Operating instructions

for G 856 dishwasher

To prevent accidents and machine damage read the Operating Instructions before installing or using the dishwasher.
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Guide to the appliance

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**IMPORTANT SAFETY INSTRUCTIONS**

**WARNING**

Please follow all basic safety precautions when operating this dishwasher.

This appliance conforms with all uniform safety codes and regulations. To avoid injury and machine damage, read the operating instructions carefully.

The manufacturer cannot be held responsible for damage or injury caused by improper use or for uses other than those for which the appliance is intended.

- Repairs should only be performed by a qualified and competent person. Disconnect the appliance from the power supply before servicing (pull out the plug or “trip” the circuit breaker).

- This dishwasher should only be installed under a continuous countertop secured to adjacent cabinetry.

- The dishwasher must be electrically grounded. Install the dishwasher as outlined in the included Installation instructions.

- Only use detergents and rinse aids recommended for residential dishwashers.

- Do not use the dishwasher unless all panels are in place.

- Do not allow children to play in or on the dishwasher.

- Keep all detergents and rinse aids out of the reach of children.

- Dishwasher detergents contain Sodium Silicate and Sodium Carbonate. In case of eye contact, immediately flush with water. Call a physician or poison control.

- Do not tamper with the controls.

- Do not drink water from the dishwasher.
When loading dishes and cutlery:
- Place sharp items away from the door seal to prevent damaging the seal.
- Load knives pointing down to prevent injuries.

Do not wash plastic items unless they are labeled “dishwasher safe”. For items not labeled, check the manufacturer’s recommendations.

Do not abuse, sit, or stand on the door or baskets of the dishwasher.

When disposing of a dishwasher, unplug it from the outlet, remove the front door and cut off the power cord. This will help protect children from injury and accidentally locking themselves in.

Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for two weeks or more. HYDROGEN GAS IS EXPLOSIVE. If the hot water system has not been used for such a period, turn on all hot water faucets and let the water flow from each for several minutes before using the dishwasher. This will release any accumulated hydrogen gas. Do not smoke or use an open flame during this time.

SAVE THESE INSTRUCTIONS
INSTRUCTIONS IMPORTANTES SUR LA SÉCURITÉ

AVERTISSEMENT

Au moment d’utiliser votre lave-vaisselle, veuillez observer toutes les mesures de sécurité de base.

Cet appareil électroménager est conforme à tous les règlements et codes sur la sécurité. Pour éviter de vous blesser et d’endommager l’appareil, veuillez lire soigneusement les instructions sur l’utilisation.

Le fabricant ne peut être tenu responsable des dommages ou blessures causés par une utilisation inadéquate ou par des utilisations autres que celles auxquelles l’appareil est destiné.

Les réparations doivent être effectuées uniquement par une personne compétente. Débrancher l’appareil de la prise de courant avant d’en faire l’entretien (enlever la fiche de la prise ou fermer le disjoncteur).

Installer uniquement ce lave-vaisselle sous un comptoir continu qui est fixé à des meubles adjacents.

Vous devez mettre le lave-vaisselle à la terre. Installer le lave-vaisselle en observant les instructions pour l’installation ci-jointes.

Utiliser uniquement des détergents et des produits de rinçage recommandés pour les lave-vaisselle domestiques.

Ne pas utiliser le lave-vaisselle à moins que tous les panneaux soient bien en place.

Ne pas permettre aux enfants de jouer dans ou sur le lave-vaisselle.

Ranger tous les détergents et produits de rinçage hors de la portée des enfants.

Les détergents pour lave-vaisselle contiennent du silicate de soude et du carbonate de soude. En cas de contact avec les yeux, les rincer immédiatement à grande eau. Téléphoner à un médecin ou à un centre de traitement antipoison.

Ne pas modifier les commandes.

Ne pas boire l’eau du meuble de lavage.
INSTRUCTIONS IMPORTANTES SUR LA SÉCURITÉ

Au moment de remplir le lave-vaisselle :
– Mettre les articles pointus de manière à ce qu’ils n’endommagent pas le seu étanche de la porte.
– Mettre le tranchant des couteaux vers le bas afin d’éviter les risques de blessure.

Ne pas laver les articles en plastique à moins qu’ils n’indiquent “Va au lave-vaisselle”. Vérifier les recommandations du fabricant pour les articles non étiquetés.

Ne pas abuser et ne pas vous asseoir ni vous tenir sur la porte ou sur les paniers du lave-vaisselle.

Enlever la porte et couper le cordon du lave-vaisselle avant de l’enlever aux déchets afin d’empêcher les enfants de se blesser ou de s’enfermer dans l’appareil par accident.

Dans certaines conditions, un système d’eau chaude qui n’a pas été utilisé pendant plus de deux semaines, peut dégager de l’azote. L’AZOTE EST EXPLOSIF. Si le système d’eau chaude n’a pas été utilisé pendant une telle période de temps, ouvrir tous les robinets d’eau chaude et laisser l’eau couler pendant plusieurs minutes avant d’utiliser le lave-vaisselle. Ceci dissipera tout l’azote accumulé.
Ne pas fumer ni utiliser une flamme nue durant ce temps.

CONSERVER CES INSTRUCTIONS.
Caring for the environment

Disposal of the packing material
The cardboard box and packing material protects the appliance during shipping. These materials are biodegradable and recyclable, please recycle.

Disposal of an old machine
Before disposing of an appliance make sure that the machine has been made safe as outlined in the “Important Safety Instructions” by removing power cords and doors.

Energy saving washing
This dishwasher is exceptionally economical in the use of water and electricity. For best results follow these tips:

The dishwasher can internally heat water to the temperatures required by the wash program. This capability allows the option of connecting the machine to either a hot or cold water source.

- For lowest energy consumption and the gentlest washing of china and crystal, connect the dishwasher to a cold water source.

- For fastest possible wash times, yet higher energy consumption, connect the dishwasher to a hot water source.

- Make full use of the baskets without overloading for the most economical washing.

- For small loads: Select the “Top Solo” function (see “Additional features”).

- Choose a program that best suits the degree of soiling and the type of dishes being washed.

- If baskets are only half full, select the “Economy” program.

