



PROFESSIONAL SCRUBBING MACHINES

GUIDE TO CONFIGURING THE USER INTERFACE

 **FIMAP®**

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SYMBOLS USED IN THE MANUAL



Information symbol:

Indicates additional information for the operator, to improve the use of the device.



Warning symbol:

Carefully read the sections preceded by this symbol meticulously following the instructions indicated for the safety of the operator and the device.

PURPOSE AND CONTENT OF THE MANUAL

The aim of this manual is to provide customers with all the information needed to program and customise the machine in the safest, most appropriate and most autonomous way possible. The operators and qualified technicians must carefully read the instructions in this manual before carrying out any operations on the machine. If in doubt about the correct interpretation of instructions, contact your nearest Customer Service Centre to obtain the necessary clarifications.

TARGET GROUP

This manual is written both for operators and for qualified machine maintenance technicians. Operators must not perform operations that should be carried out by qualified technicians. The manufacturer is not liable for damages resulting from failure to comply with this veto.

STORING THE USE AND MAINTENANCE MANUAL

The following document must be stored in its special pouch close to the machine, protected from liquids and anything else that could compromise its legibility.

From the work screen, by pressing the "SETTING" button on the operator menu screen, the following screens can be displayed:

- Language
- Hour meter
- Zone programming
- Parameters
- Monitor
- Alarms

i **N.B.:** pressing the "EXIT" key returns you to the previous menu screen.

To access the "Main Menu" screen, proceed as follows:

1. With the machine on, press the menu button (1) on the working screen (**Fig.1**).
2. Press the setting (2) (**Fig.2**).



GENERAL SETUP: LANGUAGE

CHANGING THE DISPLAY LANGUAGE



To change the language of the graphic display interface, proceed as follows:

1. Go to the "Main Menu" screen and select the "Language" option (1), on the left-hand side of the screen.

i **N.B.:** when an option is selected from the list, this is highlighted.

2. As soon as the "LANGUAGE" option is selected, the languages that can be chosen will appear on the right-hand side of the screen.
- 3.

4. Select the desired language, for example, Italian (2), and press the "EXIT" button.

i **N.B.:** The language will be changed the next time the machine is turned on.

GENERAL SETUP: HOUR METER

CHANGING THE PARTIAL HOUR METER DISPLAYED



To change the partial hour meter displayed, proceed as follows:

1. Go to the "Main Menu" screen and select the "Hour Meter" option (1), on the left-hand side of the screen.

i **N.B.:** when an option is selected from the list, this is highlighted.

2. As soon as the "Hour Meter" option (1) is selected, all of the programmed hour meters stored in the machine will be displayed on the right-hand side of the screen.

i **N.B.:** all of the programmed hour meters stored in the machine can be viewed on the right-hand side of the screen:

- Key: hour meter for the machine's starter key.
- Traction: hour meter for the machine's traction motor.
- Brushes: hour meter for the machine's brush motor.
- Vacuum: hour meter for the machine's suction motor.

3. To change the hour meter displayed on the work screen, click on the drop-down menu (2) that can be found in the upper right-hand corner of the screen.

i **N.B.:** when the button (2) is pressed, the pop-up menu for the hour meters will appear at the centre of the screen.

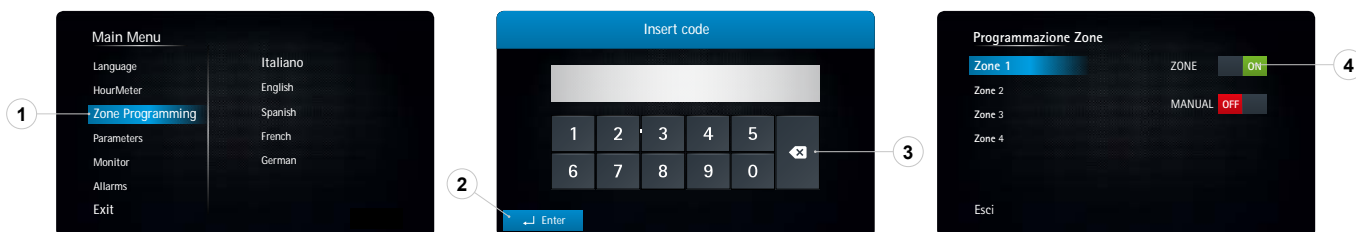
4. Select your preferred hour meter from those available, for example "Traction" (3).

GENERAL SETUP: ZONE PROGRAMMING

ACTIVATION OR DEACTIVATION OF THE WORK ZONES MODE

To activate or deactivate the "PROGRAM ZONE" work mode, proceed as follows:

- Go to the "Main Menu" screen and select the "Zone Programming" option (1), on the left-hand side of the screen.
 - N.B.:** when the button (1) is pressed, the pop-up menu for inserting the password will appear at the centre of the screen.
- Enter the level 4 or level 3 password and press "Enter" (2) to confirm.
 - N.B.:** The default level 4 password is 1000.
 - N.B.:** if you enter one of the password digits incorrectly, simply press the key (3) to delete it.
- When the correct password has been entered, the "Zone Programming" menu will appear.
- To activate or deactivate the "ZONE" work mode, and to view the button dedicated to this mode in the work Main Menu, simply move the "ZONE" indicator (4) on the right-hand side of the display to the right.

