



ELVIOMEX ALFA

Alfa 1510 USER'S MANUAL

Περιεχόμενα

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SAFETY & WARRANTY

Inspection upon receipt

Upon arrival of the package check if there is any visible damage or indications of rough handling that may be caused during transportation. In case that you spot any damages or you have doubts that the package was abused during transportation, please abort the installation and contact your supplier as soon as possible. Every washing machine before departure from our premises is tested in order to ensure its proper function and it is accompanied by the corresponding test report.

Safety

This machine should be used only for the purpose that is intended, according to the operation instructions described herein. It is not allowed to modify it in any way. In case that this machine is either used not in compliance with the operation instructions or after technical modifications, the manufacturer is not responsible for its good operation or possible accidents.



CAUTION: The washing water is not potable!

Prior to the installation of the machine, please advise the label with its technical specifications (it is mounted on the side of the machine) and check carefully if it is compatible with the power supply network of your area. In any case that there is deviation, please abort the installation procedure.

If the washing machine's door is left accidentally open, a safety switch interrupts the washing procedure. In case of overload or overheating of the pump, there is also a safety switch that interrupts the power supply to the machine. That switch could be activated by the user as soon as the problem is remedied.

The installation of this ware washing machine, as well as its maintenance, should be performed by licensed technician according to the local regulations of your area and the herein described instructions.

LEGAL PROVISIONS / REQUIREMENTS

Compliance with E.U. Regulations

This equipment complies with the requirements of Directives 2006/95/EU "on Low Voltage" (LVD) and 2004/108/EU "on Electromagnetic Compatibility" (EMC) and carries the



You can obtain a copy of the declaration of conformity from your supplier. This product complies with the requirements of Directive 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of hazardous substances in electrical and electronic equipment and carries the following mark.



Waste disposal

According to the Directive 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (AHHE), the products and their parts covered by this directive should not be disposed of with regular garbage but be returned to the point of sale or be transferred to a recycling center for electrical and electronic appliances.

For further information address to the local authorities

INSTALLATION

Preliminary checks

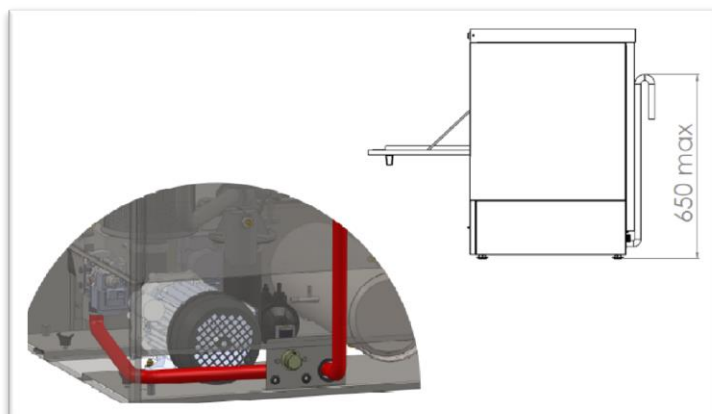
- The installation should be performed by licensed technician according to the instructions of this manual and the legal regulations of your area.
- Be sure that the machine was not damaged during handling.
- Check carefully that the technical details of this ware washing machine (written on the nameplate) are compatible with your network's power supply.
- Prior using the washing machine for first time, clean it thoroughly with a conventional detergent.

Connection with water supply

- Place the washing machine in the desirable place in sufficiently stable horizontal ground.
- Be sure that the power supply is not connected.
- The water inlet and water outlet hoses that are required for the installation are included in the package. Before connection you should rinse them.
- The water inlet hose should have a diameter of at least 16 mm and the connection with the pipe $\frac{3}{4}$ ".
- The minimum water supply pressure should be 2 bar and the maximum 5 bar.
- In the water supply hose there should be installed a non-returning valve according to DIN 1988

Connection with the drainage

- Connect the drainage of the washing machine with your network's drainage as shown in the next figure.





Special care should be given so that the highest point of the flexible drainage hose is placed lower than 650 mm. Otherwise, reverse flow of the water could occur.

Connection with the power supply

This machine works under specific power supply and voltage that are explicitly mentioned in the nameplate of the product. Prior installation please kindly check it.

The installation procedure should be performed by licensed technician.

