USER MANUAL
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READ THIS MANUAL 🧐

Dear Customer,

• Please carefully read this manual before using the dishwasher, it will help you to use and maintain the dishwasher properly.
• Keep it to refer to it at a later date.
• Pass it on to any subsequent owner of the appliance.

This manual contains sections on safety Instructions, Operating Instructions, Installation Instructions and Troubleshooting Tips, etc.

BEFORE CALLING FOR SERVICE 🤔

• To review the section on troubleshooting Tips will help you to solve some common problems by yourself.
• If you can not solve the problems by yourself, please ask for the help of professional technicians.

NOTE:

• The manufacturer, following a policy of constant development and updating of the product, may make modifications without giving prior notice.
• This user manual shall also be got from the manufacturer or responsible vendor.
1. IMPORTANT SAFETY INFORMATION

⚠️ WARNING! When using your dishwasher, follow the precautions listed below:

• This appliance is intended to be used in household and similar applications such as:
  - staff kitchen areas in shops, offices and other working environments;
  - farm houses;
  - by clients in hotels, motels and other residential type environments;
  - bed and breakfast type environments.

• This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

• This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

• This appliance is for indoor use only, for household use only.

• To protect against the risk of electrical shock, do not immerse the unit, cord or plug in water or other liquid.

• Please unplug before cleaning and maintenance the appliance.

• Use a soft cloth moisten with mild soap, and then use a dry cloth to wipe it again.
**EARTHING INSTRUCTIONS**

- This appliance must be earthed. In the event of a malfunction or breakdown, earthing will reduce the risk of an electric shock by providing a path of least resistance of electric current. This appliance is equipped with a cord having an equipment-earthing conductor and a grounding plug.
- The plug must be plugged into an appropriate outlet that is installed and earthed in accordance with all local codes and ordinances.
- Improper connection of the equipment-earthing conductor can result in the risk of an electric shock.
- Check with a qualified electrician or service representative if you are in doubt whether the appliance is properly grounded.
- Do not modify the plug provided with the appliance; If it does not fit the outlet.
- Have a proper outlet installed by a qualified electrician.
- Do not abuse, sit on, or stand on the door or dish rack of the dishwasher.
- Do not operate your dishwasher unless all enclosure panels are properly in place.
- Open the door very carefully if the dishwasher is operating, there is a risk of water squirting out.
- Do not place any heavy objects on or stand on the door when it is open. The appliance could tip forward.
- When loading items to be washed:
  1) Locate sharp items so that they are not likely to damage the door seal;
  2) Warning: Knives and other utensils with sharp points must be loaded in the basket with their points down or placed in a horizontal position.
• Check that the detergent powder is empty after completion of the wash cycle.
• Do not wash plastic items unless they are marked dishwasher safe or the equivalent.
• For plastic items not so marked, check the manufacturer's recommendations.
• Use only detergent and rinse additives designed for an automatic dish washer.
• Never use soap, laundry detergent, or hand washing detergent in your dishwasher.
• Children should be supervised to ensure that they do not play with the appliance.
• The door should not be left open, since this could increase the risk of tripping.
• If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
• During installation, the power supply must not be excessively or dangerously bent or flattened.
• Do not tamper with controls.
• The appliance is to be connected to the water mains using new hose sets and that old hose-sets should not be reused.
• The maximum number of place settings to be washed is 6.
• The maximum permissible inlet water pressure is 1MPa (10bar).
• The minimum permissible inlet water pressure is 0.04MPa (0.4bar).
Disposal

• This appliance's packaging materials are recyclable. Dispose of the packaging into a suitable waste collection container to recycle it.
• It is prohibited to dispose of this appliance as household waste. Correct Disposal of this product: this symbol on the product or in its packing indicates that this product may not be treated as household waste. Instead, it should be taken to the appropriate waste collection point for the recycling of electrical and electronic equipment.

⚠️ WARNING!

• For disposing of package and the appliance please go to a recycling centre. Therefore cut off the power supply cable and make the door closing device unusable.
• Cardboard packaging is manufactured from recycled paper and should be disposed in the waste paper collection for recycling.
• By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.
• For more detailed information about recycling of this product, please contact your local city office and your household waste disposal service.
2. QUICK OPERATION GUIDE

For detailed operating method read the corresponding content on the instruction manual.

1. Switch on the appliance.
   Open the door, press the Power switch button to switch on the appliance.

2. Fill the detergent dispenser.
   **Compartment A:**
   With each wash cycle.
   **Compartment B:**
   For programmes with pre-wash only (Follow the user instructions!)

3. Check the rinse aid level.
   **Mechanical indicator C.**
   Electric indicator on control panel (if provided).

4. Check the regeneration salt level.
   (On models with water softener system only.) Electric indicator on control panel (if provided). If there is no salt warning light in the control panel (for some models), you can estimate when to fill the salt into the softener by the number of cycles the dishwasher has run.