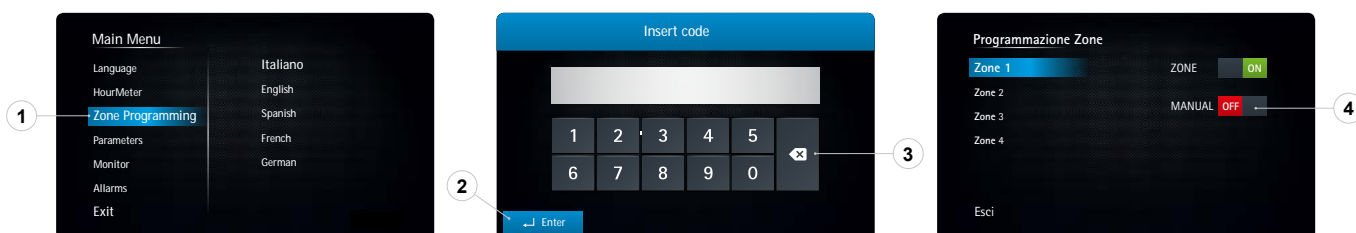


- N.B.:** if the indicator is moved to the right, the mode will be activated and the word "ON" will appear on the indicator (4); if it is moved to the left, the mode will be deactivated and the word "OFF" will appear on the indicator (4).

ACTIVATION OR DEACTIVATION OF THE MANUAL MODE

To activate or deactivate the "MANUAL MODE" work mode, proceed as follows:

- Go to the "Main Menu" screen and select the "Zone Programming" option (1), on the left-hand side of the screen.
 - N.B.:** when the button (1) is pressed, the pop-up menu for inserting the password will appear at the centre of the screen.
- Enter the level 4 or level 3 password and press "Enter" (2) to confirm.
 - N.B.:** The default level 4 password is 1000.
 - N.B.:** if you enter one of the password digits incorrectly, simply press the key (3) to delete it.
- When the correct password has been entered, the "Zone Programming" menu will appear.
- To activate or deactivate the "MANUAL" work mode, in order to be able to manually manage the machine functions during work, simply move the "MANUAL" indicator (4) on the right-hand side of the display to the right.



- N.B.:** if the indicator is moved to the right, the mode will be activated and the word "ON" will appear on the indicator (4); if it is moved to the left, the mode will be deactivated and the word "OFF" will appear on the indicator (4).

CHANGING THE PROGRAM ZONE PARAMETERS

To change the work zone parameters, proceed as follows:

1. Go to the "Main Menu" screen and select the "Zone Programming" option (1), on the left-hand side of the screen.

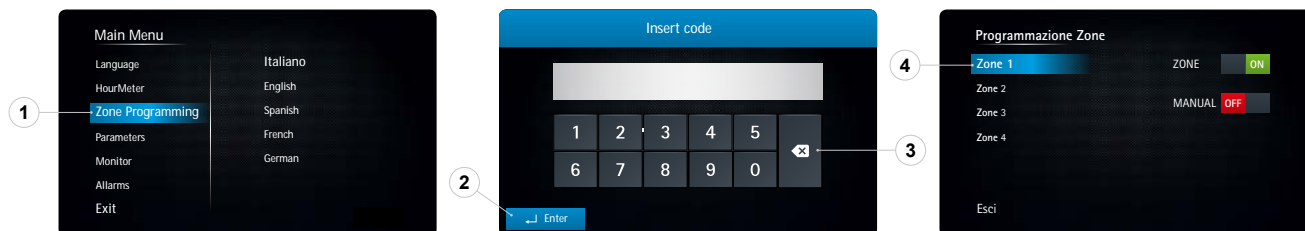
i **N.B.:** when the button (1) is pressed, the pop-up menu for inserting the password will appear at the centre of the screen.

2. Enter the level 4 or level 3 password and press "Enter" (2) to confirm.

i **N.B.:** The default level 4 password is 1000.

i **N.B.:** if you enter one of the password digits incorrectly, simply press the key (3) to delete it.

3. When the correct password has been entered, the "Zone Programming" menu will appear.
4. Select the program that you wish to change by selecting the name (4) on the left-hand side of the screen.



5. As soon as the zone program is selected, the "CHANGE ZONE PROGRAM" menu will appear on the display.
6. When the button (5) on the right-hand side of the screen is pressed, the pop-up for changing the program name appears.

i **N.B.:** as soon as the program name has been changed, press the "Enter" key to save the change made.

i **N.B.:** if you want to go back without changing the name, simply press the "BACK" key.