OPERATION

This washing machine is intended only for cleaning dishes, plates, forks, knives etc. Be careful in order to wash items suitable for dishwashing. Solid food residuals should be removed from the items before washing them in the machine. For better results you could soak the items for some time, especially if there is elapsed enough time after usage. Do not use this machine for washing items that were in service / contact with acids, mineral oil, grease, gasoline or colors.

Preparation

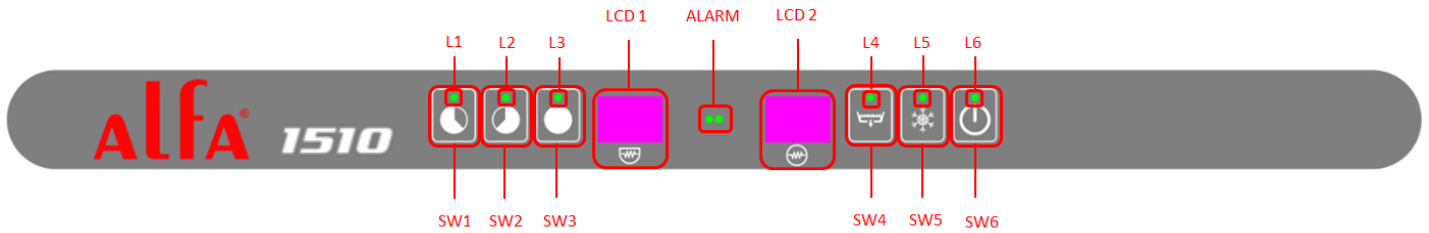
Fill the baskets placing the glasses and cups with the opening facing down in the locations of the basket that have the correct molding.

Plates should be stacked vertically in appropriate baskets without touching each other.

In any case avoid the overloading of the baskets.



Control Panel





BUTTON	NAME	DESCRIPTION	NOTES
SW1	CT1	Short Cycle Button	Duration 1 min
SW2	CT2	Medium Cycle Button	Duration 2 min
SW3	CT3	Long Cycle Button	Duration 3 min
SW4	DB	Drain Pump Button	
SW5	CRB	Cold Rinse Button	
SW6	ON	ON/OFF Switch	
LED TABLE			COLOR
L1	LED of short cycle selection		
L2	LED of medium cycle selection		
L3	LED of long cycle selection		
L4	Drain in Progress		
L5	Cold Rinse Selected		
L6	LED of ON/OFF Switch		

Starting the machine

In order to start the machine, press the Button SW6 (ON) for 3 sec. The LED L6 flashes red and a buzzer sounds.

Procedures before washing

Since the washing machine is switched on, the boiler and the wash tank start filling with water. Next, the machine gets filled with detergent and rinse aid. During these, a "FILL" message appears on the Dash. After the tanks are filled with water and the necessary detergent and rinse aid liquids are captured, the boiler's heating resistance and the wash tank's heating resistance start working sequentially (after reaching boiler's temperature of operation, its resistance shuts down and the wash tank starts heating). On the LCD1 & LCD2 screens the current temperature of each tank is displayed alternately (when LCD 1 shows "bt" then LCD 2 displays boiler's temperature; when LCD 1 shows "tt", then LCD 2 displays tank temperature). In case that the wash tank's heating resistance is ON, a dot in the right lower corner of LCD1 is lit, while in case that the boiler's heating resistance is ON a dot in the right lower corner of LCD2 is lit. For that reason, symbol  (representing the tank) is shown beneath of LCD1 & symbol  (representing the boiler) is shown beneath of LCD2.

Standby

During Standby operation (after the automatic set up procedures), LCD 1 & LCD 2 should display the temperature of the wash tank & boiler tank alternately.

LCD1	LCD2
bt or tt (alternating)	--°C

If the machine stays on Standby mode for more than 30 min, then it turns into sleeping mode for minimizing power consumption. When this occurs, LCD 1 & LCD 2 turn off and L6 is flashing. By pushing SW6, the machine is again ready for operation.

Thermo-Protector

In order to start the first washing cycle of the day, both temperatures in the tank and the boiler must reach operational values (60 °C & 85 °C respectively). In all the other cycles, due to **Thermo-Protector** system, **if the temperature in the boiler is not appropriate for rinsing, the washing cycle continues until the rinse water becomes sufficiently heated**. A message on the screen informs the user that the washing cycle continues; LCD1 shows the current value of the water temperature in the boiler and LCD2 shows "ht" (i.e. heating).

