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Before you switch ON
the appliance
Please read the operating and installation
instructions carefully. They contain
important information on how to install, use
and maintain the appliance.
Retain all documents for subsequent use
or for the next owner.

Delivery
– Check the packaging and dishwasher
immediately for damage caused in
transit. Do not switch on a damaged
appliance, but contact your supplier.
– Please dispose of the packaging
material in an environmentally friendly
manner.
– Do not let children play with packaging
and its parts. There is a risk of
suffocation from collapsible boxes and
film.

Installation
Read the “Installation” chapter to learn
how to install and connect the appliance
correctly.

In daily use
– This appliance is intended for use in
the home and the home environment.
– Use the dishwasher
only in the household and only for its
designed purpose: for washing
domestic dishes.
– Children or people whose physical,
sensory or mental abilities prevent
them from using the appliance safely
must not use this appliance without
supervision or instruction
by a responsible person.
– Do not lean or sit on the open door.
The appliance could tip.
– Please note that free-standing
appliances may tip over if the baskets
are overloaded.
– Do not add any solvents
to the washing chamber.
Danger of explosion!
– Open the door carefully
when the programme is still running.
There is a risk of hot water spraying
out of the appliance.
– To prevent injuries, e.g. caused by
stumbling, open the dishwasher only
briefly in order to load and unload
the dishwasher.
– Read and observe the safety
information and instructions
for use on the packaging for cleaning
and rinsing agents.

Knives and other utensils with sharp points
must be placed in the cutlery basket with
the points downwards or horizontally on
the knife shelf *

Children in the household
– If fitted, use the childproof lock. An
exact description can be found in the
back of the envelope.
– Do not allow children to play with or
operate the appliance.
– Keep children away from detergents
and rinse aid. These may cause
chemical burns in the mouth, throat
and eyes or asphyxiation.
– Keep children away from open
dishwasher. The water in the rinsing
compartment is not drinking water and
could contain detergent residue.
– Ensure that children do not place
fingers in the tablet collecting tray.
Small fingers could become caught in
the slots.
– If the appliance is installed at eye-level,
ensure when opening and closing the
door that children are not caught or
crushed between the appliance door
and the cupboard door situated below.

Childproof lock (door lock)
The description of the childproof lock is at
the back in the envelope.

* depending on model
Childproof lock (button lock)

You can secure your appliance from being unintentionally the programme terminated (e.g. improper operation by children).

Activating the button lock:
– Start the required programme.
– Hold down the button + for approx. 4 sec. until this ‘–’ is indicated on the digital display.

If any button is pressed while the programme is running, this ‘–’ is indicated on the digital display. It is not possible to end (Reset) the programme.

Deactivating the button lock:
– Hold down the button + for approx. 4 sec. until the display ‘–’ goes out.

When the programme ends (‹‹ on the digital display), the button lock is cancelled. If there is a power failure, the button lock is retained. Whenever a programme is restarted, the button lock must be reactivated.

Damage
– The appliance may be repaired and opened up by a technician only. To do this, disconnect the appliance from the power supply. Pull out the mains plug or switch off the fuse. Turn off the tap.

Disposal
– Make redundant appliances unusable to prevent subsequent accidents.
– Dispose of the appliance in an environmentally friendly manner.

Warning
Children could become locked in the appliance (risk of suffocation) or find themselves in other dangerous situations. Therefore: Pull out the mains plug, sever and dispose of the power cord. Destroy the door lock so that the door can no longer be closed.

Diagrams of the control panel and the interior of the appliance can be found in the envelope at the front.

Getting to know your appliance

**ON/OFF switch
**Programme buttons
*Door opener
@Timer programming
HAdditional options
PSTART button
XDisplay “Check water supply"
`Salt refill indicator
hRinse aid refill indicator
1Digital display
1Top basket
1*Knife shelf
12Tablet collecting tray
1:Top spray arm
1BBottom spray arm
1JDispenser for special salt
1RFilters
1ZCutlery basket
1bBottom basket
1jDispenser for rinse aid
9Detergent dispenser
9*Lock for detergent dispenser
92Rating plate
To ensure good washing results, the dishwasher requires soft water, i.e. containing low amounts of lime, otherwise white limescale will be deposited on the utensils and inner container.

Tap water above 9° Clarke must be softened. The water is softened with salt (regeneration salt) in the water softening system of the dishwasher.

The setting and therefore the required amount of salt depends on the degree of hardness of your tap water (see table).

| Setting | The amount of salt dispensed can be set from "..." to "...".
|---------|------------------|
| • | Salt is not required at the set value "...".

– Find out about the hardness value of your tap water. Your water utility company will help you with this.
– Set value can be found in the water hardness table.
– Close the door.
– Switch ON/OFF switch (•).
– Hold down programme button # and press START button P until •: "..." is indicated on the digital display.
– Release both buttons.
The LED for button # flashes and the digital display (•) displays the factory setting •: "...".