- Use the correct amounts of detergent and rinse aid.
Before using for the first time

Please note the following.

Setting the water softener
The water softener must be set to correspond to the water hardness in your area. The water hardness can be determined by calling your local water company, or by using a test kit that can be purchased from the Miele Technical service Department.

The salt reservoir must only be filled with water and salt. Never fill it with detergent.

Adding rinse aid
Accidently filling the rinse aid reservoir with detergent will damage the reservoir.

Only use detergents and rinse aids formulated for domestic dishwashers.

Choose the correct program
Wash programs should be selected depending on load size and degree of soiling. See the Program Chart for program descriptions.

Add correct detergent amount
Generally, 1 ½ tablespoons (25 ml) of detergent is enough for most normally soiled loads. Not enough or too much detergent can lead to poor wash results. See “Adding detergent”.

Cleaning results vary among detergent brands. If you are not satisfied with the wash results, try another brand of detergent.

Load dishes correctly
Load dishes so that water can reach all surfaces. Check that the spray arms are not blocked by tall or large items. If necessary, manually rotate the spray arms to check clearance.

The combination filter in the base of the wash cabinet and the spray arms must be kept clean.
These should be regularly inspected and cleaned.

See the “Cleaning and care” section for more detailed information.

Every dishwasher is tested before leaving the factory. Any water remaining in the machine is from these tests and does not indicate that the machine has been used.
Before using for the first time

To open the door

- Press the release catch inside the door grip.

If the door is opened during operation, all functions will be interrupted.

To close the door

- Push the baskets in.
- Lift the door and push until it clicks into position.

Child Safety Lock

The yellow key for the Child Safety Lock is shipped on one of the spikes at the front of the upper basket. Remove the key before using the dishwasher.

The Child Safety Lock is designed to prevent children from opening the dishwasher.

- Use the provided key to lock or unlock the Child Safety Lock.

- Horizontal = the door is locked

- Vertical = the door can be opened
**Water softener**

For good cleaning results the dishwasher needs to operate with soft water. Hard water results in the build up of calcium deposits on dishes and in the dishwasher. If your tap water hardness is above 8 gr/gal (140 ppm), the water should be softened. This takes place automatically in the integrated water softener.

- The water softener must be filled with dishwasher salt for reactivation.
- The dishwasher must be programmed to correspond to the water hardness in your area.
- Your local water authority will be able to advise you of the water hardness level in your area.

If the hardness of your tap water is consistently lower than 8 gr/gal (140 ppm), do not add dishwasher reactivation salt. However, the dishwasher must still be programmed to correspond to the water hardness level in your area.

Where water hardness fluctuates e.g. 9 - 17 gr/gal (160 - 310 ppm), always program the machine to the higher value (17 gr/gal, 310 ppm in this example).

In case of a fault, it will help the service technician to know the hardness of your tap water.

**Enter the water hardness below:**

______________ gr/gal (ppm)
Before using for the first time

Programming and setting the water hardness level

Your water hardness level must be programmed into the dishwasher using the buttons on the control panel. The water hardness selector in the wash cabinet must also be set to the water hardness of your area.

Programming and setting the water hardness level

■ Turn “Off” the dishwasher.
■ Turn the program selector to “Stop”.
■ Hold the “Top Solo” button in and at the same time turn “On” the dishwasher with the “On/Off” button. After 2 seconds release the “Top Solo” button.

The “Salt” indicator flashes.

Note:
If any other indicators flash the process must be repeated.

Except:
If the “Rinse aid” indicator lights then rinse aid was never added or needs to be refilled.

Turn the water hardness level selector to your corresponding water hardness (see table below).

<table>
<thead>
<tr>
<th>gr/gal</th>
<th>ppm</th>
<th>Selector Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 4</td>
<td>20 - 70</td>
<td>Normal 55 °C/130 °F</td>
</tr>
<tr>
<td>5 - 7</td>
<td>90 - 130</td>
<td>Sani Wash</td>
</tr>
<tr>
<td>8 - 10</td>
<td>140 - 180</td>
<td>Normal 65 °C/150 °F</td>
</tr>
<tr>
<td>11 - 14</td>
<td>200 - 250</td>
<td>Light Wash 55 °C/130 °F</td>
</tr>
<tr>
<td>15 - 17</td>
<td>270 - 310</td>
<td>5 o’clock position</td>
</tr>
<tr>
<td>18 - 21</td>
<td>320 - 380</td>
<td>6 o’clock position</td>
</tr>
<tr>
<td>22 - 35</td>
<td>400 - 630</td>
<td>7 o’clock position</td>
</tr>
<tr>
<td>36 - 70</td>
<td>650 - 1260</td>
<td>Energy Saver</td>
</tr>
</tbody>
</table>

The water hardness level selector is preset to 1 - 4 gr/gal (20 - 70 ppm).

Example:
Water hardness level 20 gr/gal.
Turn program selector to the 6 o’clock position.
Press the “Top Solo” button. The “Top Solo” indicator will light.

■ Turn the program selector to “Stop”.

■ Turn “Off” the dishwasher with the “On/Off” button.

The water hardness level is now stored in the program memory.

Setting the water hardness level selector in the wash cabinet

The water hardness level selector in the wash cabinet must be set according to the following table.

Selecting the correct setting will help minimize the effects of dishwashing on glass surfaces. Too high a setting will lead to poor cleaning results and an increase in water spots left on dishes and cutlery.

■ Use a screwdriver to take the cover off the water hardness level selector in the wash cabinet.

Use a coin or screwdriver to adjust the water hardness level selector in the wash cabinet. There is a click as each setting is reached.

<table>
<thead>
<tr>
<th>gr/gal</th>
<th>ppm</th>
<th>Selector Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-7</td>
<td>20 - 130</td>
<td>3</td>
</tr>
<tr>
<td>8-10</td>
<td>140 - 180</td>
<td>2</td>
</tr>
<tr>
<td>11-14</td>
<td>200 - 250</td>
<td>1</td>
</tr>
<tr>
<td>15-70</td>
<td>270 - 1260</td>
<td>0</td>
</tr>
</tbody>
</table>

The selector setting is preset to “3”.

Example:
The water hardness level is 8 gr/gal. The selector setting is 2 (8 - 10 gr/gal).