Washing Cycle Selection - Start

This washing machine has three washing cycle program options. The user could choose between short, medium and long program by pushing one of the buttons SW1, SW2 or SW3 accordingly. **After pushing the corresponding button and lowering the hood, the washing cycle starts automatically. In case that the user opens the door during the washing cycle, then the procedure automatically stops.** In the latter case a message "door" is shown in the Dash and the washing starts again as soon as the door is closed. The remaining time (in seconds) is displayed on the Dash.



Important note: In case that the **door is open** accidentally before program is finished, the **washing stops** and the timer resets. Therefore, in order to finish the cycle, you should start the procedure from the beginning.



Important note: 10 sec before finishing main wash the draining pump starts working and it stops 10 sec after rinse cycle.

After completion of the washing cycle, a message "end" on the dash informs the user that the program is finished. The message appears until the door is opened again.

Draining

This machine has draining pump, so that the draining cycle is performed automatically. If you want to perform draining on demand, please remove the overflow hose that is placed on the wash tank and press the Button SW4. **After 15 sec the draining starts** and LED L4 flashes.

During draining, an internal check of the system is performed, ensuring that the heating resistances are switched off. In that sense, any possible overheating caused by heating re-

sistances not immersed in water is avoided. As soon as draining stops, for the next 30 sec the system performs self-cleaning (door must be closed).



Kindly note that after every On-Demand draining execution, the machine shuts down.

Filling of Detergent and Rinse Aid

This machine is equipped with peristaltic pumps for the rinse aid and the detergent filling. The filling inlets for each one are the two corresponding hoses which should be immersed in the appropriate tanks.

The filling procedure is performed in two stages. The initial filling (when you turn the machine on) and additional re-fillings after each washing cycle:

1st Stage: During automatic preparation (before the first wash) the machine receives from the tank soap for 180 sec and rinse aid for 35 sec. This could be adjusted from the user through the User Menu *Check Section "User Menu".

2nd Stage: During every complete washing & rinsing cycle, the machine receives detergent for 13 sec and rinse aid for 12 sec. This could be adjusted from the user through the User Menu *Check Section "User Menu"

NOTE: In case that you need to adjust the Detergent or Rinse Aid from the User Menu, please bear in mind that for each second the corresponding pump captures the following liquid quantities:

Detergent pump: 0.83 ml/sec

Rinse Aid pump: 0.19 ml/sec

By multiplying these quantities with the time duration (seconds) that the pump works, you can calculate the volume of each liquid that it is used.



Warning: The machine receives rinse aid during washing cycle and detergent during rinsing cycle.

Cold Water Rinse

This machine has Cold Water Rinse operation. It could be activated in order to be performed after every washing cycle or for On Demand occasions.

In order to perform a Cold Water Rinse after one washing cycle, press Button SW5 for 1 sec. A single sound buzz will inform you that the machine is set up for a single cold rinse performance. Then, LED L5 will be on, while the procedure is performed.

In case that you wish to perform Cold Water Rinse after each washing cycle, press hold Button SW5 for 5 sec while the machine is on Standby mode. A double sound buzz will inform you that the machine is set up for a cold rinse performance after every washing cycle (LED L5 will lit). Should you undo the selection, please repeat the above procedure.

Shutting down the machine

In case that you want to shut down the machine, remove the overflow hose in the wash tank and press the Button SW4. The machine is going to drain automatically the used water, perform a self-cleaning cycle and then shut down. An alternative way is to press continuously the Button SW6 until the indication "OFF" appears in the first line of the screen (it will take about 5 sec). The recommended way is the first.

ECO Function

In case that the machine is in Standby operation for more than 15 minutes, the Boiler's temperature lowers in order to avoid unnecessary power consumption. During these intervals, if the door of the washing machine opens, the ECO Function stops.

Soft Start Function

This machine is equipped with Soft Start System that enables the water pump to start with lower pressure and gradually increases it, so that the sensitive crystals are not damaged.

User's Menu

In order to enter the User's Menu, shut down the machine and press hold Buttons SW1, SW3 & SW6 at the same time for 3 sec with the door closed. LED L6 flashes and a beeper sounds three times. Message "conf" appears for a few seconds and the User's Menu is activated.

Find the parameter that you wish to adjust using Buttons SW3 and SW4 for navigation inside the menu. The corresponding parameter will be displayed on the screen.

Should you wish to increase the amount (+), press Button SW1

Should you wish to decrease the amount (-), press Button SW2

After defining the value, press Button SW5 once in order to register the value in the memory.

In the matrix that is presented below you can find a short description of the functions that can be adjusted by the user, as well as their default values.