5. Load the baskets.
   Scrape off any large amount of leftover food. Soften remnants of burnt food in pans, then load the baskets. Refer to the dishwasher loading instructions.

6. Select a programme.
   Press the programme button until the selected programme lights up (See the section entitled “Operation instruction”)

7. Running the dishwasher.
   Open the water tap and close the door. The machine will start working after about 10 seconds.

   • Changing the programme.
     1. A running cycle can only be modified if it has been running for a short time. Otherwise the detergent may have already been released and the water already drained. If this is the case, the detergent dispenser must be refilled.
     2. Open the door carefully, then press the program button more than 3 seconds to cancel the running programme.
     3. Select a new programme.
     4. Restart the dishwasher.

   • Add forgotten dishes in the dishwasher.
     1. Open the door a little to stop the dishwasher.
     2. After the spray arm stop working, you can open the door completely.
     3. Add the forgotten dishes.
     4. Close the door, the dishwasher will start running again after 10 seconds.

**WARNING!**
Open the door carefully. Hot steam may escape when the door is opened!

• If switched off manually or lost power supply, when switched on again, please reselect the washing cycle and operate the dishwasher according to the original Power-on state.
8. Switch off the appliance. When the working cycle has finished, the buzzer of the dishwasher will sound 8 times, then stop. Turn off the appliance using the Power button. Since the appliance is standing by, it will power off automatically after 30 minutes without any operation.

9. Close the water tap, unload the baskets. **Warning:** wait a few minutes (about 15 minutes) before unloading the dishwasher to avoid handling the dishes and utensils while they are still hot and more susceptible to break. They will also dry better. Unload the appliance, starting from the lower basket.

### 3. OPERATION INSTRUCTION

**IMPORTANT**

To get the best performance from your dishwasher, read all operating instructions.

#### 3.1 Control Panel

1. **Power Button:** To turn on/off the power supply.

2. **Delay Button:** To press the button to delay.

3. **Display screen:** to show the reminding time and the state (running state, delay time etc).

4. **Rinse Aid Warning Light:** To be on when the rinse aid dispenser needs to be refilled.

5. **Salt Warning Light:** To be on when the softener needs to be refilled.

6. **Program indicator:** Intensive, Normal, ECO, Glass, Party, 90min.

7. **Program Button:** To press the button to choose the programme.
3.2 Dishwasher Features

1. Salt Container
2. Detergent Dispenser
3. Cutlery Basket
4. Filter assembly
5. Rinse Aid Dispenser
6. Spray Arms
7. Cup Shelf
8. Basket
9. Inlet pipe connector
10. Drain pipe connector
4. PRIOR TO USING FOR THE FIRST TIME

! NOTE:
If your model have no water softener, you may skip this section.

4.1 Loading the Salt Into the Softener

Always use salt intended for use with dishwasher.

The salt container is located beneath the basket and should be filled as follows:

Attention!
- Only use salt specifically designed for use in dishwashers! All other types of salt not specifically designed for use in a dishwasher, especially table salt, will damage the water softener. In case of damages caused by the use of unsuitable salt the manufacturer does not give any warranty nor is liable for any caused damages.
- Only fill with salt just before starting one of the complete washing programmes. This will prevent any grains of salt or salty water, which may have been split, remaining of the bottom of the machine for any period of time, which may cause corrosion.

A. Remove the basket and then unscrew and remove the cap from the salt container.

B. Before first wash, add 1lt. of water in the salt container of your machine.

C. Place the end of the funnel (supplied) into the hole and introduce about 1kg of salt. It is normal for a small amount of water to come out of the salt container.

D. After filling the container, screw the cap tightly back clockwise.

E. Usually, the salt warning light will be cease to be illuminated within 2-6 days after the salt container has been filled with salt.

F. Immediately after filling the salt into the salt container, a washing programme should be started (Suggest choose rapid program). Otherwise filter system, pump or other important parts of the machine may be damaged by salty water. It is out of warranty.

! NOTE:
1. The salt container must only be refilled when the salt warning light in the control panel comes on. Depending on how fully the salt dissolves, the salt warning light may still be on even though the salt container is filled. If there is no salt warning light in the control panel (For some Models), you can judge when to load the salt into the softener by the cycles that the dishwasher had run.
2. If there are spills of the salt, a soak or a rapid program should be run to remove the excess salt.

Adjusting Salt Consumption

Step 1: Enter the status of salt adjustment

Open the door, within 60 seconds after power on, press Program button and hold for 5 seconds, the machine will enter setting mode.
Step 2: select a certain level of salt consumption

Press the Program button to select the proper set according to your local environment, the sets will change in the following sequence: H4->H5->H6->H1->H2->H3;

Note:
1. German degree of measurement for the water hardness
2. millimol, international unit for water hardness
*) factory setting
Contact your local water board for information on the hardness of your water supply.

