

UNDERCOUNTER TYPE DISHWASHER

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UNDERCOUNTER TYPE DISHWASHER

A GENERAL INFORMATION

Before installing the appliance, read operation and maintenance instructions carefully. Wrong installation and part changing may damage the product or may cause injury on people. These are not in our company's responsibility to damage the appliance intentionally, negligence, detriments because of disobeying instructions and regulations, wrong connections. Unauthorized intervention to appliance invalidates the warranty.

1. This instruction manual should be kept in a safe place for future reference.
- 2. Installation should be made in accordance with ordinances and security rules of that country by a qualified service personnel.**
3. This appliance has to be used by trained person.
4. Please turn off the appliance immediately in the event of malfunction or failure. The appliance should be repaired only by authorized service personnel. Please demand original spare part.

UNDERCOUNTER TYPE DISHWASHER

A1 PRODUCT DESCRIPTION and TECHNICAL INFORMATION

Elegant and stylish design control panel designed for the management of dishwashers . Provides ease of use with high-precision touch buttons. It combines technology with warning lights, audible warning system and high resolution display. User safety is at the forefront with safety sensor can be connected to a control panel. Flexible, shock-resistant, waterproof panel makes cleaning easier and increased service life. Variable working voltage can be operated all over the world without the need for additional equipment. Firm-oriented designs can be made with interchangeable visual design.

STANDARD TECHNICAL SPECIFICATIONS

- 2,4 inch, 320x240px resolution, 16 million color TFT display
- 4 buttons with LED lighting
- 3 mutual input relay outputs (Max: 220VAC-30A)
- 220VAC output with 2 current protected (Max: 30A)
- 2 pcs 220VAC output (Max: 30A)
- 2 dry contact digital inputs
- 2 pcs NTC input
- 85-305VAC operating voltage
- Audible warning system
- Shock resistant, waterproof, gasket protected front panel
- Specific design for customer
- Plastic box

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A3 TRANSPORTATION

*This appliance can not be moved by hand from area to area.It must be moved on pallet with forklift truck.

A4 UNPACKING

*Please unpack the package according to the security codes and ordinances of current country and get rid from the pack.Parts which contacts with food are produced by stainless steel.All plastic parts are marked by material's symbol.

*Please check that all the parts of appliance had come completely and if they are damaged or not during the shippin.

B INSTALLATION

*Please place the product to straight and sturdy ground,please take necessary steps against possibility of overturn.

*Technician who will serve for installation and service for the appliance must be professional on this subject and must have installation and service licenses by the company.

*Connection to Electric Power Supply must be done by authorized person.

*Please be sure that the voltage connected to appliance must be equal with the voltage which is on appliance's label.












This appliance must be connected to an earthed outlet in accordance with safety rules and standards.

*Appliance's earthing must be connected to earthing line on panel which is nearest to electric installation.

*Connection to the main fuse and leak current fuse must be done in accordance with the current regulations.

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C SAFETY INSTRUCTIONS

-  *Do not use the appliance in insufficient lighted place.
-  *Do not touch the moving attachments while the appliance operates.
-  *Do not install the appliance in the presence of flammable or explosive materials.
-  *Do not operate the appliance when the machine is empty.
-  *Do not load so less or more than appliance's capacity.
-  *Do not attempt to use the appliance without suitable protective equipments.
-  *Because of any reason if there is a fire or flame flare where the appliance is used, turn off all gas valves and electric contactor switch quickly and use fire extinguisher. Never use water to extinguish the fire.
-  *All the damages because of not having earthing connection will not be on warranty.
-  *Do not wash the decorated dishes. Prevent silver wares to contact with the other metals.