To change the setting:
– Press programme button 3.
Each time the button is pressed, the set value increases by one level; when the value of •: "..." has been reached, the display jumps back to •: "..." (off).
– Press START button P.
The chosen setting has now been stored.

Water hardness table

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<td>g175/g197</td>
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...
Using special salt

Always refill with special salt immediately before switching on the appliance. This ensures that overrun special salt solution is immediately washed out and does not corrode the rinsing tank.

– Open the screw-type cap of the compartment 1J.
– Fill the tank with water (only required when switching on the appliance for the first time).
– Then add dishwasher salt (not table salt or tablets). The water is displaced and runs out.

As soon as the salt refill indicator on the fascia is lit, top up the salt.

* depending on model

Detergents with salt component

Using detergents with salt component

If combined detergents with a salt component are used, salt can usually be omitted up to a water hardness of 21° dH (37° fH, 26° Clarke, 3.7 mmol/l). If the water hardness is over 21° dH, special salt must be used.

Switching off water softening system

Switching off salt refill indicator/water softening system

If the salt refill indicator is impaired (e.g. when using combined detergents containing salt component), it can be switched off.

– Proceed as described under “Adjusting the water softening system” and set the value to • • •
  ❌
  The water softening system and salt refill indicator are now switched off.

Warning

Never fill the salt dispenser with detergent. You will destroy the water softening system.
As soon as the rinse-aid refill indicator is lit on the fascia, there is still a rinse-aid reserve of 1 – 2 rinsing processes. Refill with rinse aid.

The rinse aid is required for stain-free utensils and clear glasses. Use only rinse aid for domestic dishwashers.

Combined detergents with rinse-aid component may be used up to a water hardness of 21° dH (37° fH, 26° Clarke, 3.7 mmol/l) only. If the water hardness is over 21° dH, rinse aid must be used.

– Open the dispenser by pressing and lifting the plate on the cover.
– Carefully pour rinse aid up to the max. mark in the filler opening.
– Close cover until it clicks shut.
– To prevent excessive foam formation during the next rinse cycle, remove any rinse aid which has run over with a cloth.

Setting amount of rinse aid

The amount of rinse aid can be set from \( \frac{1}{4} \) to \( \frac{3}{4} \). Please set rinse aid on \( \frac{3}{4} \) to obtain very good drying results (\( \frac{1}{4} \) is already set in factory). Change this setting, only if streaks (select lower setting) or water stains (select higher setting) are left on the utensils.

– Close the door.
– Switch on ON/OFF switch (\#).
– Hold down programme button \# and press START button \( P \) until \( \bullet \) : ..... is indicated on the digital display.
– Release both buttons.

The LED for button \# flashes and the digital display \( \)" displays the factory setting \( \bullet \) : ....... .

– Press programme button \# until the factory set value \( \frac{3}{4} \) is indicated on the digital display \( \)".

To change the setting:

– Press programme button \#.

Each time the button is pressed, the set value increases by one level; when the value of \( \frac{3}{4} \) has been reached, the display jumps back to \( \frac{1}{4} \) (off).

– Press START button \( P \).

The set value is saved.

Switching off rinse aid refill indicator

If the rinse-aid refill indicator \( h \) is impaired (e.g. when using combined detergents containing rinse aid component), it can be switched off.

– Proceed as described under "Setting amount of rinse aid" and set the value to \( \frac{1}{4} \).

The rinse aid refill indicator \( h \) is now switched off.
Not suitable
– Cutlery and utensils made of wood.
– Delicate decorative glasses, craft and antique utensils. These decors are not dishwasher-proof.
– Plastic parts not resistant to heat.

Copper and tin utensils.
– Utensils which are soiled with ash, wax, lubricating grease or ink.

Aluminium and silver parts have a tendency to discolour and fade during the wash cycle. Even some types of glass (e.g. crystal glass objects) may turn cloudy after many wash cycles.

Glass and utensil damage Causes:
– Glass type and glass production process.
– Chemical composition of the detergent.
– Water temperature of the wash programme.

Recommendation:
– Use only glasses and porcelain which the manufacturer designates as dishwasher-proof.
– Use a detergent which protects utensils.
– Take glass and cutlery out of the dishwasher as soon as possible after the programme ends.

Loading the dishwasher
– Remove large food remnants. It is not necessary to prerinse utensils under running water.
– Place the utensils so that they are secure and cannot tip over.
– all utensils with their openings face down.
– parts with curves or indentations are at an angle, thereby allowing water to drain.
– does not obstruct rotation of the two spray arms 1:

Very small utensils should not be washed in the machine, as they may fall out of the baskets.

Unloading the dishwasher
To prevent water from dripping off the upper basket onto the utensils in the lower basket, it is recommended to empty the appliance from the bottom up.

Hot utensils are sensitive to shock! Therefore, when the programme ends, leave the utensils to cool down in the dishwasher until they can be handled.