■ Replace the cover on the water hardness level selector.
Before using for the first time

Checking the programmed water hardness

- Turn off the dishwasher.
- Turn the program selector to “Stop”.
- Hold the “Top Solo” button in and at the same time turn the dishwasher on with the “On/Off” button. With in 2 seconds release the “Top Solo” button.

The “Salt” indicator flashes.

Note:
If any other indicators light or flash the process must be repeated.

Except:
If the “Rinse aid” indicator lights rinse aid was never added or needs to be re-filled.

- Turn the program selector past “Normal 55 °C/130 °F” to “Energy Saver”.

The “Top Solo” indicator will light when the programmed water hardness setting is reached. The water hardness level corresponds to the program selector position (see the table “Programming and setting the water hardness level”).

- Turn the program selector to “Stop”.
- Turn off the dishwasher.
Filling the salt reservoir

If your water hardness level is greater than 8 gr/gal, the salt reservoir should be filled before the first use and when the “Salt” indicator lights. Only use water softener reactivation salt (1 - 4 mm grain size); other salts may contain insoluble additives which can impair the water softener.

The salt reservoir holds approximately 4 lbs (2 kg) of salt.

Inadvertently filling the salt reservoir with dishwashing detergent will damage the water softener. Make sure that only water softener reactivation salt of the proper grain size is used.

To fill the salt reservoir:

- Remove the lower basket.
- Unscrew and remove the salt reservoir cap.
- Before adding salt for the first time, fill the reservoir with approximately 2 quarts (2 l) of water.
- Place the provided funnel over the salt reservoir.
- Carefully fill with salt, grain size of 1 - 4 mm. The salt reservoir holds approximately 4 lbs (2 kg) of salt depending on the brand used. As it is filled, water will run out.
- Clean any excess salt from the threads of the reservoir opening.
- Screw the cap on firmly.

If the dishwasher will not be used immediately after reactivation, run the “Rinse & Hold” program. This will remove any traces of salt from inside the wash cabinet.
Before using for the first time

Salt indicator

When the salt reservoir is empty, the “Salt-PC” indicator will light, indicating that it should be refilled with reactivation salt.

After the reservoir has been filled, the water softener is automatically reactivated the next time the dishwasher is started. The “Softener” indicator will light during this process.

Note:
If your water is soft (below 8 gr/gal) the salt reservoir should not be filled with salt. The indicator will remain lit and should be disregarded or deactivated.

The “Salt-PC” indicator has also been designed so that future program updates can be entered into the dishwasher. See the “After Sales Service”.

Bypassing the Salt indicator

To bypass the salt indicator, you will need a screwdriver and needle nose pliers.

- Remove the salt reservoir cap.

Looking into the salt reservoir, you will see the top of the float chamber on the right hand side ①.

- Using a screwdriver, carefully pivot the float chamber towards the center of the reservoir.
- Using needle nose pliers, pull off the cap ② from the float chamber and remove the float ③.
- Replace the float chamber cap, push the chamber back into its upright position, and replace the salt reservoir cap. The indicator should now remain off.
Rinse aid

Rinse aid is recommended to prevent spotting on dishes and glassware that normally occurs during the drying cycle.

Filling the rinse aid reservoir with detergent will damage the reservoir. Only pour rinse aid formulated for residential dishwashers into the reservoir.

Adding rinse aid

- Add rinse aid before the first use and whenever the "Rinse aid" indicator lights.
- Press the button in the direction of the arrow until the flap springs open.
Pour liquid rinse aid into the reservoir until it is visible on the surface of the screen. Do not refill until the “Rinse aid” indicator lights.

Only use rinse aid labeled for residential dishwashers. Inadvertently adding detergent to the rinse aid dispenser will damage the dispenser.

Press on the flap until you hear it click shut. Failure to close it all the way will allow water to enter the reservoir during the wash program.

Wipe up any spilled rinse aid.

The flap will remain closed during normal operation.

**Rinse aid indicator**

The rinse aid indicator on the control panel will light when the rinse aid reservoir needs refilling.

There will be enough rinse aid left for 2 - 3 washes after it first lights.
Setting the dosage

The dosage selector is preset to 3. This dispenses approximately 3 ml of rinse aid per program. It can be adjusted from 1 to 6, depending on your needs.

- Use a higher setting if spots appear on dry glassware.
- Use a lower setting if streaking appears on dishes or glasses.
Loading the dishwasher

- Do not wash items soiled with ash, wax, grease or paint in the dishwasher. Ash does not dissolve and will be distributed throughout the inside of the dishwasher. Wax, grease and paint will cause permanent discoloration or damage to the dishwasher.

- Scrape food from dishes before placing in the dishwasher but, do not rinse dishes.

- Load dishes so that water can reach all surfaces.

- Do not place dishes and cutlery inside other pieces where they may be hidden.

- Hollow items such as cups and glasses should be inverted and placed in the upper basket.

- Concave based items should be placed at an angle on top of the coffee bar, so that water does not pool.

- To ensure good water coverage tall, narrow, hollow pieces should be placed in the center of the basket, rather than in the corners.

- Small cups and glasses should be placed on the cup racks. Taller mugs and glasses can be placed under the rack.

- The spray arms must not be blocked by items that are too tall or hang through the baskets. Check clearance by manually rotating the spray arms.

- Some food may contain natural dyes that can discolor plastics in the dishwasher (e.g. carrots, tomatoes, ketchup, etc.). The stability of plastic items are not affected by this discoloration.
Loading examples

Upper basket

For small, lightweight, or delicate items such as cups, saucers, glasses, and dessert bowls. Flat pans can also be placed in the upper basket.

Using “Top Solo”

If “Top Solo” has been selected for use with a wash program, all items must be loaded into the upper basket and cutlery tray. If your machine has a cutlery basket, space the items so that water can reach all sides of the cutlery.

Lightly soiled plates or platters can also be placed in the lower basket if they are spaced. Do not place dishes, pans or other hollow items in the lower basket when using “Top Solo”.

See “Additional features” for more information on “Top Solo”.

Long items such as soup ladles, mixing spoons and knives should be placed across the front of the top basket.
Loading the dishwasher

Adjustable cup racks

To make room for tall glasses raise the rack and lower it to double stack smaller pieces.

