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### 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.



### A1 PRODUCT DESCRIPTION

\*The Professional Undercounter 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.500	590x700x820	67	725x650x970

### A2 TECHNICAL INFORMATION

Product Code	EMP.500
Capacity (Plate/ hour)	500
Water Consumption (Lt/Piece.)	2,5
Total Power (KW)	6
Motor Power (KW)	0,55
Operating Voltage (V)	220
Water Pressure ( bar )	4
Washing Tank Power (KW)	2,5
Rinsing Tank Power (KW)	3
Cable (mm²)	3x2,5
Fuse (A)	32
Max.Plate Diameter (Ø)	320
Program Number (°C)	90 - 120 - 180



#### 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.



### SAFETY INSTRUCTIONS



С

\*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.

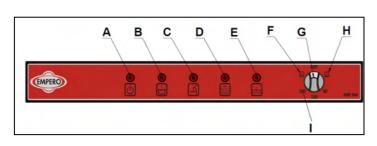


\*Do not wash the decorated dishes.Prevent silver wares to contact with the other metals.

### D OPERATION

#### \*Control Panel;

EMPERO



- A : Appliance ON lamp
- **B** : Water heated lamp
- C: Washing lamp
- D: Water getting /rinsing
- E : Evacuation lamp
- **F** : Evacuation position
- G : Appliance OFF position
- H: Water inlet
- I: Washing program

#### \*Operating;

- Change the water that is in water tank 3 times 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.
- When the appliance is at OFF position,get "water inlet" by switching to right.If "water heated lamp" signals ,it indicates that the power is given to the dishwasher,water is given and heated.
- Open the appliance's lid and put enough detergent into the storage.(If detergent pump is not connected ).
- Place the dirty dishes on baskets.
- Close the lid and choose the suitable washing program.Connected indicator lamp signals and washing starts.
- Washing process; for hot water and washing with detergent (minimum 55°C), for rinsing with hot water and polisher (minimum 75°C).
- After washing process, the appliance will start the automatic rinsing program.
- At the end of program,open the lid and take off washed basket.Place another basket to be washed.The machine will do washing and rinsing process at chosen program.



### 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.
- 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

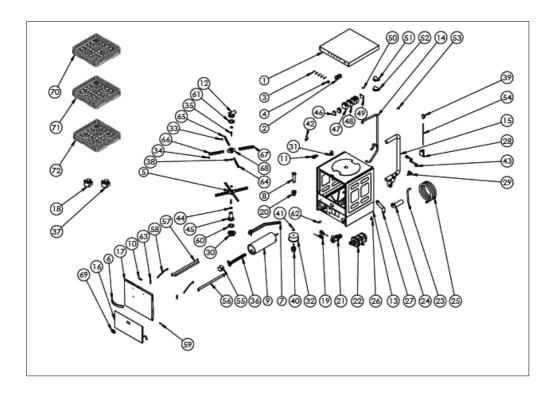
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1 Reduce the amount of polisher	SLOWLY	
1 Reduce the amount of polisher		
CUPS	VISCIDITY AND SPOTS ON	1 Reduce the amount of polisher
	CUPS	

- 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.



### G SPARE PART LIST-EXPLODING DRAWING

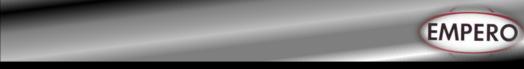


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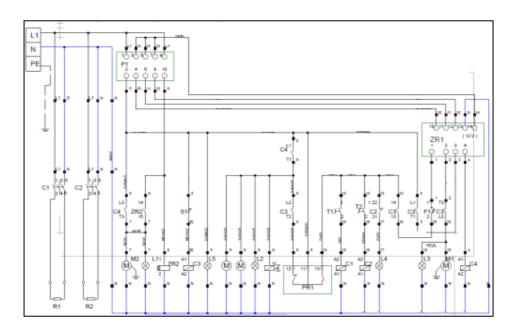
### G SPARE PART LIST-EXPLODING DRAWING