4.2 Fill the Rinse Aid Dispenser

Rinse Aid Dispenser

The rinse aid is released during the final rinse to prevent water from forming droplets on your dishes. That can leave spots and streaks. It also improves drying by allowing water to sheet off the dishes. Your dishwasher is designed to use liquid rinse aids. The rinse aid dispenser is located inside the door next to the detergent dispenser. To fill the dispenser, open the cap and pour the rinse aid into the dispenser until the level indicator turns completely black. The volume of the rinse aid container is about 110ml.

Function of Rinse Aid

Rinse aid is automatically added during the last rinse, ensuring thorough rinsing, and spot and streak free drying.

Attention!
Only use branded rinse aid for dishwasher. Never fill the rinse aid dispenser with any other substances (e.g. Dishwasher cleaning agent, liquid detergent). This would damage the appliance.

When to Refill the Rinse Aid Dispenser

If there is no rinse-aid warning light in the control panel, you can judge the amount of rinse-aid by the color of the optical level indicator located next to the cap. When the rinse-aid container is full, the whole indicator will be dark. As the rinse-aid diminishes, the size of the dark dot decreases. You should never let the rinse aid get below 1/4 full.

<table>
<thead>
<tr>
<th>Water Hardness level</th>
<th>Setting on the water softener</th>
<th>Digital display stalls</th>
</tr>
</thead>
<tbody>
<tr>
<td>°dH&lt;sup&gt;1&lt;/sup&gt;</td>
<td>mmol/l&lt;sup&gt;2&lt;/sup&gt;</td>
<td></td>
</tr>
<tr>
<td>0-5</td>
<td>0-0.9</td>
<td>1</td>
</tr>
<tr>
<td>6-11</td>
<td>1.0-2.0</td>
<td>2</td>
</tr>
<tr>
<td>12-17</td>
<td>2.1-3.0</td>
<td>3</td>
</tr>
<tr>
<td>18-22</td>
<td>3.1-4.0</td>
<td>4*</td>
</tr>
<tr>
<td>23-34</td>
<td>4.1-6.1</td>
<td>5</td>
</tr>
<tr>
<td>35-45</td>
<td>6.2-8.0</td>
<td>6</td>
</tr>
</tbody>
</table>
1. To open the dispenser, turn the cap to the "open" (left) arrow and lift it out.

2. Pour the rinse aid into the dispenser, being careful not to overfill.

3. Replace the cap by inserting it aligned with "open" arrow and turning it to the closed (right) arrow.

NOTE: Clean up any rinse aid split during filling with an absorbent cloth to avoid excessive foaming during the next wash. Don't forget to replace the cap before you close dishwasher door.

Adjusting Rinse Aid Dispenser

The rinse aid dispenser has six or four settings. Always start with the dispenser set on "4". If spots and poor drying are problems, increase the amount of rinse aid dispensed by removing the dispenser lid and rotating the dial to "5". If the dishes still are not drying properly or are spotted, adjust the dial to the next higher number until your dishes are spot-free. The recommended setting is "4". (Factory value is "4").

Adjust lever (Rinse)

NOTE:
Increase the dose if there are drops of water or lime spots on the dishes after washing.
Reduce it if there are sticky whitish stains on your dishes or a bluish film on glassware or knife blades.
4.3 Function of Detergent

Detergents with its chemical ingredients are necessary to remove dirt, crush dirt and transport it out of the dishwasher. Most of commercial quality detergents are suitable for this purpose.

Normally new pulverised detergent is without phosphate, thus he water softener function of phosphate is not given. In this case we recommend to fill salt in the salt container even when the hardness of water is only 6 °dH. If detergents without phosphate were used in case of hard water often white spots appear at dishes and glasses. In this case please add more detergent to reach better results. Detergents without chlorine do only bleach a little. Strong and coloured spots will not removed completely. In this case please choose a program with higher temperature.

Concentrated Detergent

Based on their chemical composition, detergents can be split in two basic types:
- Conventional, alkaline detergents with caustic components.
- Low alkaline concentrated detergents with natural enzymes.

The use of Normal washing program in combination with concentrated detergent reduces pollution and is good for your dishes.

Detergent Tablets

Detergent tablets of different brands dissolve at different speeds. For this reason some detergent tablets cannot dissolve and develop their full cleaning power during short Programs. Therefore please use long programs when using detergent tablets, to ensure the complete removal of detergent residuals.

Detergent Dispenser

The dispenser must be refilled before the start of each wash cycle following the instructions provided in the Wash Cycle Table. Your dishwasher uses less detergent and rinse aid than conventional dishwasher. Generally, only one tablespoon of detergent is needed for a normal wash load. More heavily soiled items need more detergent. Always add the detergent just before starting the dishwasher, otherwise it could get damp and will not dissolve properly.