Cups and glasses
Heavily soiled utensils (pans) should be placed in the bottom basket. The more powerful spray jet provides a better dishwashing result.

Tip: Other examples, such as the best way of loading your dishwasher, can be found on our homepage as a free download. The corresponding Internet address can be found on the back page of these instructions for use.

Cutlery basket

Place cutlery unsorted with the points downwards. To prevent injuries, place long, pointed implements and knives on the knife shelf.

Etagere

The etagere and the space underneath can be used for small cups and glasses or for larger items of cutlery, such as wooden spoons or serving cutlery. The etagere can be folded up if not required.

* Depending on the model, a 3-fold height adjustment is possible. To do this, first place the etagere vertically and pull up, then place at a slight angle, push down to the required height (1, 2, or 3) and snap into place.
Folding spikes
* depending on model
The spikes can be folded down to improve
arrangement of pans, bowls and glasses.

Small accessories holder
* depending on model
Light-weight plastic accessories, e.g. cups,
lids, etc. can be held securely in the small
accessories holder.

Knife shelf
* depending on model
Long knives and other utensils can be
arranged horizontally.

Adjusting the height of the basket
* depending on model
If required, the height of the upper utensils
basket can be adjusted to provide
more space for tall utensils either in the
upper or lower basket.

Appliance height
81.5 cm
86.5 cm

Select one of the two following procedures
according to the design of the top basket
for your appliance model:

Setting 1 max. ø 22 cm 30 cm
Setting 2 max. ø 24.5 cm 27.5 cm
Setting 3 max. ø 27 cm 25 cm
Top basket with side levers

– Pull out the top basket 1" out.
– To lower the basket, press in the left and then the right lever on the outside of the basket. In doing so, hold the sides of the basket along the upper edge to prevent it from suddenly dropping.
– To raise the basket, hold the basket on the sides of the upper edge and lift it up.
– Before re-inserting the basket again, ensure that it is at the same height on both sides. Otherwise, the appliance door cannot be closed and the upper spray arm will not be connected to the water circuit.

Top basket with upper and lower roller pairs

– Pull out the top basket 1" out.
– Remove the upper basket and re-attach it to the upper (stage 3) or lower (stage 1) rollers.
You can use tablets as well as powder or liquid detergents for dishwashers, but never use washing up liquid. The dosage can be individually adjusted with powder or a liquid detergent according to the degree of soiling. Tablets contain an adequately large amount of active ingredients for all cleaning tasks. Modern, powerful detergents predominantly use a low-alkaline formulation with phosphate and enzymes. Phosphates bond the lime in the water. Enzymes break down starch and remove protein. Phosphate-free detergents are less frequent. These have a slightly weaker lime bonding capacity and require a higher dosage. To remove coloured stains (e.g. tea, tomato sauce), oxygen-based bleaching agents are usually used.

Note
To ensure a good washing result, always follow the instructions on the detergent packaging!

If you have further questions, we recommend that you contact the detergent manufacturers' helpline.

Warning
Read and observe the safety information and instructions for use on the packaging for cleaning and rinsing agents.

Adding detergent
– If the detergent dispenser is still closed, press the lock to open the detergent dispenser.

Pour detergent into the dry detergent dispenser only (insert tablet flat, not on its edge).

Dosage: see manufacturer's instructions on the packaging. The graduated detergent dispenser helps you add the correct amount of powder or liquid detergent. Usually 20 ml–25 ml are adequate for normal soiling. If using tablets, one tablet is adequate.

– Close the cover on the detergent dispenser by sliding it up until the lock engages without difficulty.
Tip
If the utensils are only lightly soiled, slightly less than the indicated amount of detergent is usually adequate.

Suitable detergents and care products can be purchased online via our website or via customer service (see back page).

Combination detergent
Apart from conventional detergents (Solo), a number of products are offered with additional functions. These products contain not only the detergent but also rinse-aid and salt replacement substances (3in1) and, depending on the combination (4in1, 5in1, etc.), additional components such as glass protection or stainless steel cleaner. Combination detergents function only up to a specific degree of hardness (usually 26° Clarke). Over this limit salt and rinse-aid must be added.

As soon as combined detergents are used, the rinse programme is adjusted automatically to ensure the best possible rinsing and drying result.

Warnings
– Do not place small parts for washing in the tablet collecting tray; this prevents the tablet from dissolving evenly.
– If you want to add more utensils after the programme has started, do not use the tablet collecting tray as a handle for the upper basket. The tablet could already be there and you will touch the partially dissolved tablet.

