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ASKO 1805 Owner's Manual

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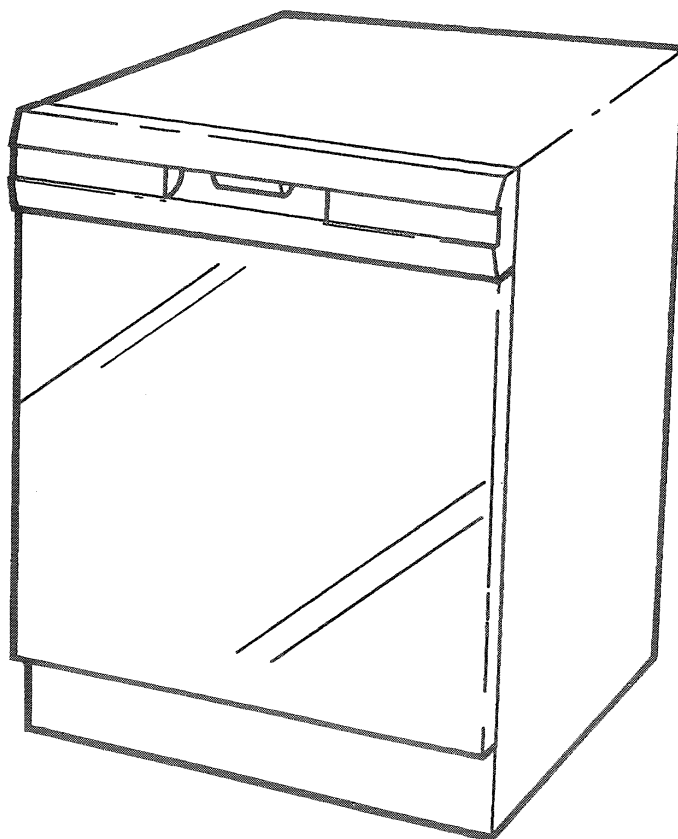
----- Manual continues below -----

How to use your dishwasher

1805, DW 954

Important!

Read right through these instructions before using your dishwasher for the first time, in order to obtain the best performance from it.



Before using the machine for the first time

Read right through these instructions. Certain materials should not be washed in dishwashers (see page 12). Use only dishwasher detergent.

How to use your new dishwasher

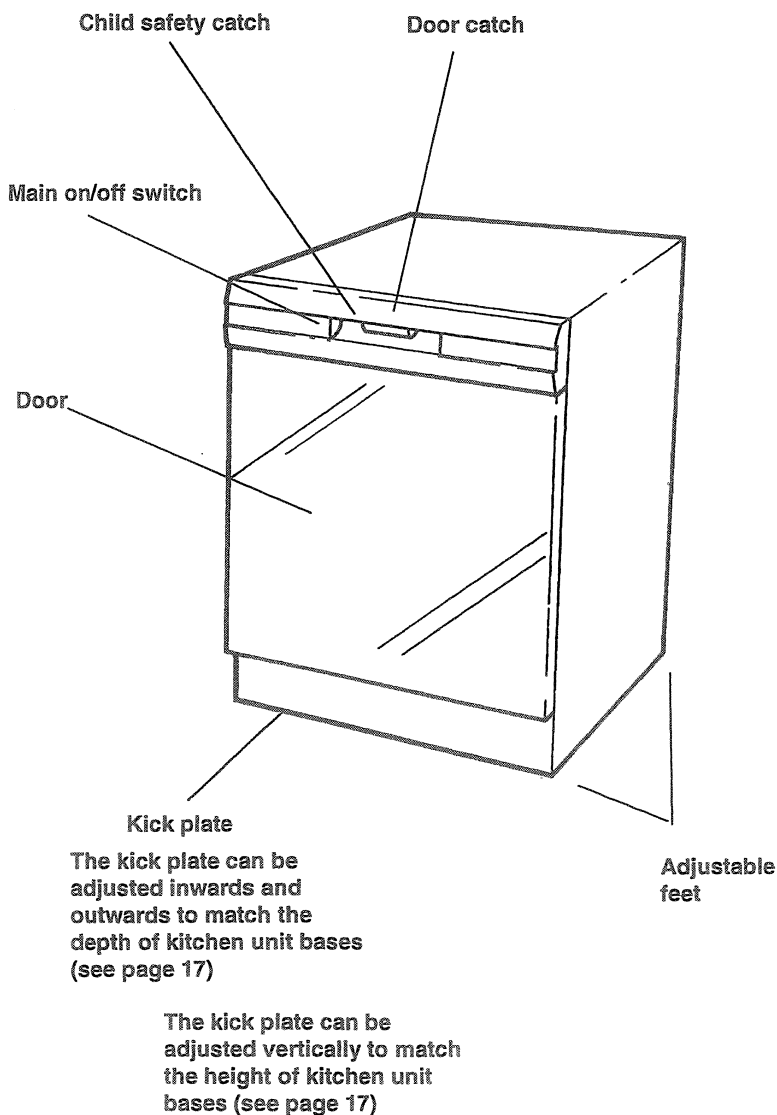
Follow the steps in the strip along the top of each page for a brief summary of the instructions.