Amount of Detergent to Use

1. Push latch to open

2. Fill in detergent dispenser

Fill the detergent dispenser with detergent. The marking indicates the dosing levels, as illustrated on right:
A. Location of main wash cycle detergent.
B. Location of pre-wash cycle detergent

Please observe the manufacturers dosing and storage recommendations as stated on the detergent packaging.

Close the lid and press until it locks in place.

If the dishes are heavily soiled, place an additional detergent dose in the pre-wash detergent chamber. This detergent will take effect during the pre-wash phase.

**NOTE:**
- You see information about the amount of detergent for the single program on the page 9.
- Please be aware that soil levels and water hardness can effect wash results.
- Please observe the manufacturer’s recommendations on the detergent packaging.
- If the lid is closed: push the latch to open.
- Always add the detergent just before starting each wash cycle.
- Only use branded detergent and rinse aid for dishwasher.

**WARNING!**
Dishwasher detergent is corrosive!
Take care to keep it out of reach of children.

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**5. LOADING THE DISHWASHER BASKETS**

**5.1 Recommendation**
- Consider buying utensils which are identified as dishwasher-proof.
- Use a mild detergent that is described as 'kind to dishes'. If necessary, seek further information from detergent manufacturers.
- For particular items, select a program with as low temperature as possible.
- To prevent damage, do not take glass and cutlery out of the dishwasher immediately after the program has ended.

**5.2 Suitability of use in the dishwasher**

**Not suitable for use**
- Cutlery with wooden, horn china or mother-of-pearl handles.

- Plastic items that are not heat resistant.
- Older cutlery with glued parts that is not temperature resistant.
- Bonded cutlery items or dishes.
- Pewter or copper items.
- Crystal glass.
- Steel items subject to rusting.
- Wooden platters.
- Items made from synthetic fibres.

**Limited suitability**
- Some types of glasses can become dull after a large number of washes.
- Silver and aluminium parts have a tendency to discolour during washing.
- Glazed patterns may fade if machine washed frequently.
5.3 Attention before or after loading the Dishwasher Baskets

(For the best performance of the dishwasher, follow these loading guidelines. Features and appearance of baskets and cutlery baskets may vary from your model.)

Scrape off any large food particles. Soften remnants of burnt food in pans. It is not necessary to rinse the dishes under running water.

Place objects in the dishwasher in the following way:

1. Items such as cups, glasses, pots/pans, etc. are face downwards.
2. Curved items, or those with recesses, should be loaded at an angle so that water can run off.
3. All utensils are stacked securely and can not tip over.
4. All utensils are placed in the way that the spray arms can rotate freely during washing.

⚠️ NOTE:

- Very small items should not be washed in the dishwasher as they could easily fall out of the basket.
  - Load hollow items such as cups, glasses, pans etc. with the opening facing downwards so that water cannot collect in the container or a deep base.
  - Dishes and items of cutlery must not lie inside one another, or cover each other.
  - To avoid damage to glasses, they must not be touched.
  - Long bladed knives stored in an upright position are a potential hazard!
  - Long and/or sharp items of cutlery such as carving knives must be positioned horizontally in the basket.
  - Please do not overload your dishwasher. This is important for good results and for reasonable energy consumption.

5.4 Loading the Basket

Position the dishes and cookware so that they will not get moved by the spray of water.

5.5 Cutlery Basket

Position the dishes and cookware so that they do not get moved by the spray of water.
1. Forks
2. Soup spoons
3. Dessert spoons
4. Teaspoons
5. Knives
6. Serving spoons
7. Gravy ladles
8. Serving forks

**WARNING!**
- Do not let any item extend through bottom.
- Always load sharp utensils with the sharp point down!

For personal safety and a top quality clean, make sure place the silverware in the basket as follows:
- They do not nest together.
- Place silverware with handles-down.
- But place knives and other potentially dangerous utensils handles-up.

