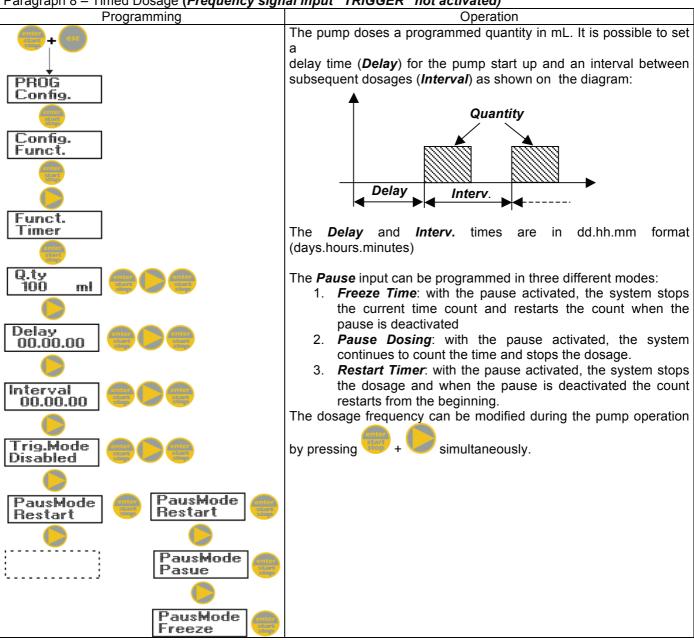


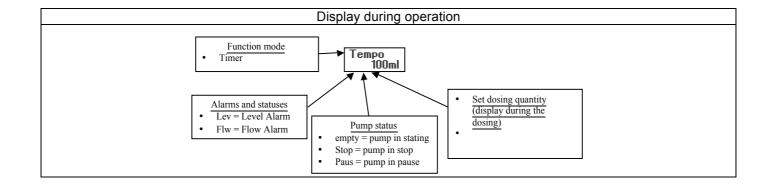
Paragraph 8 - Timed Dosage (Frequency signal input "TRIGGER" activated)



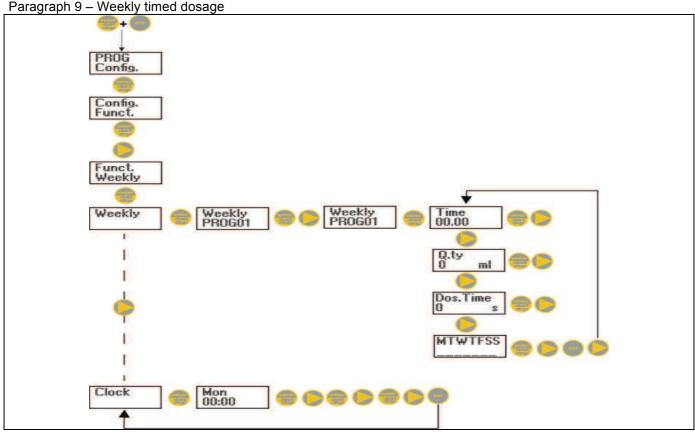


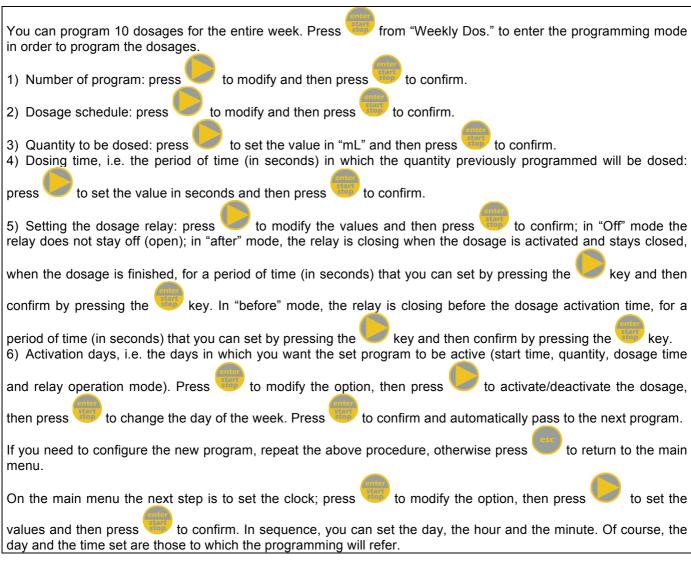
Paragraph 8 – Timed Dosage (Frequency signal input "TRIGGER" not activated)



