



# HOOD TYPE DISHWASHER

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## A GENERAL INFORMATION

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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.

# HOOD TYPE DISHWASHER

## A1 PRODUCT DESCRIPTION

\*The Professional Hood Type Dishwasher ,that provides high efficiency has been designed to be used in industrial kitchens.

Product Code	Dimensions (mm)	Weight (kg)	Packaging Dimensions (mm)
EMP.1000	696x765x1485	120	720x750x1610

## A2 TECHNICAL INFORMATION

Product Code	EMP.1000
Capacity (Plate/ hour)	1000
Water Consumption (Lt/piece.)	2,5
Total Power (KW)	9
Motor Power (KW)	0,55
Operating Voltage (V)	380
Water Pressure ( bar )	4
Tank Heating Power (KW)	2,8
Rinsing Tank Power (KW)	6
Cable (mm <sup>2</sup> )	5x4
Fuse (A)	32
Program Number (°C)	60 - 90 - 120 - 180

## A3 TRANSPORTATION

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

## A4 UNPACKING

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\*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 shipping.

## B INSTALLATION

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\*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.

# HOOD TYPE DISHWASHER

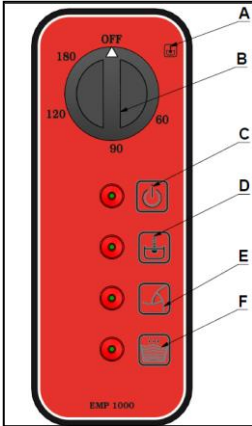
## C SAFETY INSTRUCTIONS

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-  \*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.
-  \*The appliance must be operated under the chimney hood. Otherwise while the appliance is operating or the water vapor that comes from other appliances that works in the area may cause moist and the moist may damage appliance's electrical and mechanical parts. The relative humidity mustn't be more than %65 where the appliance operates.

## D OPERATION

### \*Control Panel;



- A : Water Inlet
- B : Program Option
- C : ON Lamp
- D : Water heated lamp
- E : Washing Lamp
- F : Water inlet-Rinsing lamp

### \* Operating;

- Change the water that is in water tank at least once in a day.
- Before putting the dishes in to the appliance,make prewash with cold or warm water without using any detergent.
- Turn on the water source valve and plug in the appliance.
- In order to take off any residue that remain in storage or pipes,operate the appliance when it is empty.
- Close the appliance's outlet and turn the switch to the right and take 'Water Inlet' position while it is ON position.
- When the appliance is at 'Water Inlet' position,the water enter to the appliance's bowl,when water entrance completed,bowl resistance start to operate in order to heat the water that is in bowl.After heating process 'Ready Lamp' signals.
- Put enough detergent in to the storage.
- Push the basket that you put dirty dishes to the inside and choose suitable washing program.
- Washing process; for hot water and washing with detergent (minimum 55°C),for rinsing with hot water (minimum 75°C).
- After washing process,the appliance will start rinsing process automatically.(Do not open the lid before rinsing process ended).
- At the end of program open the lid and take off the washed basket.Place the other prepared basket.Machine will do washing and rinsing processes at choosen program.

## HOOD TYPE DISHWASHER

### **E      CLEANING & MAINTENANCE**

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#### ➤ **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 after every use.(If the machine has evacuation pump use the pump).
- 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.
- Always leave the outlet opened when the appliance is not operated.
- Clean the limes of the burner,inner surface of the washing tank and water pipes once or twice in a year.
- Clean the limes with using rinsing and washing nozzles once in a month by using vinegar or lime remover.
- Clean the filters in the appliance once in a week.After cleaning be sure that thumbscrew is compressed.
- Clean the appliance's fountains once in 15 days by detaching it.
- Clean the appliance's evacuation stopple and evacuation hoses once in 15 days.