### 6. STARTING A WASHING PROGRAMME

#### 6.1 Wash Cycle Table

<table>
<thead>
<tr>
<th>Program</th>
<th>Cycle Selection Information</th>
<th>Description of Cycle</th>
<th>Detergent pre/main</th>
<th>Running time(min)</th>
<th>Energy (Kwh)</th>
<th>Water (l)</th>
<th>Rinse Aid</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Intensive]</td>
<td>For heaviest soiled crockery, and normally soiled pots, pans, dishes etc with dried on soiling.</td>
<td>Pre-wash (50°C) Wash (70°C) Rinse Rinse Rinse (70°C) Drying</td>
<td>3/15g (or3in1)</td>
<td>140</td>
<td>0.9</td>
<td>10</td>
<td>![star]</td>
</tr>
<tr>
<td>![Normal]</td>
<td>For normally soiled loads, such as pots, plates, glasses and lightly soiled pans.</td>
<td>Pre-wash Wash (60°C) Rinse Rinse (70°C) Drying</td>
<td>3/15g (or3in1)</td>
<td>120</td>
<td>0.7</td>
<td>8</td>
<td>![star]</td>
</tr>
<tr>
<td>![ECO] (*EN 50242)</td>
<td>This is standard programme, it is suitable to clean normally soiled tableware and it is the most efficient programme in terms of its combined energy and water consumption for that type of tableware.</td>
<td>Pre-wash Wash (50°C) Rinse Rinse (70°C) Drying</td>
<td>3/15g (or3in1)</td>
<td>180</td>
<td>0.61</td>
<td>6.5</td>
<td>![star]</td>
</tr>
<tr>
<td>![Glass]</td>
<td>For lightly soiled loads, such as glasses, crystal and fine china.</td>
<td>Wash (45°C) Rinse Rinse (60°C) Drying</td>
<td>18g (or3in1)</td>
<td>75</td>
<td>0.5</td>
<td>7.0</td>
<td>![star]</td>
</tr>
<tr>
<td>![20° 90 min]</td>
<td>Fresh soiling Coffee cup, glasses.</td>
<td>Wash (45°C) Rinse Rinse (42°C)</td>
<td>5g</td>
<td>20</td>
<td>0.33</td>
<td>7</td>
<td>![star]</td>
</tr>
<tr>
<td>![20° 90 min]</td>
<td>For lightly soiled crockery and glass.</td>
<td>Wash(65°C) Rinse(70°C) Drying</td>
<td>18g (or3in1)</td>
<td>90</td>
<td>0.65</td>
<td>7.0</td>
<td>![star]</td>
</tr>
</tbody>
</table>
**NOTE:**

*EN 5 0242: This programme is the test cycle. The information for comparability test in accordance with EN 50242, as follows:
- Capacity: 6 setting
- Rinse aid setting: 6
- The power consumption of off-mode is 0.45W left-on mode is 0.49W

### 6.2 Turning On the Appliance

Starting a wash cycle...
- Draw out the basket (see the section entitled “Loading the Dishwasher”).
- Pour in the detergent (see the section entitled “Salt, Detergent and Rinse Aid”)
- Insert the plug into the socket. The power supply is 220-240 VAC 50 Hz, the specification of the socket is 10 A 250 VAC.
- Make sure that the water supply is turned on to full pressure.
- Press the program button, the wash program will be changed as follows direction: ECO-> Glass-> Party-> 90min-> Intensive-> Normal;
- If a program is selected, the response light will light. Then close the door, the dishwasher begins to start.

⚠️ **NOTE:**

When you open the door to pause during washing, the program light will stop blinking and the dishwasher will mooing every minute unless you close the door to start.

### 6.3 Change the Programme...

Premise: You can modify the washing program, If the dishwasher just worked for a short time. Otherwise, the detergent may have already been released, and the appliance may have already drained the wash water. in this case, the detergent dispenser must be refilled (see the section entitled "Detergent").

Open the door a little to stop the dishwasher, after the spray arm stop working, you can open the door completely. Press Program Button more than three seconds the machine will be in stand by state, then you can change the program to the desired cycle setting (see the section entitled "Starting a wash program").

⚠️ **NOTE:**

If you open the door during washing, the machine will pause. When you close the door the machine will keep on working after 10 seconds.

*In case of power failure, the selected program will resume when power returns.*

### 6.4 Forget to Add a Dish?

A forgotten dish can be added any time before the detergent cup opens.
1. Open the door a little to stop the washing.
2. After the spray arms stop working, you can open the door completely.
3. Add forgotten dishes.
4. Close the door.
5. Press the Start/Pause button, the dishwasher will run after 10 seconds.

### 6.5 At the end of the Wash Cycle

When the working cycle has finished, the buzzer of dishwasher will sound 8 seconds, then stop. Turn off the appliance using the ON/OFF button, shut off the water supply and open the door of the dishwasher. Wait a few minutes before unloading the dishwasher to avoid scald, the dishes and utensils are still hot and more susceptible to breakage. They will also dry better.
• Switch Off the Dishwasher
  1. Switch off the dishwasher by pressing the ON/OFF button.
  2. Close the water tap!
• Open the door carefully.
  Hot dishes are sensitive to knocks. Open the dishwasher’s door, leave it ajar and allow cool down of the dishes for 15 minutes. In this way they will be cooler and the drying will be improved.

7. MAINTENANCE AND CLEANING

Filter assembly

The filter efficiently removes food particles from the wash water, allowing it to be recycled during the cycle. For best performance and results, the filter assembly must be cleaned regularly. For this reason, it is a good idea to remove the larger food particles trapping in the filter after each wash cycle by rinsing the filter and cup under running water. To remove the filter assembly, pull the cup handle in the upward direction.

⚠️ WARNING!

The dishwasher must never be used without the filters. Improper replacement of the filter may reduce the performance level of the appliance and damage dishes and utensils.

⚠️ NOTE:

If do it from step 1 to step 3, the filter system will be removed; while if do it from Step 3 to Step 1, the filter system will be installed.