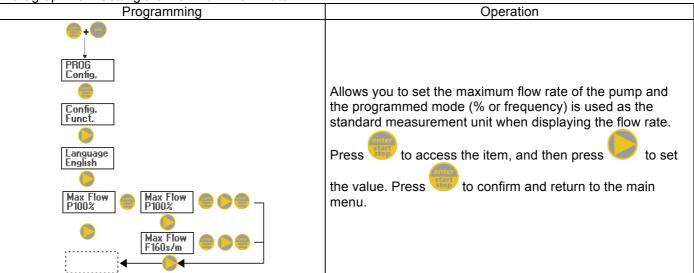


Paragraph 9 – Weekly timed dosage

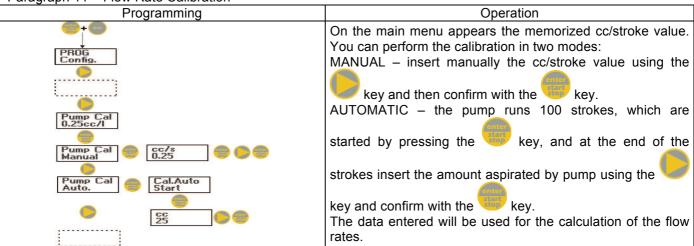




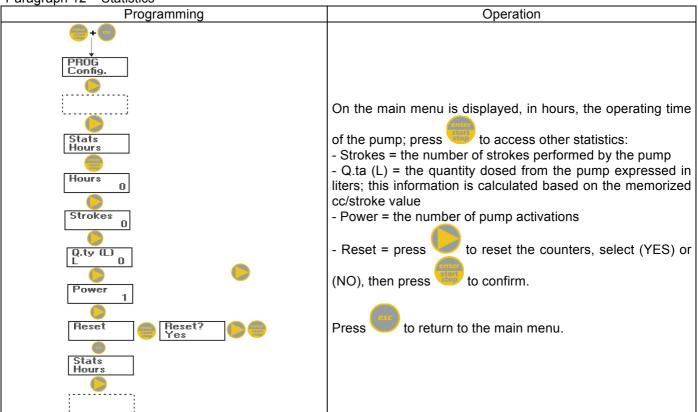
### Paragraph 10 – Setting the Maximum Flow Rate