## F TROUBLESHOOTING

<p><b>DISHES ARE NOT WASHED WELL</b></p>	<ol style="list-style-type: none"> <li>1. Clean the pulling filter if it is dirty.</li> <li>2. Check the fountains if they are accumulated with residues or not.</li> <li>3. Check the amount of detergent.</li> <li>4. If the chosen washing program is too less,repeat the program.</li> <li>5. Pay attention the storage heat to be 55°C - 65°C.</li> <li>6. Be sure that the dishes are placed correctly on baskets.</li> <li>7. Check the amount of polisher.Check that if there is polisher or not if necessary add some.</li> <li>8. Check the amount of polisher settings.</li> <li>9. Pay attention the water heat to be 70°C.</li> </ol>
<p><b>MIST OVER ON CUPS</b></p>	<ol style="list-style-type: none"> <li>1. If there isn't polisher,add some.</li> <li>2. Check the amount of polisher.</li> <li>3. Take off the cup basket after washing process ended.</li> </ol>
<p><b>STAINS ON CUP</b></p>	<ol style="list-style-type: none"> <li>1. Only use products that are not foaming for the professional dishwashers.</li> </ol>
<p><b>MUCH FOAM AT STORAGE</b></p>	<ol style="list-style-type: none"> <li>1. Pay attention the washing water not to be less than 50°C.</li> <li>2. Check the amount of detergent .</li> <li>3. If foaming detergent is used,pour it and rinse the storage till the foams are lost.</li> </ol>
<p><b>WASHING OR RINSING HANDLES ARE TURNING SLOWLY</b></p>	<ol style="list-style-type: none"> <li>1. Take off washing handles and clean them.</li> <li>2. Clean the washing pump absorbing filter.</li> </ol>
<p><b>VISCIDITY ON CUPS</b></p>	<ol style="list-style-type: none"> <li>1. Reduce the amount of polisher.</li> </ol>

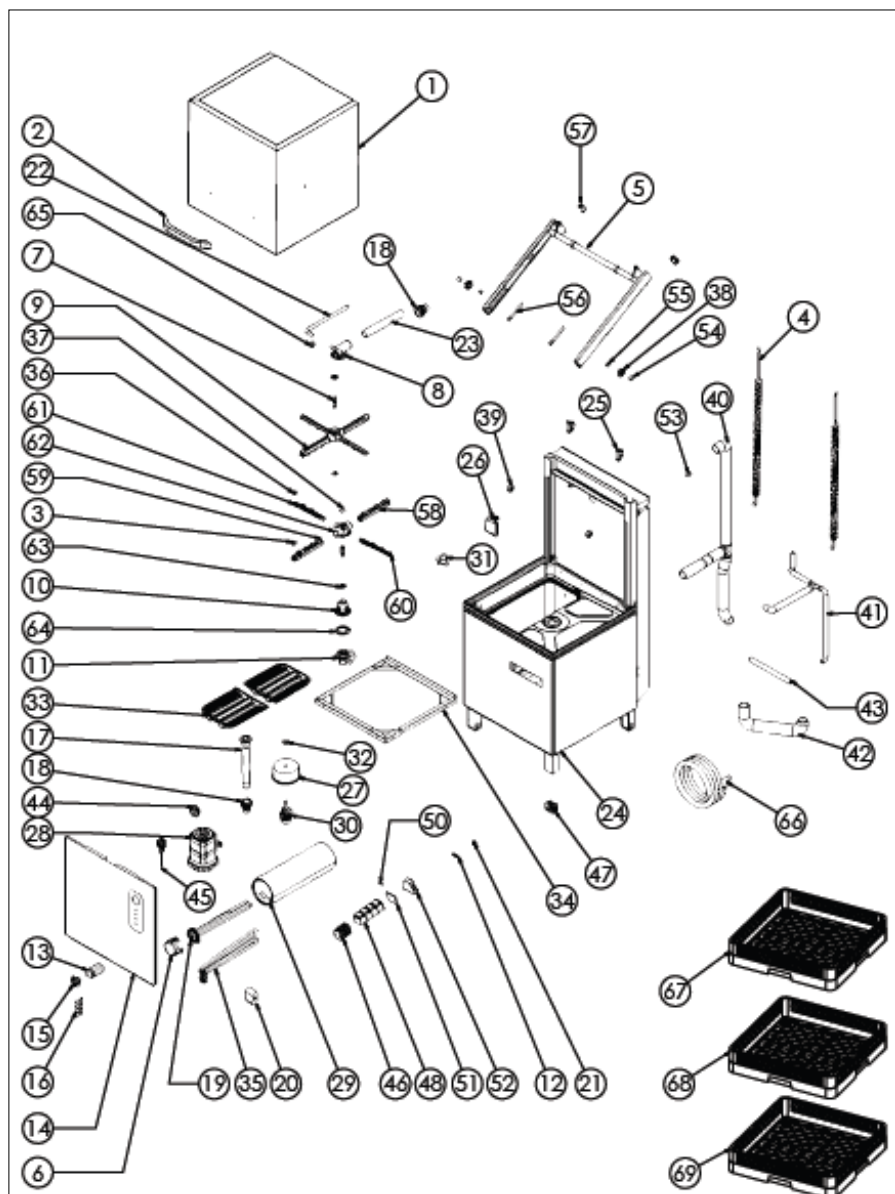
- If dishwashing is not done at suitable quality
- If any function of security doesn't work
  - Do not use the appliance.