Notes
– You will obtain optimum rinsing and drying results by using solo detergents and applying salt and rinse aid separately.
– If programmes are short, tablets may not have full cleaning effect due to different dissolving properties and there may even be undissolved detergent residue. It is recommended to use washing powder for these programmes.
– The Intensive programme (on some models) requires one tab only. When using washing powder, you can apply some of this cleaning agent to the inside of the appliance’s door.
– Even if the rinse-aid and/or salt refill indicator is lit, the rinse programme will run correctly with combined detergents.
– If using detergents in a water-soluble protective cover: Take hold of the cover with dry hands only and put the detergent into an absolutely dry detergent dispenser only, otherwise the detergent may stick.
– If you switch from combined detergents to solo detergents, ensure that the water softening system and amount of rinse aid have been set to the correct value.
### Programme Selection

You can select a suitable programme according to the type of utensils and degree of soiling.

### Information for Test Institutes

Test institutes can request the conditions for running comparison tests by sending an e-mail to dishwasher@test-appliances.com. Quote the appliance number (E-Nr.) and the production date (FD) which you can find on the rating plate on the appliance door.

### Overview of Programmes

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<tr>
<th>Type of Utensils</th>
<th>Type of Soiling</th>
<th>Programme</th>
<th>Possible Additional Options</th>
<th>Programme Sequence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pots and pans, non-sensitive utensils and cutlery</td>
<td>Very adhesive burned-in or dried-on food remnants containing starch or protein</td>
<td>Intensive 70°</td>
<td>±/°</td>
<td>Prerinse → Clean 70° → Intermediate rinse → Final rinse 65° → Dry → Auto 45°–65°</td>
</tr>
<tr>
<td>Mixed utensils and cutlery</td>
<td>Part dried, common household food remnants</td>
<td>Eco 50°</td>
<td>±/à</td>
<td>Prerinse → Clean 50° → Intermediate rinse → Final rinse 65° → Dry</td>
</tr>
<tr>
<td>Mixed utensils and cutlery</td>
<td>Slightly adhesive, fresh food remnants</td>
<td>TurboSpeed 20 min.</td>
<td>±</td>
<td>Prerinse → Clean 50° → Intermediate rinse → Final rinse 55° → Dry</td>
</tr>
<tr>
<td>Sensitive utensils, cutlery, temperature-sensitive plastic and glasses</td>
<td>All types of utensils cold rinsing, intermediate cleaning</td>
<td>Quick 45°</td>
<td>ñ/ð</td>
<td>Prerinse → Clean 45° → Intermediate rinse → Final rinse 55°</td>
</tr>
</tbody>
</table>

Intensive: all

Eco: all

TurboSpeed: all

Quick: all

Auto: all

Prerinse: all
TurboSpeed 20 min. – especially quick rinsing programme with one-off preheating*

* depending on model

The appliance is heated up once (approx. 25 min.), then the appliance is loaded and several quick rinse cycles (20 min. each) can run in succession.

Note

Detergent tablets are not suitable for this programme, as the detergent cannot completely dissolve within the short time. Therefore always use powder detergents and ensure that the salt and rinse aid dispensers are always filled and set to the correct value (see chapters entitled "Salt" and "Rinse aid").

Please read the operation carefully, the programme differs from the other programmes.

– Close the door.

– Switch on ON/OFF switch.

The display of the last selected programme flashes.

– Select programme TurboSpeed 20 min. • flashes on the digital display • (• = Heating phase).

– Press START button P.

The heating up phase of the empty appliance starts. If the appliance is loaded before the heating phase, the duration of the heating phase is extended. • and the remaining heating up time are indicated alternately on the digital display •

– As soon as p (p = Load) flashes, open and load the appliance and start the rinsing phase by pressing the START button P.

Attention!

Interior is hot. The remaining running time is indicated on the digital display •

– As soon as ›: ›‹ is indicated on the digital display ›, the rinse cycle has ended.

– Remove utensils.

Attention!

The utensils are hot and sensitive to shock! p flashes on the digital display •

– If more rinse cycles are required, reload dishwasher and press the START button.

– If no more rinse cycles are required, switch off ON/OFF switch.
**Additional options**

- **Express Wash/Speed Perfect (VarioSpeed)**
  - This function can reduce the running time by approx. 20% to 50% depending on the selected rinse programme. The change in the running time is indicated on the digital display. To obtain optimum cleaning results at a reduced running time, water and energy consumption are increased.

- **Half load**
  - If you have only a few items to wash (e.g. glasses, cups, plates), you can switch to "half load". This will save water, energy and time. It is recommended to put a little less detergent in the detergent dispenser than for a full load.

- **Hygiene**
  - The temperature is increased during the cleaning process. This increases the hygiene status. This additional option is ideal for cleaning e.g. chopping boards and baby bottles.

- **Intensive zone**
  - Perfect for a mixed load. You can wash very soiled pots and pans in the lower basket together with normally soiled utensils in the upper basket. The spray pressure in the lower basket is intensified, the rinsing temperature is increased slightly.

- **Extra drying**
  - An increased temperature during the final rinse and an extended drying phase ensure that even plastic parts dry better. There is a slight increase in the energy consumption.

**Programme data**

The programme data (consumption values) can be found in the summary of instructions. They refer to normal conditions and the water hardness set value: … Different influencing factors such as e.g. water temperature or line pressure may result in deviations.