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- Before starting to use the device, it is essential to read the operating instructions and follow the instructions and warnings while you are using the device. Otherwise the responsibility for accidents and damages that may occur belongs to the buyer.
- Installation and connection of the device must be done by experienced technicians according to the diagram. Otherwise the responsibility belongs to the buyer.
- The ambient temperature of the device must be between 0 and 50 °C.
- Before giving the energy to the device, the supply voltage must be checked for suitability.
- Necessary precautions should be taken to prevent the liquid flow into the device and entering of metal parts. Otherwise accidents such as fire and electric shock may occur.
- In case of any malfunction, do not remove the cover of the appliance. If the fault persists, notify the service in writing with the description.
- In case of deterioration of the device when attached to the machine, the necessary electrical and mechanical precaution must be taken to prevent accidents and damage.
- Never remove the warranty label. Otherwise, your device will be out of warranty. Repair of the device must be done by authorized service.
- Cables that transmit the sensor and input signals to the device should be transported as far away as possible and prevented being affected from inductive load cables operating in the supply, control, switched mode .
- Shielded cables must be selected for cables carrying sensor and input signals to the device and the shield of the cable must be connected to the ground.
- If multiple electronic devices are used, a separate supply line must be drawn for each device. Where electrical noise is high, isolation transformer and line filter should be used on the supply line.
- The control circuit must not be connected to the device supply line.
- Clean the front panel of the device with a soft, damp cloth. Do not use thinner etc.
- Avoid using high-torque screwdrivers during installation of the device.

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D OPERATION










	ON/OFF: While the device is energized, the on / off button is pressed and the device is switched on or off.
	START-STOP: The washing process starts or stops by touching the start / stop button while the device is switched on. If the start-stop button is held down for a long time, you can switch between automatic and manual position.
	KEYLOCK: The key lock is activated or disabled by holding down the button. When the key lock is activated, the button lighting comes on and all keys are locked against operation. Key lock is active when the device is first energized.
	PROGRAM: Allows switching between programs. Washing programs, evacuation process or machine internal washing process are selected by touching the program key

TOUCHSCREEN WARNINGS












- When the machine is energized, you should not be touched any buttons until the On / Off button lights up.
- The types of touches are given below.



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	Automatic washing mode enabled
	Manual washing mode enabled
	Cover open
	Cover closed
	The machine is in standby
	Washing is in progress
	Rinsing is in progress.

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	The washing process is over.
	60 sec. wash program selected
	90 sec. wash program selected
	120 sec. wash program selected
	Evacuation program selected
	Machine internal washing program
	Machine internal washing is required
	The water level is missing. During this process, does water intake automatically.
	Automatic washing mode is enabled. When the cover is closed, the machine starts the washing process.
	Manual wash mode enabled. The washing process starts after the start-stop button is pressed.
	Washing process completion indicator.

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E CLEANING & MAINTENANCE

➤ **CLEANING AND MAINTENANCE AFTER EVERY USE**

- Always turn off the appliance and disconnect from the power supply before cleaning.
- Evacuate the water by taking off the stopple and switching to evacuation position after every use.
- Clean all surfaces of the appliance with hot soapy water after every use. Rinse and dry with a wet cloth.
- Clean the control panel with soft moisty cloth, if necessary use ineffective detergent.
- Do not use abrasive cleaning chemicals as these can leave harmful residues.
- Do not clean the appliance by spraying water directly, otherwise electric motor may get damaged.

➤ **PERIODIC CLEANING AND MAINTENANCE**

- Maintenance should be done by qualified person.
- For the efficiency of the product, it is significant to keep the service supported annual maintenance of the boiler.
- According to the scale ratio of your location, it is advised to keep the weekly/monthly maintenance to clean the washing tank and interior surfaces, water hoses, trunks and sprinklers.
- Please clean the washing nozzles weekly by disassembling.
- Please clean the drainage pump and the engine sorption filter weekly.
- Utilisation of anti-scale during the cleaning of the apparatus.
 - After the entrance of the clean water into the machine, please wait for the heating time.
 - Pour 100 milliliters of anti-scale in the boiler.
 - Run the empty machine for 3-4 times.
 - Drain the water.