Coffee bar (select models)

To allow water to run off the bottom of coffee mugs, place slanted on top of the coffee bar. The bar can also be used to separate two rows of glasses to protect them from leaning against each other. To stack wide items, flip the bar to the right.
Adjusting the upper basket

The upper basket height is adjustable. If tall items are being washed, more room can be created by raising or lowering the upper basket.

Do not set the angle to the extreme; one side at the highest setting and one side at the lowest. This will block the middle spray arm.

- Slide the upper basket out.
- Pull up the levers at the sides of the upper basket and adjust the basket height.
- Release the levers and the basket will lock in place.

Depending on the setting of the upper basket, the following plate dimensions can be accommodated:

<table>
<thead>
<tr>
<th>Upper Basket position</th>
<th>Plate diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Upper basket</td>
</tr>
<tr>
<td>Upper</td>
<td>7 3/4&quot;</td>
</tr>
<tr>
<td></td>
<td>20 cm</td>
</tr>
<tr>
<td>Middle</td>
<td>8 1/2&quot;</td>
</tr>
<tr>
<td></td>
<td>22 cm</td>
</tr>
<tr>
<td>Lower</td>
<td>9 3/8&quot;</td>
</tr>
<tr>
<td></td>
<td>24 cm</td>
</tr>
</tbody>
</table>
**Loading the dishwasher**

**Lower basket**

For larger and heavier items such as plates, serving platters, saucepans, bowls, etc. Small items such as suckers can also be placed in the lower basket. Do not place delicate glassware in the lower basket unless a special glassware insert is installed.

**Height limit**

The guide of the upper basket determines the maximum height for items placed in the lower basket so that the middle spray arm is not blocked.

**Bottle holder (select models)**

The bottle holder e.g. for milk and baby bottles, can be inserted into the bottom basket in more than one place. Position in any area marked white in the illustration. Do not position in areas marked “X”; water cannot adequately cover bottles in these areas.
Cutlery

For best results cutlery should be grouped in zones, one for knives, one for forks, etc. making unloading easier.

Place the blades of knives and the tines of forks between the holders. Spoons should be placed in the opposite direction with the handles between the holders.

Longer items such as soup ladles, mixing spoons and long knives should be placed lengthwise in the indentation in the middle of the cutlery tray.

The upper spray arm must not be blocked.

The cutlery tray insert is removable (select models).

Spoon heads should be placed so that water runs off freely.

If the spoon handles do not fit between the holders then position them like the forks and knives.
Items not suitable for dishwashers:

- Cutlery with wooden handles.
- Wooden cutting boards.
- Glued items such as old knives with handles that are glued together around the shank of the blade.
- Hand made craft items, antique or decorative glassware.
- Copper, brass or tin.
- Plastic items that are not heat resistant.

Please note:

- Silver or aluminum items may tarnish.
- Silverware previously cleaned with a silver polish may be damp or spotted at the end of a program where water has adhered to the polish. This can be rubbed off with a soft, dry cloth. Silver that has been cleaned in an immersion dip is usually dry at the end of a program, but may tarnish.
- If let to dry, foods containing sulfur can discolor silver. These include egg yolk, onions, mayonnaise, mustard, legumes, fish, fish brine and marinades.
- Color painted over the glaze of dishes may fade over time.
- Clouding or etching may occur on glasses after frequent washing.

Miele recommends:

- Wash delicate glassware using the “Economy” program or the “China & Crystal” program to reduce the risk of clouding.
- There are no standard guidelines for washing glassware but, when in doubt wash by hand.
- When purchasing new dishes and cutlery, make sure they are dishwasher safe.
- If crystal or delicate glasses will be washed frequently, connect the dishwasher to cold, rather than hot water.
Operating the dishwasher

Adding detergent

Only use powder detergents or tablets formulated for residential dishwashers. Do not use gels or liquid detergents.

- Press the latch on the detergent dispenser. The cover will spring open.

- Fill the dispenser with 1 ½ tablespoons of powder detergent, or place a detergent tablet into compartment II.

- Close the cover. The cover will always be open at the end of a wash program (except “Rinse & Hold”).

Generally, filling the dispenser with 1 ½ tablespoons (25 ml) of detergent is enough for most normally soiled loads. For heavily soiled loads, or if food has dried on the dishes, a program containing a prewash cycle should be selected. Add an extra tablespoon (15 ml) of detergent to compartment I, or place directly on the inner door panel.

Dishwasher detergents contain irritant and corrosive ingredients. They can cause burns in the mouth and throat if swallowed, or inhibit breathing. Keep children away from detergent and from the dishwasher when the door is open.

To prevent children from coming into contact with dishwasher detergent, do not fill the detergent dispenser until you are ready to start the dishwasher.

Capacities:
Compartment I (prewash) holds a maximum of 3/4 ounce (20 ml) and Compartment II (main wash) holds a maximum of 2 3/4 ounces (70 ml) when completely filled. The horizontal marks in Compartment II indicate levels of approximately 3/4, 1, and 1 1/4 ounces (20, 25 and 30 ml) respectively.
Program selection

Choose a wash program depending on the type of dishes and the degree of soiling.

In most cases the “Light Wash”, “Normal” or “Sani Wash” program will give excellent results.

Available programs and their applications are listed in the Program Chart. The “Top Solo” feature can be used with each of these programs.

For further information on “Top Solo”, see “Additional features”.

“Energy Saver” Program

Approximately 0.20 kWh of electricity is used during this cycle.

- Use this program for light to normally soiled dishes. The water is not heated in this program.

The dishwasher must be connected to hot water of at least 45 °C/115 °F for this program to clean well.

The drying result may not match that of a program with a full drying cycle.

The higher the temperature of the incoming water, the better the washing and drying results will be.

- Opening the door of the dishwasher 2-3 inches (5-6 mm) at the end of the program will speed drying.
Turning on the dishwasher

- Close the door.
- Open the water valve (if closed).
- Press the “On/Off” button (14).

The indicator next to the “Start” button will be lit.