**Aqua sensor**

- The Aqua sensor is an optical measuring device (light barrier) which measures the turbidity of the rinsing water.
- The Aqua sensor is used according to the programme. If the Aqua sensor is active, "clean" rinsing water can be transferred to the next rinse bath and water consumption can be reduced by 3–6 litres. If the turbidity is greater, the water is drained and is replaced with fresh water. In the automatic programmes the temperature and running time can also be adjusted to the degree of soiling.

**Switching on the appliance**

- Turn on the tap fully.
- Switch on ON/OFF switch ( ). The display of the last selected programme flashes. This programme remains selected if no other programme button is pressed. The expected programme duration flashes on the digital display.
- Press the START button P. The programme starts running.

**Programme TurboSpeed 20 min.**

When the START button P is pressed the first time, the heating up phase (approx. 25 min., irrespective of the initial situation) of the appliance starts. After the appliance has been opened, loaded and closed, the rinsing phase (20 min.) starts when the START button P is pressed the second time.

**Washing the dishes**

...
Remaining running time display
When the programme is selected, the remaining running time of the programme is indicated on the digital display.

The running time is determined during the programme by the water temperature, the number of utensils as well as the degree of soiling and may vary (depending on the selected programme).

Programme TurboSpeed 20 min.: During the heating up phase, the remaining running time are indicated alternately on the digital display; at the end, p flashes, indicating that the appliance can be opened and loaded.

When the appliance has been restarted, the remaining running time is indicated again during the rinsing phase.

Time programming:
You can delay the start of the programme in 1-hour steps up to 24 hours.

– Close the door.
– Switch on ON/OFF switch.
– Press button @ until the digital display jumps to œ:‘.
– Press button @ or – button until the displayed time corresponds with your requirements.
– Press START button, timer programming is activated.
– To delete timer programming, press the @+ or – button until œ:' is indicated on the digital display.

You can change your programme selection at any time until the programme starts.

End of programme
The programme has ended when the value œ:' is indicated on the numerical display.

The following applies to TurboSpeed 20 min.:
As soon as œ:' is indicated on the digital display, the rinse cycle has ended. When the appliance door has been opened, p is indicated on the digital display. If no further rinse cycle is required, switch off the appliance with the ON/OFF switch.

Switching off automatically after the end of the programme:

Switching off automatically after the end of the programme *
* depending on model

To save energy, the dishwasher is switched off 1 minute after the programme ends (factory setting).

Automatic disconnection can be adjusted from œ:' to œ:‘:

– Close the door.
– Switch on ON/OFF switch.
– Hold down programme button # and press START button until •:... is indicated on the digital display.
– Release both buttons.
– The LED for button # flashes and the digital display displays the factory setting •:...
– Press programme button # until the factory set value œ:' is indicated on the digital display.

To change the setting:
– Press programme button 3.
– Each time the button is pressed, the set value increases by one level; when the value of œ:‘ has been reached, the display jumps back to œ:' (off).
– Press START button.
– The set value is saved.

Switching off the appliance
Short time after the end of the programme:
– Switch off ON/OFF switch.
– Turn off the tap (not applicable if Aqua-Stop fitted).
– Remove the utensils when they have cooled down.

œ:' Appliance does not switch off automatically
œ:' Off after 1 min
œ:‘ Off after 120 min
Warning
At the end of the programme please open the door fully and not partially when emptying the dishwasher. Any escaping water vapour could damage sensitive worktops.

In the case of the TurboSpeed 20 min. programme switch off if no further rinse cycle is to follow.

Interrupting the programme
– Switch off ON/OFF switch (). The LEDs go out. The programme is saved.
– If the door was opened on an appliance which has a warm water connection or is heated, first leave the door ajar for several minutes and then close. Otherwise, expansion (pressure) may cause the appliance door to spring open or water to run out of the appliance.
– To continue the programme, switch on the ON/OFF switch (again.

Terminating the programme (Reset)
– Press START button P for approx. 3 sec. The numerical display indicates : .
– The programme sequence lasts approx. 1 min. On the digital display is indicated :.
– Switch off ON/OFF switch (.

Changing the programme
When the START button P has been pressed, the programme cannot be changed.
The only way a programme can be changed is by Cancel programme (Reset).

Intensive drying
The final rinse uses a higher temperature which improves the drying result. The running time may increase slightly.
(Caution if utensils are delicate!)
– Close the door.
– Switch on ON/OFF switch (.
– Hold down programme button # and press START button P until the digital display • shows .
– Release both buttons.
– The LED for button # flashes and the digital display • displays the factory setting •.
– Press programme button # until the factory set value : is indicated on the digital display •.
To change the setting,
– Press the button 3 to switch the Intensive drying on : or off :.
– Press START button P.
The set value is saved.
A regular inspection and maintenance of your machine will help to prevent faults. This saves time and prevents problems.