7. Select the parameter you wish to change from:
 - A. DETERGENT SOLUTION FLOW
 - B. SUCTION MOTOR EFFICIENCY;
 - C. PRESSURE EXERTED ON THE BRUSH HEAD;
 - D. FORWARD SPEED.

i **N.B.:** as soon as one of the parameters is selected, the machine icon will display the group to which this parameter belongs.



8. Change the level using the buttons (6); pressing the "+" button will increase the level, while pressing the "-" button will decrease it.

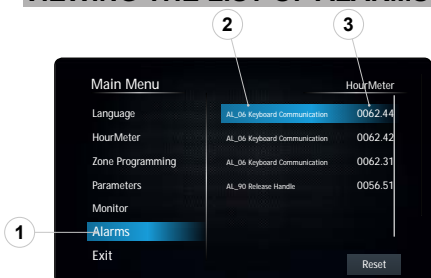
i **N.B.:** each parameter is associated with a horizontal row; this row is composed of rectangles which light up.

i **N.B.:** each parameter can be adjusted to three levels, from a minimum of one to a maximum of three.

9. As soon as the desired changes have been made, press the "SAVE" key (7) to save the changes.
10. To return to the program zone menu, press the "BACK" key.
11. To return to the Main Menu, press the "EXIT" key.

GENERAL SETUP: ALARMS

VIEWING THE LIST OF ALARMS



To view the list of alarms that have been active on the machine, proceed as follows:

1. In the "Main Menu" screen, select the "MONITOR" (3) option, on the left-hand side of the screen.

i **N.B.:** when an option is selected from the list, this is highlighted.

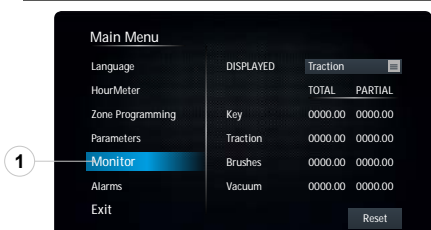
2. As soon as the "ALARMS" option is selected, the machine diagnostics screen will appear on the display.

i **N.B.:** In the second column of the table, there is a description of the alarm; this is composed of a text string that identifies the unit to which the alarm belongs and a text string that describes the type of alarm (2).

i **N.B.:** The third column of the table contains the number of working hours at which the alarm was generated; in the image, this is identified with the term "HOUR METER".

3. To return to the work screen, press the "EXIT" key.

GENERAL SETUP: MONITOR

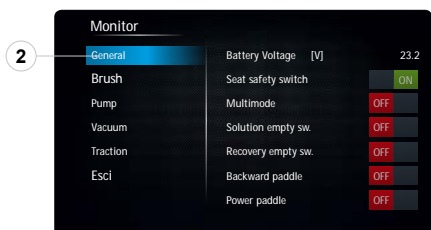


To perform a preliminary machine diagnosis, proceed as follows:

1. In the "Main Menu" screen, select the "MONITOR" (1) option.

i **N.B.:** when an option is selected from the list, this is highlighted.

2. As soon as the "MONITOR" option is selected, the machine diagnostics screen will appear on the display.
3. Select which machine function (2) you want to perform the diagnosis on, choosing one of the options displayed on the left-hand side of the screen.



i **N.B.:** the machine functions are divided as follows:

- General
- Brush
- Pump
- Vacuum
- Traction

4. As soon as one of the functions is selected, the information relating to the devices for this function appears on the right of the screen.

The table below provides a list of the variables that can be viewed:

UNIT	VARIABLE	UM	DESCRIPTION
General	Battery voltage	V	Battery voltage
General	Seat safety switch		Seat microswitch
General	Multimode		Multimode microswitch
General	Solution emptyswitch		Solution tank empty float
General	Recoveryemptyswitch		Recovery tank empty float
General	Backward paddle		Reverse paddle
General	Power paddle		Power paddle
Brush	CurrentBrush 2	A	Brush head brush 1 current
Brush	CurrentBrush 1	A	Brush head brush 2 current
Brush	Actuator Base		Brush head actuator
Brush	HeatsinkTemp.	°C	Functions stage temperature
Pump	Flow rate	%	Water flow rate percentage
Pump	ELV base		Brush head solenoid valve

UNIT	VARIABLE	UM	DESCRIPTION
Pump	ELV recycle		Recycle solenoid valve
Vacuum	Current	A	Vacuum cleaner current
Vacuum	Voltage	V	Vacuum cleaner voltage
Vacuum	Actuator		Squeegee actuator
Vacuum	HeatsinkTemp.	°C	Functions stage temperature
Traction	Speed	Km/h	Machine speed
Traction	Voltage	V	Traction motor voltage
Traction	Current	A	Traction motor current
Traction	Overloadlevel	%	Current limit status
Traction	HeatsinkTemp.	°C	Traction stage temperature
Traction	Pedalref.	V	Drive pedal reference voltage
Traction	Pedal En.		Pedal pressed

5. To return to the program zone menu, press the "BACK" key.
6. To return to the Main Menu, press the "EXIT" key.
7. To return to the work screen, press the "EXIT" key.



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