- **Do not leave the anti-scale substance within the boiler for a long period of time. Otherwise, it might damage the internal parts.**

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F TROUBLESHOOTING

THE APPLIANCE DOESN'T WASH WELL	<ol style="list-style-type: none">1. Clean the absorbing filter if it is dirty.2. Check the washing nozzles if they are accumulated with residues or not.3. Check the amount of detergent.4. If chosen washing program is too less,repeat the program.5. Check if the plates are placed to the baskets correctly.
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CUPS AND PLATES ARE NOT DRIED WELL	<ol style="list-style-type: none">1. If there is polisher or not,if not add some.2. Check the amount of polisher.
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MIST OVER ON CUPS	<ol style="list-style-type: none">1. After washing process ,take off the cups from baskets.
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CORROSION ON CUPS	<ol style="list-style-type: none">1. Only use products that are not foaming for the professional dishwashers.
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MUCH FOAM AT STORAGE	<ol style="list-style-type: none">1. Check the amount of detergent .2. If foaming detergent is used,pour it and rinse the storage till the foams are lost.
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WASHING OR RINSING HANDLES ARE TURNING SLOWLY	<ol style="list-style-type: none">1. Take off washing handles and clean them.2. Clean the washing pump absorbing filter.
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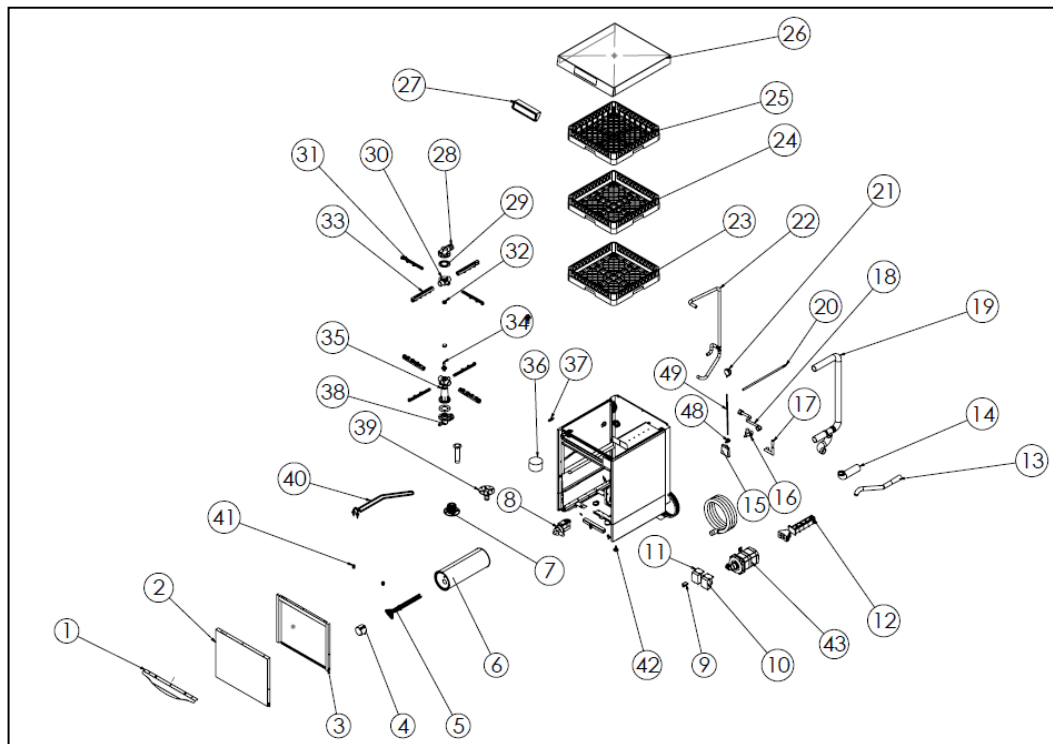
VISCIDITY AND SPOTS ON CUPS	<ol style="list-style-type: none">1. Reduce the amount of polisher.
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- If dishwashing is not done at suitable quality
- If any function of security doesn't work
 - Do not use the appliance.