Notes:

• Inspect the filters for blocking after every time the dishwasher has been used.
NOTE:
The entire filter assembly should be cleaned once a week.

Cleaning The Filter
To clean the coarse filter and the fine filter, use a cleaning brush. Reassemble the filter parts as shown in the figures on the last page and reinsert the entire assembly in the dishwasher, positioning in its seat and pressing downward.

WARNING!
When cleaning the filters, don't knock on them. Otherwise, the filters could be contorted and the performance of dishwasher could be decreased.

7.2 Caring for the Dishwasher
The control panel can be cleaned by using a lightly dampened cloth. After cleaning, make sure to dry it thoroughly. For the exterior use a good appliance polish wax.
Never use sharp objects, scouring pads or harsh cleaners on any part of the dishwasher.

Cleaning The Door
To clean the edge around the door, you should use only a soft warm, damp cloth. To avoid penetration of water into the door lock and electrical components, do not use a spray cleaner of any kind.

WARNING!
• Never use a spray cleaner to clean the door panel as it may damage the door lock and electrical components.
• Abrasive agents or some paper towel should not be used because of the risk of scratching or leaving spots on the stainless steel surface.

Protect Against Freezing
Please take frost protection measures on the dishwasher in winter.
As follows:
1. Turn off electrical power to the dishwasher.
2. Turn off the water supply and disconnect the water inlet pipe from the water valve.
3. Drain water from the inlet pipe and water valve (Use a pan to catch the water)
4. Reconnect the water inlet pipe to the water valve.
5. Remove the filter at the bottom of the tub and use a sponge to soak up water in the sump.

NOTE:
If your dishwasher cannot work because of the ice, please contact authorised service person.

Cleaning the Spray Arms
The spray arms can be easily removed for periodic cleaning of the nozzles to prevent possible clogging. Wash them under running water and carefully replace them in their seats, checking that their rotary movement is in no way impeded.
Grasp the middle of the spray arm, pull it upwards to remove it. Wash the arms under a jet of running water and replace it carefully to its seat. After reassembly, check that the spray arms rotate freely. Otherwise, check that they have been installed correctly.
How to Keep Your Dishwasher in Shape

• After Every Wash
  After every wash, turn off the water supply to the appliance and leave the door slightly open so that moisture and odors are not trapped inside.

• Remove the Plug
  Before cleaning or performing maintenance, always remove the plug from the socket.

• No Solvents or Abrasive Cleaning
  To clean the exterior and rubber parts of the dishwasher, do not use solvents or abrasive cleaning products. Only use a cloth with warm soapy water. To remove spots or stains from the surface of the interior, use a cloth dampened with water with a little vinegar, or a cleaning product made specifically for dishwashers.

• When not in use for a long time
  It is recommend that you run a wash cycle with the dishwasher empty and then remove the plug from the socket, turn off the water supply and leave the door of the appliance slightly open. This will help the door seals to last longer and prevent odours from forming within the appliance.

• Disconnect power prior to move the appliance.
  Moving the Appliance
  If the appliance must be moved, try to keep it in the vertical position. If absolutely necessary, it can be positioned on its back.

• Seals
  One of the factors that cause odors to form in the dishwasher is food that remains trapped in the seals. Periodic cleaning with a damp sponge will prevent this from occurring.
# 8. TROUBLESHOOTING TIPS