Overall condition of the machine – Check spray arm for grease and limescale deposits. If you find such deposits:

– Fill detergent dispenser with detergent.

Start the appliance without utensils in the programme with the highest rinsing temperature.

Clean the appliance with detergents/appliance cleaners which are particularly suitable for use with dishwashers.

– Regularly clean door seal with a damp cloth.

Never use a steam cleaner to clean your dishwasher. The manufacturer is not liable for any consequential damage.

Regularly wipe the front of the appliance and fascia with a damp cloth; water and a little washing up liquid are adequate. Do not use sponges with a rough surface or abrasive detergents, as these could scratch the surfaces.

Stainless steel appliances: To prevent corrosion, avoid using sponge cloths or wash them out thoroughly several times before using for the first time.

Warning
Never use other chlorinated household detergents! Health hazard!

Special salt and rinse aid – Check the refill indicators ` and ` If required, refill salt and/or rinse aid.

Filters
The filters keep large foreign objects in the rinsing water away from the pump. These foreign objects may occasionally block the filters.

The filter system consists of a coarse filter, a flat fine filter and a microfilter.

– After each washing cycle check the filters for residue.

– Unscrew filter cylinder as illustrated and take out filter system.

– Remove any residue and clean filters under running water.

– Re-install filter system in reverse sequence and ensure that the arrow marks are opposite each other after closing the filter system.
Spray arms
Limescale and contaminants in the rinsing water may block nozzles and bearings on the spray arms.

- Check outlet nozzles on the spray arms for blockages.
- Unscrew the upper spray arm.
- Remove the lower spray arm upwards.
- Clean spray arms under running water.
- Re-engage or screw on spray arms.

The majority of faults which could occur in daily operation can be rectified by the user. This ensures that the appliance is quickly available for use again. The following overview will help you locating the causes and gives helpful advise to eliminate them.

Note
If the appliance stops during dishwashing or does not start for no obvious reason, first run the Abort programme function (Reset).
(See chapter entitled "Dishwashing")

Warning
If on the digital display "an error code ", always disconnect the appliance from the power supply and then turn off the tap.

You can rectify certain faults yourself (see following fault description), for all other faults please contact customer service and state the indicated fault "XX.

Warning
Don't forget: Repairs may be carried out by technicians only. If a component has to be replaced, ensure that only original spare parts are used. Improper repairs or use of non-original spare parts may cause considerable damage and put the user at considerable risk.

Troubleshooting
Waste water pump

Large food remnants or foreign objects which were not captured by the filters may block the waste water pump. The rinsing water will then be above the filter.

In this case:
– First always disconnect the appliance from the power supply.
– Take out top basket 1” and bottom basket 1b.
– Remove the filters 1R.
– Scoop out water, use a sponge if required.
– Prise out the white pump cover (as illustrated) using a spoon. Grip the cover on the crosspiece and lift diagonally inwards. Remove cover completely.
– Check impeller wheel and remove any foreign objects.
– Place cover in the original position and press down until it engages (click).
– Install filters.
– Re-insert baskets.

... when the appliance is switched on

The appliance does not start.
– The mains fuse has tripped.
– The appliance plug has not been inserted.
– The appliance door has not been shut properly.

... changing settings

A setting cannot be changed, a programme starts.
– Wrong programme button pressed. Terminate the programme (see chapter entitled “Terminating the programme (Reset)” and start all over again.
– You did not wait until programme ended.

... on the appliance

Lower spray arm rotates sluggishly.
– Spray arm blocked.

The door is difficult to open. *
– Child-proof lock is activated. The deactivation instructions are at the back in the envelope.

* depending on model

Door cannot be closed.
– Door lock has been activated. To reset, close the door with greater force.

Cover on the detergent dispenser cannot be closed.
– Detergent dispenser overfilled or mechanism blocked by sticky detergent residue.

Detergent residue in the detergent dispenser.
– Dispenser was damp when filled.

“Check water supply” display  lights up.
– Tap turned off.
– Water supply interrupted.
– Supply hose kinked.
Filter in the water supply blocked.

– Switch off the appliance and pull out the mains plug.
– Turn off the tap.
– Clean filter in the supply hose.
– Reconnect power supply.
– Turn on the tap.
– Switch on the appliance.

Water is left in the appliance at the end of the programme.

– Waste water hose is blocked or kinked.
– Filters blocked.
– ( ){Waste water pump blocked, cover on the waste water pump is not locked in position (see Waste water pump).
– Filters blocked.
– The programme has not yet ended. Wait until programme ends (digital display indicates ‹‹ or ‹) or implement the “Reset” function.

Error code: ƒƒ
– Filters 1R are soiled or blocked.
– Refill indicator for salt ` and/or rinse-aid ™ is not lit.
– Refill indicator/s switched off.
– Adequate salt/rinse-aid available.
– Refill indicator for special salt ™ is lit.
– No salt.
– Refill with special salt.
– Sensor does not detect salt tablets.
– Use different special salt.