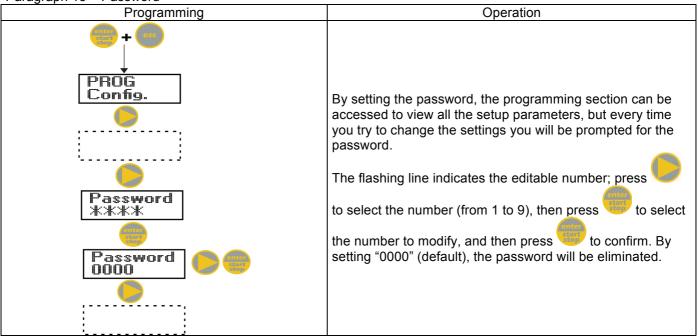


Paragraph 11 - Flow Rate Calibration

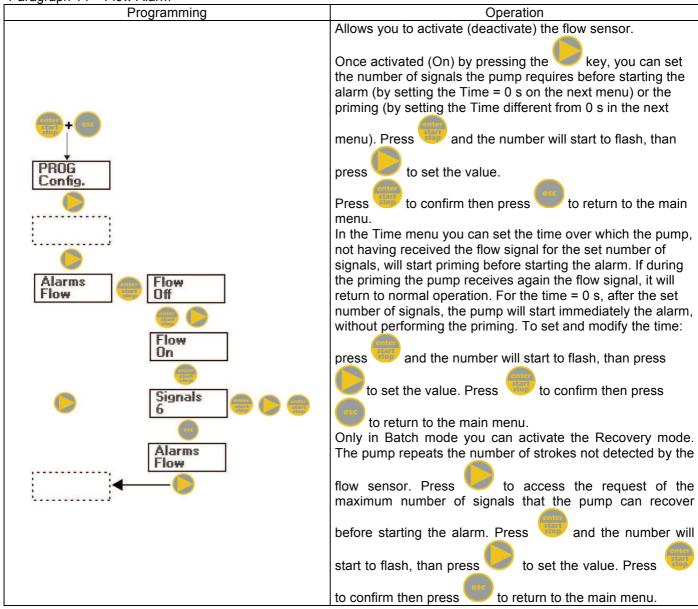


Paragraph 12 - Statistics

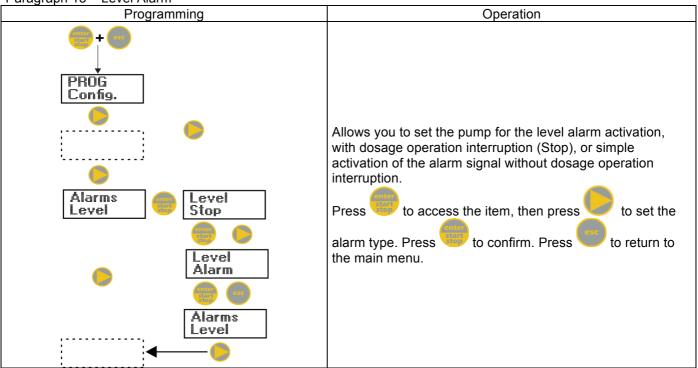




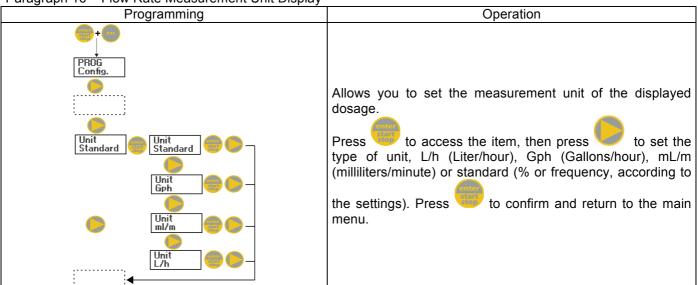
Paragraph 14 – Flow Alarm



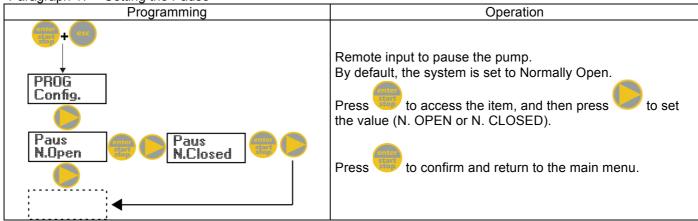
Paragraph 15 - Level Alarm



Paragraph 16 - Flow Rate Measurement Unit Display



Paragraph 17 – Setting the Pause



## **Alarms**

Dislay	Cause	Remedy
Alarm LED on	End level alarm, without pump	Restore the liquid level.
"Lev" icon flashing	operation interruption.	
Alarm LED on	End level alarm, with pump	Restore the liquid level.
"Lev" and "Stop" icons flashing	operation interruption.	
"Mem" icon flashing	The pump receives one or more	onte
	impulses during the dosage with the	Press the key.
	memory function set to Off	
"Mem" icon flashing	The pump receives one or more	When the pump finishes receiving
	impulses during the dosage with the	external impulses, it returns the
	memory function set to On	memorized strokes
Alarm LED on	Flow alarm activated, the pump has	onte
"Flw" icon flashing	not received from the flow sensor	Press the key.
	the programmed number of signals.	
Parameter Error	Internal CPU communication error.	Cnter
		Press the key to restore the
		default parameters.