Starting a program

- Select the desired wash program. Refer to the program chart for help in selecting a program.
- Select the “Delay start” and/or and “Top Solo” feature if desired. (see “Additional features”).
- Press the “Start” button (20).

The wash program will begin, and the “Start” indicator (20) will go out. The lights next to the Program Sequence indicators (15) will illuminate as each stage of the wash program is reached.

To prevent children from coming into contact with detergent, only place it in the dispenser immediately before starting the program.

When required, the water softener reactivation process is performed automatically before the wash program begins and may last several minutes. During this process the “Softener” indicator will light. Once completed, the program will start as usual.

The hardness of the water supply will determine how often the water softener needs to be reactivated. For example, with a water hardness of 21 gr/gal, reactivation will take place after every 3 programs. With a water hardness of 8 gr/gal, reactivation will only take place after 11 programs.
End of a program

When a program has finished, the “End” sequence indicator will light. The dishwasher can now be opened and unloaded (see “Unloading the dishwasher”).

If the dishes are not needed immediately, leaving the door closed will allow the fan to run for a few more minutes for thorough drying.

If dishes are needed immediately, the drying process can be accelerated by opening the door a few inches after the “End” indicator has lit.

When the door is closed again, the “End” indicator will go out and the “Start” indicator will light.

The next wash program can now be started.

Program sequence indicators (15)
The “Rinse” indicator will light during the Prewash, Main wash, Interim rinse and Final rinse cycles.

The “Drying” indicator only lights during the Drying cycle.

The “End” indicator will light when the program has finished.

Turning off the dishwasher

At the end of a program:

■ Turn the Program Selector (18) to “Stop”.

The “End” indicator (15) will turn off and the “Start” indicator (20) will come on.

The Miele dishwasher Waterproof System is designed to shut off the water flow and drain the machine in the rare event of a valve failure. For this to be active, the door must be shut and the machine must be “On” (not running). The “Start” indicator will remain lit to indicate that the Waterproof System is activated.

To deactivate the Waterproof System and turn off the “Start” indicator, turn the dishwasher off using the “On/Off” button. If the dishwasher will not be used for an extended period (e.g. while on vacation), the water valve should be shut off.
Interrupting a program
A program can be interrupted by opening the door. Once the door is closed, the program will continue from the point it was at when the door was opened.

Warning!
The water in the dishwasher may be hot, and steam may be present! Only open the door if absolutely necessary and exercise extreme caution when doing so. There is a danger of being burned.

Changing a program
If a program has already started and you wish to change it proceed as follows:

- Turn the program selector (18) to the “Stop” position.
- Leave the program selector (18) in this position for at least one second.
- Then turn the program selector (18) to the program you wish to use.
- Press the “Start” button (20).

The program starts.
Operating the dishwasher

Additional features

Top Solo (16)
“Top Solo” is recommended when there is only a small load to clean that will fit in the upper basket and cutlery tray. With this function most of the water jets are aimed at items in the upper basket and cutlery tray.

Note:
Lightly soiled plates or serving platters can be placed in the bottom basket if there are large spaces between pieces. Do not place dishes, bowls or other hollow containers in the bottom basket. Adjusting the upper basket to its lowest position will allow it to accommodate larger plates.

Because smaller loads are being washed, the amount of detergent used can be reduced to 2/3 the normal amount of detergent. When reducing the amount of detergent make sure that the cleaning result is not affected. Using “Top Solo” will also save water and energy.

“Top Solo” can be used with any wash program as follows:

■ Turn on the dishwasher using the “On/Off” button (14). The “Start indicator” (20) will light.

■ Select a program.

■ Press the “Top Solo” button (16). The “Top Solo” indicator (16) will light.

■ Press the “Start” (20) or “Delay Start” (19) button. The “Start” indicator will go out and the “Rinse” and “Top Solo” indicators will light.
Delay start (19)
The start time of a program can be delayed up to 9 hours, in 1 hour periods.

To set a delay time:
■ Turn on the dishwasher using the “On /Off” button (14).
■ Select the desired wash program.
■ Press the “Delay Start” button (19).
A “1” will appear in the Time Display (17), indicating that the program start will be delayed for one hour.
■ Press the “Delay Start” button repeatedly until the desired time delay appears. If the button is held down, the display will automatically advance in 1 hour periods.

■ “Top Solo” can also be selected now, if needed.
■ Press the “Start” button (20).
The display will count down in 1 hour periods until the time delay has elapsed. The selected program will then start automatically.

To cancel the “Delay Start” or “Top Solo” features, turn the Program Selector to “Stop” and hold for 2 - 3 seconds. A new program can now be started in the usual way.

To prevent children from coming into contact with detergent, only place detergent in the dispenser immediately before starting the program. When using the “Delay Start”, activate the Child Safety Lock.
Unloading the dishwasher

- Dishes tend to break and chip more easily when hot. Let dishes cool until they are comfortable enough to handle before unloading.

- Dishes will cool much faster if the dishwasher door is opened a few inches after a program has finished.

- First unload the lower basket, then the upper basket and cutlery tray. This will prevent water drops from the upper basket and cutlery tray from falling on dishes in the lower basket.
Cleaning the filters in the wash cabinet

The combination filter in the base of the wash cabinet should be regularly inspected and cleaned, every 4 - 6 months. Any broken glass or dishware should be removed immediately.

**Use caution when cleaning the filters, non-return valve or drain pump; glass or bone splinters may be caught in the bottom of the wash cabinet.**

- Turn off the dishwasher.
- Turn the handle counterclockwise to release the filters.
- Lift the combination filter out of the machine. Remove any coarse particles and rinse under running water. A nylon brush can be used.
Turn the combination filter over and open the coarse filter cover by pulling back on the locking tab.

After cleaning, make sure that the coarse filter cover is properly locked in place.

Return the combination filter so that it lies flat in the base of the dishwasher. Secure it by turning the handle clockwise.
Cleaning the spray arms

Sometimes particles of food get stuck in the spray arm jets. The spray arms should be inspected and cleaned every 4 - 6 months.

■ Turn off the dishwasher.

Remove the spray arms as follows:

■ Take out the cutlery tray.

■ Press the top spray arm upwards to engage the inner ratchet and unscrew the spray arm.