On the digital display) is indicated p or •.
– No fault!

See TurboSpeed 20 min. in the chapter entitled “Overview of programmes”.

Unusual foam formation.

– Handwash liquid in the rinse aid dispenser.
Spilled rinse aid causes excessive frothing, therefore please remove with a cloth.

Appliance stops during the wash cycle.

– Power supply interrupted.
– Water supply interrupted.

Filling valves making striking noises – Caused by the installation of the water line and has no effect on the function of the machine. Remedial action is not possible.

Knocking/rattling noise during rinsing – Spray arm is striking utensils.
– Utensils not arranged correctly.

Food residue on the utensils
– Utensils placed too closely together, utensils basket overfilled.
– Too little detergent.
– Rinse programme too weak.
– Spray arm rotation obstructed.
– Spray arm nozzles blocked.
– Filters blocked.
– Filters incorrectly inserted.
– Waste water pump blocked.
– Top basket on right and left not set to same height.

Tea or lipstick residue is not completely removed.

– The detergent has an inadequate bleaching effect.
– Too low rinsing temperature.
– Too little/unsuitable detergent.
White stains on the utensils/glasses remain milky. If phosphate-free detergents are used with hard tap water, white deposits may be deposited more easily on utensils and the container walls.

- Too little/unsuitable detergent.
- Too weak programme selected.
- No/too little rinse aid.
- No/too little special salt.
- Water softening system set to the wrong value.
- Salt dispenser lock not fastened.

Contact the detergent manufacturer, in particular if:
- the utensils are very wet at the end of the programme.
- lime scales formed.

Dull, discoloured glasses, film cannot be washed off.

- Unsuitable detergent.
- Glasses not dishwasher-proof.

Streaks on glasses and cutlery, glasses have metallic appearance.

- Too much rinse aid.
- Plastic parts discoloured.

Rust spots on the cutlery.

- Cutlery not rust-resistant.
- Salt content in the rinsing water too high, as salt dispenser lock not fastened firmly or salt was spilled while being refilled.

Utensils not dry.

- Appliance door opened too early and utensils taken out too early.
- Programme selected without drying.
- Too little/unsuitable rinse aid.

- Activate intensive drying.

If the advice given does not resolve your problem, please contact your customer service. Contact details can be found on the back cover of this instruction manual or in the enclosed customer service list. When calling, please quote the appliance number (1) and the production date (FD = 2) which can be found on the rating plate 92 on the appliance door.

Rely on the expertise of the manufacturer. Call us to ensure that the repair will be carried out by fully-trained service engineers, who are equipped with original spare parts for your appliance.
The dishwasher must be connected correctly, otherwise it will not function properly. The specifications for the inlet and outlet as well as the electrical connected loads must correspond with the required criteria as specified in the following paragraphs or in the installation instructions.

Install the appliance in the correct sequence:

– Checking appliance on delivery
– Installing the appliance
– Waste water connection
– Fresh water connection
– Electrical connection

Safety instructions

– Install and connect the appliance according to the installation and assembly instructions.
– Prior to installation, disconnect the dishwasher from the power supply.
– Ensure that the protective conductor system of the domestic supply has been correctly installed.
– The electrical connection conditions must correspond with the specifications on the dishwasher rating plate 92.
– If the power cord of this appliance is damaged, it must be replaced with a particular power cord.
– To prevent injury, the power cord may be replaced by customer service only.
– If the dishwasher is installed in a high-sided unit, the unit must be secured properly.
– Install built-under or integratable appliances only under continuous worktops which have been screwed to adjacent cupboards to ensure stability.
– Do not install the appliance near heat sources (radiators, heat storage tanks, cookers or other appliances which generate heat) and do not install under a hob.

After installing the appliance, ensure that the plug is easily accessible. (see Electrical connection)

– Some models: The plastic housing on the water connection contains an electric valve, the connecting cables are in the supply hose. Do not cut through this hose, do not immerse the plastic housing in water.

Warning

If the appliance is not in a cavity and a side panel is accessible, the door hinge area must be covered for reasons of safety (risk of injury). The covers are available as optional accessories from customer service or specialist outlets.

Delivery

Your dishwasher has been checked thoroughly in the factory to ensure that it is in working order. This may cause small water stains. These will disappear after the first wash cycle.

Technical specifications

Weight: max. 60 kg
Voltage: 220–240 V, 50 Hz or 60 Hz
Connected load: 2.0–2.4 kW
Fuse: 10/16 A (UK 13A)
Water pressure: at least 0.05 MPa (0.5 bar), maximum 1 MPa (10 bar). At a higher water pressure: connect pressure-reducing valve ahead.
Inlet rate: minimum 10 litres/minute
Water temperature: cold water; hot water max. temperature 60 °C.
Installation

The required installation dimensions can be found in the installation instructions. Level the appliance with the aid of the height-adjustable feet. Ensure that the appliance is situated securely on the floor.