## 8.1 Before Calling for Service

Review the charts on the following pages may save you from calling for service.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Causes</th>
<th>What To Do</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dishwasher doesn't start</strong></td>
<td>Fuse blown, or the circuit breaker tripped.</td>
<td>Replace fuse or reset circuit breaker. Remove any other appliances sharing the same circuit with the dishwasher.</td>
</tr>
<tr>
<td><strong>Power supply is not turned on.</strong></td>
<td></td>
<td>Make sure the dishwasher is turned on and the door is closed securely. Make sure to close the door properly and latch it. Make sure the power cord is properly plugged into the wall socket.</td>
</tr>
<tr>
<td><strong>Technical problems</strong></td>
<td>Door of dishwasher not properly closed.</td>
<td>Make sure to close the door properly and latch it.</td>
</tr>
<tr>
<td><strong>Water not pumped from dishwasher</strong></td>
<td>Kink in drain hose</td>
<td>Check drain hose.</td>
</tr>
<tr>
<td><strong>Filter clogged.</strong></td>
<td></td>
<td>Check the coarse filter. (see section titled &quot;Cleaning The Filter&quot;)</td>
</tr>
<tr>
<td><strong>Kitchen sink clogged</strong></td>
<td></td>
<td>Check kitchen sink to make sure it is draining well. If the problem is the kitchen sink not draining ,you may need a plumber rather than a serviceman for dishwasher</td>
</tr>
<tr>
<td><strong>General problems</strong></td>
<td>Improper detergent</td>
<td>Use only the special dishwasher detergent to avoid suds. If this occurred, open the dishwasher and let suds evaporate. Add 1 gallon of cold water to the tub. Close and latch the dishwasher, then Start any wash cycle to drain out the water. Repeat if necessary.</td>
</tr>
<tr>
<td><strong>Spilled rinse-aid</strong></td>
<td></td>
<td>Always wipe up rinse-aid spills immediately.</td>
</tr>
<tr>
<td><strong>Stained tub interior</strong></td>
<td>Detergent with colourant was used.</td>
<td>Make sure that the detergent is the one without colourant.</td>
</tr>
<tr>
<td><strong>White film on inside surface</strong></td>
<td>Hard water minerals</td>
<td>To clean the interior, use a damp sponge with dishwasher detergent and wear rubber gloves. Never use any other cleaner than dishwasher detergent for the risk of foaming or suds.</td>
</tr>
<tr>
<td><strong>There are rust stains on cutlery</strong></td>
<td>The affected items are not corrosion resistant.</td>
<td></td>
</tr>
<tr>
<td>Problem</td>
<td>Possible Causes</td>
<td>What To Do</td>
</tr>
<tr>
<td>---------</td>
<td>----------------</td>
<td>------------</td>
</tr>
<tr>
<td>A programme was not run after dishwasher salt was added. Traces of salt have got into the wash cycle.</td>
<td>Always run the Quick wash programme. Without any crockery in the dishwasher and without selecting the Turbo function (if present), after adding dishwasher salt.</td>
<td></td>
</tr>
<tr>
<td>The lid of softer is loose.</td>
<td>Check the lip. Ensure the fix is fine.</td>
<td></td>
</tr>
<tr>
<td>Noise</td>
<td>Knocking noise in the wash cabinet</td>
<td>The spray arm is knocking against an item in a basket.</td>
</tr>
<tr>
<td>Rattling noise in the wash cabinet</td>
<td>Item of crockery are loose in the wash cabinet.</td>
<td>Interrupt the program, and rearrange the items of crockery.</td>
</tr>
<tr>
<td>Knocking noise in the water pipes</td>
<td>This may be caused by on-site installation or the cross-section of the piping.</td>
<td>This has no influence on dishwasher function. If in doubt, contact a suitably qualified plumber.</td>
</tr>
<tr>
<td>The dishes are not clean</td>
<td>The dishes were not loaded correctly.</td>
<td>See notes in &quot;Loading the Dishwasher Baskets&quot;.</td>
</tr>
<tr>
<td></td>
<td>The programme was not powerful enough.</td>
<td>Select a more intensive programme. See &quot;Wash Cycle Table&quot;.</td>
</tr>
<tr>
<td>Not enough detergent was dispensed.</td>
<td>Use more detergent, or change your detergent.</td>
<td></td>
</tr>
<tr>
<td>Item are blocking the path of spray arms.</td>
<td>Rearrange the items so that the spray can rotate freely.</td>
<td></td>
</tr>
<tr>
<td>Unsatisfactory washing result</td>
<td>The filter combination in the base of wash cabinet is not clean or is not correctly fitted. This may cause the spray arm jets to get blocked.</td>
<td>Clean and/or fit the filter combination correctly. Clean the spray arm jets. See &quot;Cleaning the Spray Arms&quot;.</td>
</tr>
<tr>
<td>Cloudiness on glassware</td>
<td>Combination of soft water and too much detergent.</td>
<td>Use less detergent if you have soft water and select a shortest cycle to wash the glassware and to get them clean.</td>
</tr>
<tr>
<td>Problem</td>
<td>Possible Causes</td>
<td>What To Do</td>
</tr>
<tr>
<td>---------</td>
<td>----------------</td>
<td>------------</td>
</tr>
<tr>
<td>Black or gray marks on dishes</td>
<td>Aluminum utensils have rubbed against dishes.</td>
<td>Use a mild abrasive cleaner to eliminate those marks.</td>
</tr>
<tr>
<td>Detergent left in dispenser cups</td>
<td>Dishes block detergent cups.</td>
<td>Re-loading the dishes properly.</td>
</tr>
<tr>
<td>Unsatisfactory drying result</td>
<td>The dishes are not drying</td>
<td>Load the dishwasher as suggested in the directions.</td>
</tr>
<tr>
<td>Too little rinse-aid</td>
<td></td>
<td>Increase the amount of rinse-aid/Refill the rinse-aid dispenser.</td>
</tr>
<tr>
<td>Dishes are removed too soon.</td>
<td></td>
<td>Do not empty your dishwasher immediately after washing. Open the door slightly so that the steam can escape. Begin unloading the dishwasher only once the dishes are barely warm to the touch. Empty the low basket first. This prevents water from dropping off dishes in the upper basket.</td>
</tr>
<tr>
<td>Wrong programme selection</td>
<td></td>
<td>In short programmes the washing temperature is lower. This also lowers cleaning performance. Choose a programme with a long washing time.</td>
</tr>
<tr>
<td>Using cutlery with a low-quality coating</td>
<td></td>
<td>Water drainage is more difficult with these items. Cutlery or dishes of this type are not suitable for washing in the dishwasher.</td>
</tr>
</tbody>
</table>