■ Lift up the middle spray arm ①, to engage the ratchet and unscrew the spray arm ②.

■ Pull the lower spray arm firmly upwards to remove.

■ Use a pointed object such as a toothpick to push food particles into the spray arm jets.

■ Rinse thoroughly under running water.

■ Return the spray arms and check that they rotate freely.
Cleaning and care

Cleaning the wash cabinet
Generally, the wash cabinet is self cleaning, provided that the correct amount of dishwasher detergent is used.

If lime scale or grease deposits form, they can be removed with a dishwasher cleaner.

Cleaning the door and the door seal
- Wipe the door seal with a damp cloth to remove any food particles.
- Food residue and spilt liquids should be wiped from the sides of the dishwasher door. These are outside of the wash cabinet and are not cleaned by water from the spray arms.

Cleaning the control panel
- Clean the control panel with a damp cloth and mild detergent.

Do not use abrasive, all purpose, or glass cleaners, they may damage plastic surfaces.

Cleaning the door panel
- Plastic laminate panels should be cleaned using a non-abrasive cleaner, or mild soapy water.
- Panels made from wood should be cleaned using a soft damp cloth and an appropriate wood cleaner.
Problem solving guide

With the aid of the following guide, minor problems can be corrected without a service call.

Any work required on the electrical components of the appliance should only be performed by a qualified and trained person in accordance with local and national regulations. Unauthorized repairs could be dangerous.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>The “Start” indicator does not light after pressing the On/Off button.</td>
<td>The door is not closed tightly.</td>
<td>Close the door completely.</td>
</tr>
<tr>
<td></td>
<td>The machine is not plugged in.</td>
<td>Insert the plug.</td>
</tr>
<tr>
<td></td>
<td>The circuit breaker is defective or has “tripped”.</td>
<td>Reset the circuit breaker.</td>
</tr>
<tr>
<td>The “Start” indicator light is on, but the dishwasher is not running.</td>
<td>The program selector is in the “Stop” position.</td>
<td>– Turn the program selector to the desired program.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Press the “Start” button.</td>
</tr>
<tr>
<td>The dishwasher stops during a program</td>
<td>The circuit breaker has “tripped”.</td>
<td>Reset the circuit breaker.</td>
</tr>
<tr>
<td>The “Intake/Drain” indicator lights during the “Energy Saver” program.</td>
<td>The water entering the machine is not at the minimum temperature of 45 °C/115 °F.</td>
<td>– Restart the program.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– If the indicator lights again, select a different program.</td>
</tr>
<tr>
<td>Problem</td>
<td>Possible cause</td>
<td>Remedy</td>
</tr>
<tr>
<td>---------</td>
<td>---------------</td>
<td>--------</td>
</tr>
</tbody>
</table>
| The “Intake/Drain” indicator light flashes, and the program stops. | | Before searching for the problem:  
– Turn the program selector to “Stop”.  
– Turn the dishwasher off using the “On/Off” button. |
| Not enough water is entering the machine. | | – Open the water valve completely.  
– Check the intake filter and clean if necessary; see “Cleaning the intake filter”.  
– Check the water level and increase the intake time if necessary; see “Checking the water level”. |
| Drainage is restricted - water remains in the dishwasher at the end of a program. | | – Check for kinks in the drain hose.  
– Clean the drain pump and non-return valve; see “Cleaning the drain pump and non-return valve”.  
– Clean the combination filter; see “Cleaning the dishwasher filters”.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>The “End”, “Start” and “Top Solo” indicators flash simultaneously.</td>
<td>A service call may be needed.</td>
<td>– Turn the program selector to “Stop”.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Turn off the dishwasher using the “On/Off” button.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>After 5 seconds:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Turn the dishwasher back on.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Turn the program selector to the desired program.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Press the “Start” button.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>If the indicator lights flash again:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Call the Miele Technical Service Dept.</td>
</tr>
<tr>
<td>Knocking noise from within the dishwasher.</td>
<td>The spray arm is hitting an item in the basket.</td>
<td>Interrupt the program and rearrange items obstructing the spray arms.</td>
</tr>
<tr>
<td>Rattling from within the dishwasher.</td>
<td>The dishes are moving around inside the dishwasher.</td>
<td>Interrupt the program and secure the items inside.</td>
</tr>
<tr>
<td>A whistling noise is heard during the program</td>
<td>The circulation pump seal sometimes makes a whistling noise. This may be caused by the detergent.</td>
<td>This is not a problem. Try other detergents. Consult the Miele Technical Service Department if the noise is persistent.</td>
</tr>
<tr>
<td>Knocking noise in the water pipes</td>
<td>This may be caused by the installation or the or the piping.</td>
<td>This has no affect on dishwasher. If in doubt contact a plumber.</td>
</tr>
</tbody>
</table>
## Problem solving guide