No	Parameter	Range	Default	Indication
1	TEMPERATURE MODE	C/F	C	C
2	BOILER TEMPERATURE	30-92 C	85 C	bt
3	TANK TEMPERATURE	30-70 C	60 C	tt
4	DETERGENT TIME AT FILLING	100 – 300 SEC	180 SEC	dF
5	DETERGENT TIME AT CYCLE	0 – 30 SEC	13 SEC	dc
6	RINSE AID TIME AT FILLING	0 – 90 SEC	35 SEC	rF
7	RINSE AID TIME AT CYCLE	0 – 30 SEC	12 SEC	rC
8	COLD RINSE	0 (NO) – 1(YES)	1	Cr
9	DRAINING DURATION	20 -60 SEC	25	Cd

In order to exit the User's Menu, press-hold Button SW6 for 3 sec. The beeper sounds three times and message "off" appears on the screen.



After closing the User's Menu, the machine is shut down.

Maintenance and Repair

After 50.000 washing cycles, a Service reminding message will be displayed in the screen. Regular maintenance, performed by licensed technician using original spare parts is essential for proper function of the machine.

Alarm Indications

If the system records any malfunction, then a warning message will be displayed on the screen. If such a condition occurs, please advise the following table which describes the problem shortly. Should you need further assistance, don't hesitate to contact your local reseller.

ALARM	PROBLEM DESCRIPTION
Alarm 1	Filling time excession
Alarm 2	The water level during draining is not reduced
Alarm 3	Excess time of boiler heating
Alarm 4	Excess time of tank heating
Alarm 5	Water temperature in the boiler is above limits
Alarm 6	Water temperature in the wash tank is above limits
Alarm 7	
Alarm 8	Tank's thermometer is not connected
Alarm 9	Tank's thermometer is damaged
Alarm 10	Boiler's thermometer is not connected
Alarm 11	Boiler's thermometer is damaged
Alarm 12	The washing cycle is terminated, but the boiler was not heated properly (excess heating time in Thermo-protector function)

TROUBLESHOOTING

PROBLEM	CAUSE	REMEDY
The dishwasher does not operate properly	Connection interruption	Check the connection
	You have not turned the switch of the appliance ON	Turn the switch ON
	Main switch / or fuse has not been activated / or it is faulty	Check the main switch / or fuse
	The switch of the appliance is faulty	Refer to the authorized local dealer who sold the appliance or directly to the manufacturer
	The water inlet valve is faulty	
	The door is not closed	Close the door
	You have not turned the water supply on	Turn the supply on
The appliance operates, but the switch LED does not light on	The LED is faulty	Change the LED
Boiler heating does not operate	Switch or main switch or fuse has not been activated	Check the switch of the appliance and the main switch or fuse
	The safety thermostat of the boiler is faulty	Refer to the authorized local dealer or the manufacturer
	The 93°C thermal fuse of the boiler is faulty	
	Pressure regulator is faulty	Refer to the authorized local dealer or the manufacturer
	"Boiler heating" relay is faulty	
Boiler fuse is burned out	Refer to the authorized local dealer or the manufacturer	
Boiler heating operates, but LED does not turn on	Faulty LED	Change LED
Dispenser heating does not operate	Switch N1 of the appliance or main switch or fuse has not been activated	Activate the corresponding switch or fuse
	Boiler heating is open	Wait
The 85 °C thermal fuse is faulty. The dispenser's fuse is burned out	The thermostat switch of 60°C heating is faulty	Refer to the authorized local dealer or the manufacturer
	"Compartment heating" relay is faulty	
Dispenser's heating operates, but LED does not turn on	Faulty LED	Change LED
Pump motor does not operate	Main switch or fuse is not activated. The door is not closed.	Activate the main switch or fuse Close the door
	Main relay is faulty	Refer to the authorized local dealer or the manufacturer
	Pump motor is faulty	
	Program selection switch is faulty	

Motor operates, but pump does not rotate	An object has jammed the pump fin	Refer to the authorized local dealer or the manufacturer
	Salts or detergent have been petrified following non-operation of the appliance	Rotate the screw on the backside of the motor, until it rotates freely
Items do not dry (dishes, glasses, etc.)	Compartment has no drying aid	Insert drying aid to the compartment
	Drying valve is faulty	Refer to the authorized local dealer or the manufacturer
	Program switch is faulty	
	Rinsing arms do not rotate	
Basket does not rotate		