### 8.2 Error Codes

When some malfunctions come on, the appliance will display error codes to warn you:

<table>
<thead>
<tr>
<th>Codes</th>
<th>Meanings</th>
<th>Possible Causes</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1</td>
<td>Longer inlet time.</td>
<td>Faucets is not opened, or water intake is restricted, or water pressure is too low.</td>
</tr>
<tr>
<td>E2</td>
<td>Not reaching required temperature.</td>
<td>Malfunction of heating element.</td>
</tr>
</tbody>
</table>

#### E3
Overflow. Some element of dishwasher leaks.

#### E4
Failure of communication between main PCB with TFT PCB. Open circuit or break of wiring for the communication.

⚠️ **WARNING!**
- If overflow occurs, turn off the main water supply before calling a service.
8.3 Technical Information

The dimensions with "**" variable according to actual situation

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Height:</strong></td>
<td>452mm (without decorative panel)</td>
</tr>
<tr>
<td><strong>Width:</strong></td>
<td>550mm (without decorative panel)</td>
</tr>
<tr>
<td><strong>Depth:</strong></td>
<td>518mm (without decorative panel)</td>
</tr>
<tr>
<td><strong>Voltage connected Load:</strong></td>
<td>see rating label</td>
</tr>
<tr>
<td><strong>Water pressure:</strong></td>
<td>0.04-1.0MPa</td>
</tr>
<tr>
<td><strong>Power supply:</strong></td>
<td>see rating label</td>
</tr>
<tr>
<td><strong>Capacity:</strong></td>
<td>6 Place settings</td>
</tr>
</tbody>
</table>
Technical Data Sheet
Sheet of household dishwasher according to EU Directive 1059/2010:

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Electrolux</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type / Description</td>
<td>FSE21200P</td>
</tr>
<tr>
<td>Standard place settings</td>
<td>6</td>
</tr>
<tr>
<td>Energy efficiency class</td>
<td>A+</td>
</tr>
<tr>
<td>Annual energy consumption</td>
<td>174 kWh</td>
</tr>
<tr>
<td>Energy consumption of the standard cleaning cycle</td>
<td>0.61 kWh</td>
</tr>
<tr>
<td>Power consumption of off-mode</td>
<td>0.45 W</td>
</tr>
<tr>
<td>Power consumption of left-on mode</td>
<td>0.49 W</td>
</tr>
<tr>
<td>Annual water consumption</td>
<td>1820 litre</td>
</tr>
<tr>
<td>Drying efficiency class</td>
<td>A</td>
</tr>
<tr>
<td>Standard cleaning cycle</td>
<td>ECO 50°C</td>
</tr>
<tr>
<td>Program duration of the standard cleaning cycle</td>
<td>180 min</td>
</tr>
<tr>
<td>Noise level</td>
<td>50 dB(A) re 1 pW</td>
</tr>
<tr>
<td>Mounting</td>
<td>build under</td>
</tr>
<tr>
<td>Could be built-in</td>
<td>Yes</td>
</tr>
<tr>
<td>Height</td>
<td>45.2 cm</td>
</tr>
<tr>
<td>Width</td>
<td>55 cm</td>
</tr>
<tr>
<td>Depth (with connectors)</td>
<td>51.8 cm</td>
</tr>
<tr>
<td>Power consumption</td>
<td>1280 W</td>
</tr>
<tr>
<td>Rated voltage / frequency</td>
<td>230 V~/50 Hz</td>
</tr>
<tr>
<td>Water pressure (flow pressure)</td>
<td>0.4-10 bar = 0.04-1 MPa</td>
</tr>
</tbody>
</table>

NOTE:
1. + + + (highest efficiency) to D (lowest efficiency)
2. Energy consumption “174” kWh per year, based on 280 standard cleaning cycles using cold water fill and the consumption of the low power modes. Actual energy consumption will depend on how the appliance is used.
3. Water consumption “1820” litres per year, based on 280 standard cleaning cycles. Actual water consumption will depend on how the appliance is used.
4. (highest efficiency) to G (lowest efficiency)
5. This program is suitable for cleaning soiled normally soiled tableware and that it is the most efficient programme in terms of its combined energy and water consumption for that type of tableware.

The device meets the European standards and the directives in the current version at delivery (If the version number is not in conformity with the latest standards, please refer to the latest version number.):
- LVD 2014/35/EU
- EMC 2014/30/EU
- ErP 2009/125/EC

The above values have been measured in accordance with standards under specified operating conditions.

Results may vary greatly according to quantity and pollution of the dishes, water hardness, amount of detergent, etc.

The manual is based on the European Union’s standards and rules.