



User manual

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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 used either 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.



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.

Filling of Detergent and Rinse Aid

If the washing machine is equipped with detergent pump, then you should immerse the corresponding hose in the detergent storage compartment. In each washing cycle, the machine captures automatically the needed dosage. In case that the machine does not have detergent pump, then as soon as the recommended temperature is accomplished (light indicator off), you should fill manually the detergent directly into the dispenser.

The dishwashers have an automatic rinse aid dozer. Immerse the "RINSE AID" hose in the rinse aid storage compartment. The dozer is adjusted from the manufacturer's premises at its maximum value and may be adjusted accordingly - depending on water hardness, how dirty the dishes are, and the detergent used - following the successful installation of the dishwasher.

Turning the adjustment screw clockwise, the flow is reduced (-), turning it counter-clockwise the flow is increased (+). We recommend that you let the constructor to adjust it (or the specialized personnel of the authorized local dealer who sold the appliance). Before you perform these works, you should turn off the switch of the appliance or turn off the corresponding switches so that no current flows, or turn off the power supply switch.

INDICATION: The dozer should not operate while dry, since it will loosen its suction properties. It is necessary that you have filled the storage compartment before the appliance's installation, so that the dozer operates correctly during the first wash.

Do not use caustic products. If you do not follow this indication, you will not be covered by the guarantee.

Starting the machine



- Check that the suction filter, in the tank, has been placed in the correct position.
- Check that the overflow hose is inserted correctly in its inlet.
- Check that the overflow filter is mounted in the correct position.
- Close the door.
- Press ON/OFF Switch to turn on the machine.
- The dishwasher is automatically filled with water up to the set water level.
- The Indicator WARMING lights on, showing us that the heating process has started.
- When the water in the boiler and tank is heated, the LED WARMING lights off and.
- The dishwasher is ready for wash.
- The above mentioned warming up procedures will take approximately ~25 minutes at the beginning of each day.
- Open the door. Insert the basket with the items (dishes, glasses, etc.). Before inserting the basket with the items, be sure that all food residues have been removed.
- Add the liquid detergent manually in the dispenser, unless the dishwasher has a detergent pump. Check the level of the rinse aid and detergent storage compartment.
- In order for the washing program to start, push the START Button.
- The LED PROGRAM lights on
- The washing program, lasting 2 mim. When the LED PROGRAM lights off the washing cycle is finished, open the door and lift out the basket.



Important note: In case that the **door is open** accidentally before program is finished, the **washing stops**. As soon as the door is closed again, the rest of the washing program continues.

Draining

In order to drain the machine you should first of all turn off the power (Power Button).

- In case that the machine does not have draining pump, the draining is performed by removing the overflow hose that is placed in the wash tank. Then, the water will outflow through gravity force.
- In case that the machine is equipped with draining pump, then by pushing the Power Button (with the door closed) the 2 minutes draining program is performed.

Next, remove the filter and clean it carefully with fresh water. Rinse the wash tank for removing any dirt / food residuals. Finally, reassembly the parts in reverse order. **The machine should never operate without filter.**

It is advised when the machine is not working to leave it with the door half opened or full opened, in order to avoid the presence of bad smells.

Shutting down the machine

In case that you want to shut down the machine, press the Power Switch Button. It is recommended to clean the machine on a daily basis in order to ensure better performance and trouble free operation.

MAINTENANCE

DAILY MAINTENANCE OPERATION

- Turn off the power supply.
- Remove the overflow standpipe in order to empty the wash tank.
- Clean the washing compartment to remove the dirt residues.
- Remove and clean the pump filter.
- Place again the pump filter properly in its position.
- Place the overflow standpipe in position.



Warning: Before performing daily maintenance cleaning **the Power Supply should be turned off**. The appliance should never be sprayed with water in the electrical elements or cleaned using high pressure cleaning machine, because there is high potential of electrical shock.

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	

SPARE PARTS LIST

In case that you need to order spare parts, please advise the following drawings for specifying the parts that you need. **When ordering**, please mention the **model** of the washing machine, the **part number of the item** that you need **and** the **requested quantity** for each.