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible cause</th>
<th>Remedy</th>
</tr>
</thead>
</table>
| The dishes are not clean. | The dishes were not loaded correctly.  
- Were the dishes placed inside of each other?  
- Could water reach all surfaces? | See “Loading the dishwasher”. |
<p>| | The water feed for the middle spray arm was covered. | Make sure that dishes placed at the rear of the upper basket do not cover the water feed tube. |
| | Not enough detergent was used. | Use more detergent; see “Adding detergent”. |
| | The program selected was not intensive enough. | Select a more intensive program; see the “Program chart” for guidelines. |
| | The spray arm jets are clogged. | Clean the spray arms; see “Cleaning the spray arms”. |
| | The combination filter inside the dishwasher is clogged or not seated correctly. | Clean and/or reseat the filter. See “Cleaning and care”. |
| | The drain pump or non-return valve may be blocked. | See “Cleaning the drain pump and non-return valve”. |
| | Not enough water may be entering the dishwasher. | See “Checking the water level”, increase the water intake time if needed. |</p>
<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tea, coffee, or lipstick stains have not been removed.</td>
<td>The selected wash temperature was too low.</td>
<td>Select a program with a higher wash temperature.</td>
</tr>
<tr>
<td></td>
<td>Old or non-chlorinated detergent was used.</td>
<td>Use fresh detergent containing chlorine.</td>
</tr>
<tr>
<td>Plastic items are discolored.</td>
<td>Natural dyes from carrots, tomatoes or ketchup may be the cause. The amount or type of detergent used was not sufficient to deal with these dyes.</td>
<td>Use an adequate amount of detergent containing chlorine. See “Adding detergent”.</td>
</tr>
<tr>
<td>White residue is visible on cutlery and dishes, and clouding is evident on glasses; the residue can be wiped off.</td>
<td>Not enough rinse aid was dispensed.</td>
<td>See “Adding rinse aid” to increase the dosage.</td>
</tr>
<tr>
<td></td>
<td>There is no salt in the reservoir.</td>
<td>The “Salt - PC” indicator is lit. See “Filling the salt reservoir”.</td>
</tr>
<tr>
<td></td>
<td>The water softener is set too low.</td>
<td>Adjust to a higher setting; see “Before using the first time”.</td>
</tr>
<tr>
<td></td>
<td>The salt reservoir cap is not screwed on properly.</td>
<td>Screw the cap on firmly.</td>
</tr>
<tr>
<td></td>
<td>Phosphate-free detergent was used.</td>
<td>Try a detergent containing phosphates.</td>
</tr>
<tr>
<td>The dishes are not dry or there is streaking on glasses and cutlery</td>
<td>Not enough rinse aid was dispensed or the rinse aid reservoir is empty.</td>
<td>Increase the dosage or add rinse aid; see “Adding rinse aid”.</td>
</tr>
<tr>
<td></td>
<td>The dishes were unloaded too soon.</td>
<td>Allow dishes to cool before unloading them; see “Unloading the dishes”.</td>
</tr>
<tr>
<td>Glasses are dull and discolored and the film can not be wiped off.</td>
<td>Glasses are not dishwasher safe.</td>
<td>This is permanent and cannot be reversed. Always use dishwasher safe glasses.</td>
</tr>
<tr>
<td>Problem</td>
<td>Possible cause</td>
<td>Remedy</td>
</tr>
<tr>
<td>------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td>There are smears on glasses and cutlery, or a bluish sheen on the sur-</td>
<td>The rinse aid dosage is too high.</td>
<td>Reduce the dosage setting. See “Adding rinse aid”.</td>
</tr>
<tr>
<td>face of glasses. The film can be wiped off by hand.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>There are rust stains on cutlery.</td>
<td>Cutlery is not corrosion resistant or the surface of the cutlery is scratched</td>
<td>There is no remedy. Always purchase dishwasher safe cutlery.</td>
</tr>
<tr>
<td></td>
<td>or pitted.</td>
<td></td>
</tr>
<tr>
<td>The detergent dispenser lid can not be closed.</td>
<td>Detergent residue may be blocking the latch.</td>
<td>Remove the residue.</td>
</tr>
<tr>
<td>Detergent remains in the dispenser at the end of a program.</td>
<td>The dispenser was damp when detergent was added.</td>
<td>Make sure the dispenser is dry before adding detergent.</td>
</tr>
<tr>
<td>Water remains inside of the dishwasher at the end of a program.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>The drain hose is kinked.</td>
<td>Remove the kink.</td>
</tr>
<tr>
<td></td>
<td>The drain pump or the non-return valve may be blocked.</td>
<td>See “Cleaning the drain pump and non-return valve”.</td>
</tr>
<tr>
<td></td>
<td>The combination filter in the dishwasher is clogged.</td>
<td>See “Cleaning and care”.</td>
</tr>
</tbody>
</table>
Cleaning the water intake filter

A filter is incorporated in the intake hose attached to the dishwasher’s shut-off valve. If your water is hard, or the pipes contain sediment; this filter may clog and prevent enough water from entering the wash cabinet. It can be cleaned as follows:

The plastic valve housing on the intake hose contains electrical components and should not be immersed, or run through water.

Cleaning the filter:

Disconnect the dishwasher from electricity (unplug it or “trip” the circuit breaker).

■ Turn off the main shutoff valve and unscrew the intake hose.

■ Carefully remove the rubber seal.

■ Remove the filter using needle nose pliers and rinse under running water.

■ Return the filter and seal. Make sure they are seated correctly.

■ Screw the intake hose back on the water valve, checking that it is not cross-threaded.

■ Slowly turn on the valve and test for leaks.

Installing an in-line water filter.

■ If your water contains a large number of insoluble substances, a filter between the valve and the intake hose connection is recommended. These filters can be purchased from the Miele Technical Service Department.
Solving problems

Checking the water level

If the water pressure is less than 15 psi, not enough water will flow into the wash cabinet.

- To check the water level, open the water valve completely and run the “Rinse & Hold” program once (without dishes), to bring water into the system.

- Run the “Rinse & Hold” program again. After approximately 3 minutes, open the door and remove the lower basket from the machine.

The water level is correct when dimension “X” is at least 1/8” (4 mm).

- If it measures less, the water intake time must be increased (see the following page).
Increasing the water intake time

To increase the water intake time, proceed as follows:

■ Turn off the dishwasher using the "On/Off" button.
■ Turn the program selector to “Stop”.
■ Press the “Top Solo” button while simultaneously turning the machine “On”. Release the “Top Solo” button within 2 seconds. The “Salt - PC” indicator light should blink.

If any other lights are blinking, repeat the process.

■ Turn the program selector to “Economy 55 °C/130 °F”.
  – If the “Top Solo” indicator does not light, the water intake time is set to normal.
  – If the “Top Solo” indicator lights, the increased water intake time is set.
■ To change the setting, press the “Top Solo” button.

The “Top Solo” indicator light will illuminate or go out each time the button is pressed.

■ Turn the program selector to “Stop”.
■ Turn off the dishwasher.

The modified intake time is now stored.
Cleaning the drain pump and non-return valve

Use caution when cleaning the filters, non-return valve or drain pump; glass or bone splinters may be caught in the bottom of the wash cabinet.

If the dishwasher is not completely drained at the end of a program, the drain pump or non-return valve may be blocked.

To clean them:

■ Remove the combination filter.

■ Use a jug or bowl to scoop water out of the wash cabinet.

■ Tilt the locking clamp to the side.
- Pull out the non-return valve.
- Rinse the non-return valve under running water.

The drain pump is situated under the non-return valve (see arrow).