***If these problems are still going on,contact with our authorized services.**

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G SPARE PART LIST-EXPLODING DRAWING



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G SPARE PART LIST-EXPLODING DRAWING

PRODUCT CODE: 500-SD		
NO	PRODUCT NAME	P.CODE
1	COVER ARM SHEET	Y.500-SD-GGM.001
2	COVER EXTERIOR SHEET	Y.500-SD-GGM.002
3	COVER INTERIOR SHEET	Y.500-SD-GGM.003
4	RESISTANCE COVER	Y.500-SD-GGM.004
5	BOILER RESISTANCE-230V -3000 W (F2107)	Y.500-SD-GGM.005
6	BOILER SHEET	Y.500-SD-GGM.006
7	FILTER COVER	Y.500-SD-GGM.007
8	DRAIN ENGINE	Y.500-SD-GGM.008
9	BAS	Y.500-SD-GGM.009
10	DETERGENT PUMP	Y.500-SD-GGM.010
11	POLISHING PUMP	Y.500-SD-GGM.011
12	PANEL GROUP	Y.500-SD-GGM.012
13	PUMP DRAIN HOSE	Y.500-SD-GGM.013
14	BOILER PUMP HOSE	Y.500-SD-GGM.014
15	AIR TRAP	Y.500-SD-GGM.015
16	WATER VALVE	Y.500-SD-GGM.016
17	VALVE HOSE	Y.500-SD-GGM.017
18	MAIN HOSE	Y.500-SD-GGM.018
19	WASHING INLET HOSE	Y.500-SD-GGM.019
20	BOYLER OUTLET PIPE	Y.500-SD-GGM.020
21	PROSESTAT FLOAT	Y.500-SD-GGM.021
22	FOUNTAIN HOSE	Y.500-SD-GGM.022
23	PLATE BASKET	Y.500-SD-GGM.023
24	SPOON FORK BASKET	Y.500-SD-GGM.024
25	GLASS BASKET	Y.500-SD-GGM.025
26	UPPER COVER SHEET	Y.500-SD-GGM.026
27	DIGITAL SCREEN	Y.500-SD-GGM.027
28	INTRODUCTION	Y.500-SD-GGM.001
29	LOWER BELLY GASKET	Y.500-SD-GGM.002
30	COLLECTOR BELL	Y.500-SD-GGM.003
31	3 OUTLET SPRINKLER ARM	Y.500-SD-GGM.004
32	COLLECTOR BELLOW SCREW	Y.500-SD-GGM.005
33	5 PIECES THICK FOUNTAIN ARM	Y.500-SD-GGM.006
34	COLLECTOR BELL SHAFT	Y.500-SD-GGM.007
35	LOWER SPRINKLE	Y.500-SD-GGM.008

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G SPARE PART LIST-EXPLODING DRAWING

28	INTRODUCTION	Y.500-SD-GGM.028
29	LOWER BELLY GASKET	Y.500-SD-GGM.029
30	COLLECTOR BELL	Y.500-SD-GGM.030
31	3 OUTLET SPRINKLER ARM	Y.500-SD-GGM.031
32	COLLECTOR BELLOW SCREW	Y.500-SD-GGM.032
33	5 PIECES THICK FOUNTAIN ARM	Y.500-SD-GGM.033
34	COLLECTOR BELL SHAFT	Y.500-SD-GGM.034
35	LOWER SPRINKLE	Y.500-SD-GGM.035
36	FILTER	Y.500-SD-GGM.036
37	COVER SENSOR	Y.500-SD-GGM.037
38	HOSE INLET SUB SUPPORT	Y.500-SD-GGM.038
39	DRAIN WEDGE BED	Y.500-SD-GGM.039
40	BOILER RESISTANCE	Y.500-SD-GGM.040
41	COVER CIT CIT	Y.500-SD-GGM.041
42	BINGO FOOT	Y.500-SD-GGM.042
43	WASHING MOTOR	Y.500-SD-GGM.043
44	BYM WASTE WATER DISCHARGE HOSE	Y.500-SD-GGM.044
45	INTERVENTION COVER	Y.500-SD-GGM.045
46	GLASS FIBER RED MACARON	Y.500-SD-GGM.046
47	BYM AIR TRAY BED	Y.500-SD-GGM.047
48	PROTESTATE HOSE	Y.500-SD-GGM.048
49	LOWER COVER SHEET	Y.500-SD-GGM.049

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H ELECTRIC CIRCUIT SCHEMA