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



## HOOD TYPE DISHWASHER

## G SPARE PART LIST-EXPLODING DRAWING



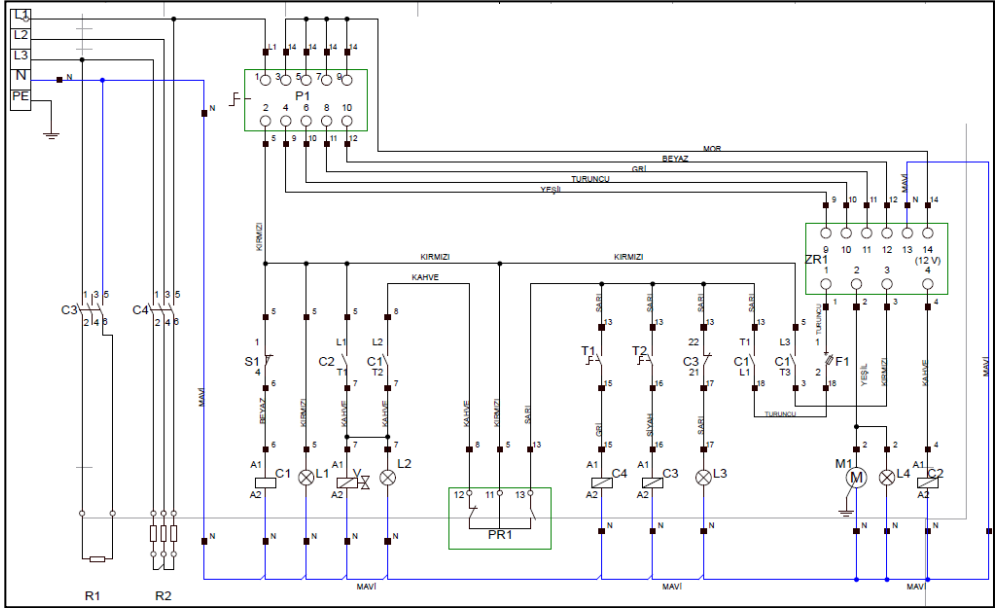
**G SPARE PART LIST-EXPLODING DRAWING**

<b>PRODUCT CODE:EMP.1000</b>		
<b>NO</b>	<b>PRODUCT NAME</b>	<b>P.CODE</b>
1	TOP LID	Y.EMP.1000.001
2	HANDLE	Y.EMP.1000.002
3	WASKING NAZZLE	Y.EMP.1000.003
4	SPRING	Y.EMP.1000.004
5	HOOD HANDLE	Y.EMP.1000.005
6	BOILER RESISTANCE LID	Y.EMP.1000.006
7	EJECTOR SHAFT	Y.EMP.1000.007
8	TOP HOSE INLET BRACKET	Y.EMP.1000.008
9	EJECTOR	Y.EMP.1000.009
10	BOTTOM EJECTOR CENTER	Y.EMP.1000.010
11	BOTTOM HOSE INLET BRACKET	Y.EMP.1000.011
12	SWITCH	Y.EMP.1000.012
13	SWITCH	Y.EMP.1000.013
14	BOTTOM LID	Y.EMP.1000.014
15	SWITCH	Y.EMP.1000.015
16	WARNING LAMP	Y.EMP.1000.016
17	DRAINAGE WEDGE	Y.EMP.1000.017
18	DRAINAGE BEARING	Y.EMP.1000.018
19	BOILER RESISTANCE	Y.EMP.1000.019
20	BOWL RESISTANCE LID	Y.EMP.1000.020
21	MAGNET	Y.EMP.1000.021
22	RINSING PIPE	Y.EMP.1000.022
23	WASHING PIPE	Y.EMP.1000.023
24	BASE FRAME	Y.EMP.1000.024
25	SHAFT BEARING PLASTIC	Y.EMP.1000.025
26	AIR LOCK	Y.EMP.1000.026
27	FILTER	Y.EMP.1000.027
28	MOTOR	Y.EMP.1000.028
29	BOILER TANK	Y.EMP.1000.029
30	FILTER BEARING	Y.EMP.1000.030
31	VALVE	Y.EMP.1000.031
32	FILTER NUT	Y.EMP.1000.032
33	FILTER	Y.EMP.1000.033
34	BASKET PLATFORM	Y.EMP.1000.034
35	BOWL RESISTANCE	Y.EMP.1000.035

## HOOD TYPE DISHWASHER

36	RINSING NOZZLE	Y.EMP.1000.036
37	EJECTOR NUT	Y.EMP.1000.037
38	HOOD HANDLE WHEEL	Y.EMP.1000.038
39	BODY RAIL WHEEL	Y.EMP.1000.039