EMPERO

	PRODUCT CODE:EMP.500	
NO	PRODUCT NAME	P.CODE
1	TOP LID	Y.EMP.500.001
2	SWITCH	Y.EMP.500.002
3	WARNING LAMP	Y.EMP.500.003
4	SWITCH	Y.EMP.500.004
5	EJECTOR	Y.EMP.500.005
6	LID HANDLE	Y.EMP.500.006
7	BOWL RESISTANCE	Y.EMP.500.007
8		
9	DRAINAGE WEDGE	Y.EMP.500.008
	BOILER TANK	Y.EMP.500.009
10	LID LOCK PLASTIC	Y.EMP.500.010
11	LID LOCK	Y.EMP.500.011
12	TOP HOSE INLET BRACKET	Y.EMP.500.012
13	BASE FRAME	Y.EMP.500.013
14	RINSING HOSE	Y.EMP.500.014
15	WASHING HOSE	Y.EMP.500.015
16	BOTTOM LID	Y.EMP.500.016
17	FRONT LID	Y.EMP.500.017
18	DETERGENT PUMP	Y.EMP.500.018
19	THERMOSTAT	Y.EMP.500.019
20	WEDGE BEARING	Y.EMP.500.020
21	DRAINAGE PUMP	Y.EMP.500.021
22	MOTOR	Y.EMP.500.022
23	BOILER VALVE HOSE	Y.EMP.500.022
23	BOWL PUMP HOSE	Y.EMP.500.023
24		Y.EMP.500.024 Y.EMP.500.025
	DRAINAGE HOSE FEET	
<u>        26</u> 27	BOWL DRAINAGE HOSE	Y.EMP.500.026 Y.EMP.500.027
28	AIR LOCK	Y.EMP.500.028
29	VALVE	Y.EMP.500.029
30	BOTTOM HOSE INLET BRACKET	Y.EMP.500.030
31	WEDGE-RIGHT	Y.EMP.500.031
32	FILTER	Y.EMP.500.032
33	RINSING NOZZLE	Y.EMP.500.033
34	WASHING NOZZLE	Y.EMP.500.034
35	EJECTOR SHAFT	Y.EMP.500.035
36	BOILER RESISTZNCE	Y.EMP.500.036
37	POLISHER PUMP	Y.EMP.500.037
38	EJECTOR NUT	Y.EMP.500.038
39	BALLCOCK	Y.EMP.500.039
40	FILTER BEARING	Y.EMP.500.040
41	FILTER NUT	Y.EMP.500.041
42	WEDGE-LEFT	Y.EMP.500.042
43	HOSE	Y.EMP.500.043
44	PRESSURE FLAKE	Y.EMP.500.044
45	BOTTOM EJECTOR CENTER	Y.EMP.500.045
46	TERMINAL BLOCK	Y.EMP.500.046
40	CONTACTOR DILEM10	Y.EMP.500.048
	CONTACTOR DILEMITO	Y.EMP.500.047
48	FUSE HOLDER	
49 50	GLASS FUSE	Y.EMP.500.049 Y.EMP.500.050
51	WASHING TIME RELAY	Y.EMP.500.051
52	DRAINAGE TIME RELAY	Y.EMP.500.052
53	DETERGENT INLET	Y.EMP.500.053
54	BALLCOCK HOSE	Y.EMP.500.054
55	RESISTANCE LID	Y.EMP.500.055
56	RIGHT BASKET SLEDGE	Y.EMP.500.056
57	LEFT BASKET SLEDGE	Y.EMP.500.057
58	LID HADLE SHEETMETAL	Y.EMP.500.058
59	LID SCREW	Y.EMP.500.059
60	BOTTOM CENTER GASKET	Y.EMP.500.060
61	TOP CENTER GASKET	Y.EMP.500.061
62	MAGNET	Y.EMP.500.062
63	WEDGE	Y.EMP.500.063
64	RINSING HANDLE END OUT	Y.EMP.500.064
65	RINSING HANDLE REGULAR OUT	Y.EMP.500.065
66	WASHING HANDLE-FOUR	Y.EMP.500.066
	WASHING HANDLE-FIVE	Y.EMP.500.067
67		
68 69	EJECTOR CENTER	Y.EMP.500.068
	BOTTOM LID HANDLE	Y.EMP.500.069
70	DISH BASKET	EMP.TB.01
	CUTLERY BASKET GLASS BASKET	EMP.TB.01 EMP.KC.01 EMP.BB.01



## H ELECTRIC CIRCUIT SCHEMA





P1	5 PROGRESSIVE COMMUTATOR
S1	MAGNETIC DOOR SENSOR
C1	BOİLER CONTACTOR 220V
C2	WASHING CONTACTOR 220V
C3	LID CONTACTOR 220V
C4	RINSING CONTACTOR 220V
L1	EVACUATION LAMP
L2	RINSING LAMP
L3	WASHING LAMP
L4	WATER IS HEATED LAMP
L5	START LAMP
T1	BOİLER THERMOSTAT (30-90°C
T2	WASHING THERMOSTAT (30-90°C
ZR1	5 CYCLE- CYCLE RELAY (İNTER RR-5TG)
ZR2	0-240 SEC. CYCLE RELAY
PR1	PROSSESTAT
М	DETERGENT PUMPS
M1	WASHING MOTOR 0,55 KW 230V
M2	EVACUATION MOTOR 0,44 W 230V
R1	BOILER RESISTANCE 3000W
R2	WASHING RESISTANCE 2500W
F1	LEAKAGE CURRENT SAFETY FUSE
F2	ZR1 FUSE 500MA
V	SOLENOID VALVE 220V
TR1	WASHING MOTOR SAFETY RELAY
TR2	EVACUATION HOSE SAFETY THERMIC