- Before returning the non-return valve, check to make sure that the drain pump is not obstructed. Spin the propeller several times in both directions; it should turn smoothly.
- Carefully refit the non-return valve and secure it with the locking clamp.
- Refit and secure the combination filter.
After sales service

If you are unable to resolve a problem or if the appliance is under warranty, please contact your Miele Dealer or the Miele Technical Service Department. (See back cover for telephone numbers).

Please have the model and serial number of the appliance available. These can be found on the data plate on the upper inside edge of the dishwasher door.

Program update function - PC

The “PC” indicator has the function of Program Correction (PC). This allows a technician to update the programming of the dishwasher to make use of new technological developments.

For example, if a detergent that gives good wash results using only cold water were to become available, the wash programs can be modified to take advantage of this.
To make the most of your dishwasher

<table>
<thead>
<tr>
<th>If you would like...</th>
<th>then you need...</th>
</tr>
</thead>
<tbody>
<tr>
<td>...to wash bottles,</td>
<td>... a bottle holder</td>
</tr>
<tr>
<td>e. g. milk or baby bottles</td>
<td></td>
</tr>
<tr>
<td>... to wash long stemmed glassware</td>
<td>... a glassware insert for the upper basket</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Transport

To transport the dishwasher, e.g. when moving to a new home, note the following:

– Empty the dishwasher,
– Secure any loose parts, e.g. hoses, cables, cutlery baskets.
– Transport the dishwasher in the upright position. If unavoidable it may be transported on its back. Do not transport it on its side or on the door because residual water in the machine will leak. This residual water could get into the electronic unit and cause damage.
### Series designation HG01

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>33 1/16&quot; (84 cm [adj + 2&quot;/5.0 cm])</td>
</tr>
<tr>
<td>Width</td>
<td>23 9/16&quot; (59.8 cm)</td>
</tr>
<tr>
<td>Width of cabinet opening</td>
<td>23 5/8&quot; (60 cm)</td>
</tr>
<tr>
<td>Depth</td>
<td>22 7/16&quot; (57 cm)</td>
</tr>
<tr>
<td>Depth with door open</td>
<td>47 7/16&quot; (120.5 cm)</td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 121 lbs./55 kg</td>
</tr>
<tr>
<td>Voltage</td>
<td>110/120 V AC</td>
</tr>
<tr>
<td>Rated load</td>
<td>12.5 A / 1500 W</td>
</tr>
<tr>
<td>Fuse rating</td>
<td>15 A</td>
</tr>
<tr>
<td>Water pressure</td>
<td>15 - 150 psi (1 – 10 bar)</td>
</tr>
<tr>
<td>Water connection</td>
<td>max. 140 °F (60 °C)</td>
</tr>
<tr>
<td>Drain height</td>
<td>max. 39&quot; (1 m)</td>
</tr>
<tr>
<td>Drainage length</td>
<td>max. 13 ft (4 m)</td>
</tr>
<tr>
<td>Connection cable</td>
<td>approx. 66&quot; (1.7 m)</td>
</tr>
<tr>
<td>Capacity</td>
<td>14 place settings</td>
</tr>
</tbody>
</table>
# Program chart

<table>
<thead>
<tr>
<th>Program</th>
<th>When to use</th>
<th>Detergent</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>chlorine free 1)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Compart-ment II (Wash cycle)</td>
</tr>
<tr>
<td>Normal 3) 55 °C/130 °F</td>
<td>for normal everyday loads</td>
<td>100 %</td>
</tr>
<tr>
<td>Sani Wash</td>
<td>as Normal 55 °C/130 °F but with longer wash time for heavily soiled loads, also suitable for chlorine free detergents</td>
<td>100 %</td>
</tr>
<tr>
<td>Normal 65 °C/150 °F</td>
<td>as Normal 55 °C/130 °F, but at a higher temperature for stubborn dried on food</td>
<td>100 %</td>
</tr>
<tr>
<td>Light Wash 55 °C/130 °F</td>
<td>for normal everyday loads, particularly suitable for chlorine free detergents</td>
<td>100 %</td>
</tr>
<tr>
<td>Economy 55 °C/115 °F</td>
<td>for normal everyday loads, particularly energy saving program</td>
<td>100 %</td>
</tr>
</tbody>
</table>

**Special Program**

<table>
<thead>
<tr>
<th>Program</th>
<th>When to use</th>
<th>Detergent</th>
</tr>
</thead>
<tbody>
<tr>
<td>China &amp; Crystal 45 °C/115 °F</td>
<td>“Gentle program”, for lightly soiled and heat sensitive tableware.</td>
<td>50 %</td>
</tr>
<tr>
<td>Rinse &amp; Hold</td>
<td>For rinsing dishes when a complete cycle is not needed.</td>
<td>100 %</td>
</tr>
<tr>
<td>Energy Saver</td>
<td>for lightly to normally soiled dishes only select Energy Saver if the dishwasher is connected to a hot water supply (min. temperature 45 °C/115 °F). - see “Choosing a program”</td>
<td>100 %</td>
</tr>
</tbody>
</table>

The dispensing method will depend on the type of detergent being used.

1) Use this ratio for:

- detergent which is chlorine and phosphate free
- detergent which is chlorine free but contains phosphates

**In this instance the whole amount is placed in compartment II.**

2) Use this ratio for:

- powder detergent which contains chlorine and phosphates.

**Divide the total amount, as shown, between compartment I and compartment II.**

When washing a full load in the Normal program, the Sani Wash program, the Light Wash program or the Economy program at least 1 ½ tablespoons (25 ml) of detergent are required.
<table>
<thead>
<tr>
<th>Program cycle</th>
<th>Usage</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Electric (kWh)</td>
<td>Water Liters/Gallons</td>
</tr>
<tr>
<td>1. Preliminary pre-wash</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>2. Preliminary pre-wash</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Main wash</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Interim rinse</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Final rinse</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Drying</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Cold water connection (10 °C/50 °F)</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Hot water connection (49 °C/120 °F)</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

If “Top Solo” is selected, the appropriate amount of detergent according to the level of soiling should be added to compartment II only (approx. 2/3 of the total amount required for a full load).

3) Standard program for comparison tests
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