40	WASHING HOSE	Y.EMP.1000.040
41	RINSING HOSE	Y.EMP.1000.041
42	BOWL PUMP HOSE	Y.EMP.1000.042
43	BOILER VALVE HOSE	Y.EMP.1000.043
44	BALLCOCK	Y.EMP.1000.044
45	THERMOSTAT	Y.EMP.1000.045
46	TERMINAL BLOCK	Y.EMP.1000.046
47	FEET	Y.EMP.1000.047
48	CONAKTOR DILEM01	Y.EMP.1000.048
49	BALLCOCK HOSE	Y.EMP.1000.049
50	GLASS FUSE	Y.EMP.1000.050
51	FUSE HOLDER	Y.EMP.1000.051
52	WASHING TIME RELAY	Y.EMP.1000.052
53	DETERGENT INLET	Y.EMP.1000.053
54	WHEEL CONNECTION PART	Y.EMP.1000.054
55	WHEEL CONNECTION SCREW	Y.EMP.1000.055
56	STOPER	Y.EMP.1000.056
57	HANDLE LID PLASTIC	Y.EMP.1000.057
58	WASHING HANDLE-5	Y.EMP.1000.058
59	WASHING HANDLE-4	Y.EMP.1000.059
60	RINSING HANDLE END OUT	Y.EMP.1000.060
61	RINSING HANDLE REGULAR OUT	Y.EMP.1000.061
62	EJECTOR CENTER	Y.EMP.1000.062
63	PRESSURE FLAKE	Y.EMP.1000.063
64	BOTTOM BRACKET GASKET	Y.EMP.1000.064
65	CONNECTION NUT	Y.EMP.1000.065
66	DRAINAGE PIPE	Y.EMP.1000.066
67	DISH BASKET	EMP.TB.01
68	CUTLERY BASKET	EMP.KC.01
69	GLASS BASKET	EMP.BB.01

## H ELECTRIC CIRCUIT SCHEMA



P1	S1	C1	C2	C3	C4	T1	ZR1	T2
5 Progressive Commutator	Magnetic Door Sensor	Boiler Contactor 230V	Washing Contactor 230V	Lid Relay 230V	Washing Relay 230V	Boiler Thermostat (30-90°C)	5 Cycle-cycle Relay (iNTER RR-5TG)	Washing Thermostat (30-90°C)

L1	L2	L3	L4	PR1	M1	R1	R2	F1	V
Start lamp	Rinsing lamp	Water is heated lamp	Washing lamp	Prossestat	Washing Motor 0,55 KW 230V	Washing Resistance 2500W 230V	Boiler Resistance 3x2000W 380V	ZR1 Fuse 500mA	Selenoid valve 230V