– A built-under or integrated appliance which is installed subsequently as a free-standing appliance must be secured to prevent it from overturning, e.g. by screwing it to the wall or by installing it under a continuous worktop which is screwed to adjacent cupboards.

– The appliance can easily be installed in a fitted kitchen between wooden and plastic walls.

Waste-water connection

– The required work sequence can be found in the installation instructions. If required, fit a siphon with a drainage connection.

– Connect the waste-water hose to the drainage connection of the siphon with the enclosed parts. Ensure that the drainage hose is not kinked, crushed or twisted and that there is no cover plate in the drainage to prevent the waste water from flowing out!

Fresh water connection

– Connect the fresh-water connection to the tap according to the installation instructions with the enclosed parts. Ensure that the fresh-water connection is not kinked, crushed or twisted.

– When replacing the appliance, always use a new water supply hose.

Water pressure:

at least 0.05 MPa (0.5 bar), maximum 1 MPa (10 bar). At a higher water pressure: connect pressure-reducing valve ahead.

Inlet rate:

minimum 10 litres/minute

Water temperature:

cold water; hot water max. temperature 60 °C.

Warm water connection

* depending on model

The dishwasher can be connected to cold or hot water up to max. 60 °C. Connection to hot water is recommended if the hot water can be supplied by energetically favourable means and from a suitable installation, e.g. solar heating system with circulation line. This will save energy and time.

The hot water setting * allows you to adjust your appliance optimally to operation with hot water. It is recommended to have a water temperature (temperature of the incoming water) of at least 40 °C and no more than 60 °C.

It is not recommended to connect the appliance to hot water if the water is supplied from an electric boiler.

Setting hot water:

– Close the door.
– Switch on ON/OFF switch ( ).
– Hold down programme button # and press START button P until • ... is indicated on the digital display.
– Release both buttons. The LED for button # flashes and the digital display ) displays the factory setting • ....
– Press programme button # until the factory set value ‹‹ is indicated on the digital display ) .

To change the setting:

– By pressing the button, you can switch the hot water setting off ‹‹ or on ‹.
– Press START button P. The set value is saved.
Electrical connection
– Connect the appliance to an alternating current only, ranging from 220 V to 240 V and 50 Hz or 60 Hz via a correctly installed socket with protective earth conductor. See rating plate for required fusing.
– The socket must be near the appliance and freely accessible following installation. If the plug is not freely accessible, an allpole disconnector with a contact opening of at least 3 mm must be fitted on the installation side to satisfy the relevant safety instructions.
– The connection may be modified by technicians only.
– A power cord extension may be purchased from customer service only.
– Use only a residual current operated circuit-breaker which features the symbol '.
– The appliance features a water damage protection system. Please note the system will not function unless the power supply is connected.

Removing the appliance
– Disconnect the appliance from the power supply.
– Turn off the water supply.
– Disconnect the waste water and fresh water connections.
– Loosen fastening screws for the furniture parts.
– If fitted, remove the base panel.
– Pull out the appliance, carefully pulling the hose behind.

Transportation
Empty the dishwasher and secure loose parts.
Drain the appliance according to the following steps:
– Turn on the tap.
– Close the door.
– Switch on ON/OFF switch (The displays of the last selected programme light up. Select programme with the highest temperature. The expected programme duration is indicated on the numerical display)
– Press START button P. Programme sequence starts.
– After approx. 4 minutes press the START button P until ‹ is indicated on the digital display.
– After approx. 1 min ‹‹ is indicated on the digital display.
– Switch the appliance off (and turn the tap off).

Protection against frost (Emptying the appliance)
If the appliance is in a room where there is a risk of frost (e.g. holiday home), empty the appliance completely (see Transportation).
– Turn off the tap, disconnect supply hose and drain water.

Freezer again
Both the packaging of new appliances and the old appliances themselves contain valuable raw materials and recyclable materials. Please dispose of the individual parts separated according to type. Please ask your dealer or inquire at your local authority about current means of disposal.

Packaging
All plastic parts of the appliance are identified with internationally standardised abbreviations (e.g. >PS< polystyrene). Therefore, plastic waste can be sorted out when the appliance is being disposed of. Please follow the safety instructions under "Delivery".

Old appliances
Please follow the safety instructions under "Disposal of your appliance".

Waste disposal
This appliance is identified according to the European guideline 2002/96/EC on waste electrical and electronic equipment – WEEE. The guideline specifies the framework for an EU-wide valid return and re-use of old appliances.
Graped box piece hook: 

1. AC (Box) - Bacterial culture-type temperature setting.
2. AC (Box) - Alarm indicators.
3. AC (Box) - Power supply.

Banging inside the box: 

1. AC (Box) - Bacterial culture-type temperature setting.
2. AC (Box) - Alarm indicators.
3. AC (Box) - Power supply.

* Refer to details