Further details and advice are on the page below the strip.

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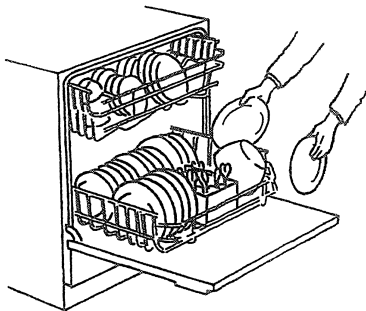
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The parts of the machine



② Load the baskets

Be careful when washing items made of certain materials (see page 12).

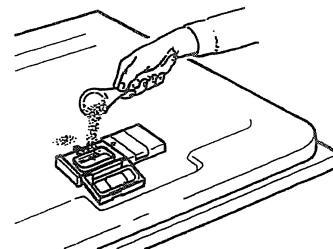


③ Add detergent

Pre-wash: on the inside of the door

Main wash: in the detergent compartment

Close the door after you have added the detergent.

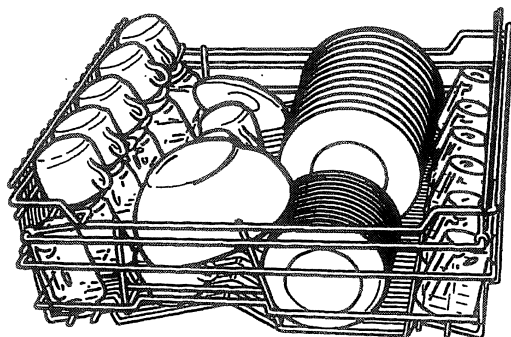


Upper basket

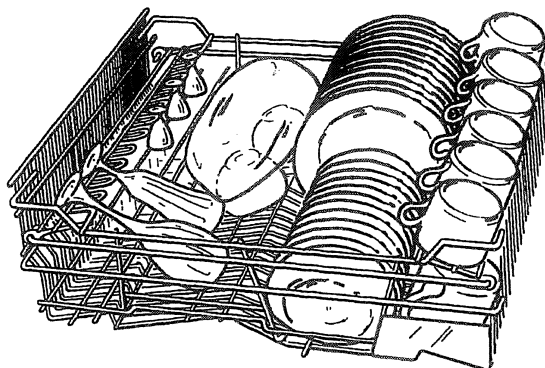
Load glasses, cups, bowls, small plates, saucers, long items of cutlery and carving knives into the upper basket. (Take care that sharp edges do not damage the plastic of the baskets.)

The upper basket has two hinged racks. The waved rack is for wine glasses.

When the hinged rack is folded down, cups can be placed on it and under it. There is space for tall glasses with the rack folded up.



NOTE: place the items so that the detergent dispenser is not prevented from opening.

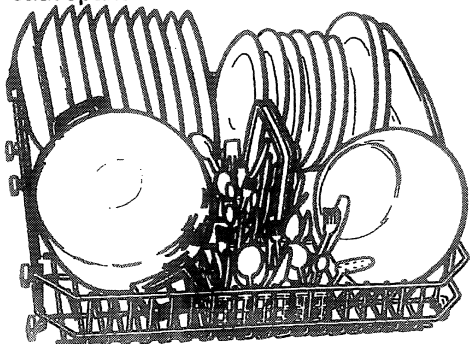


Placing of wine glasses

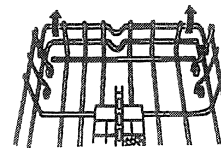
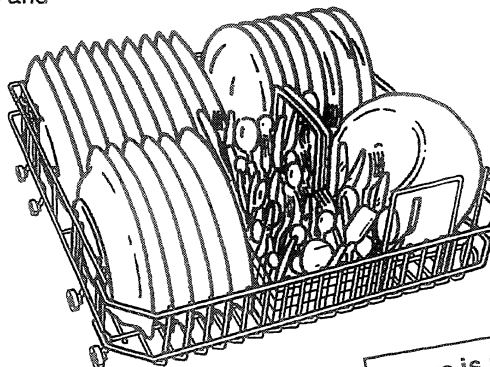
Lower basket

Load large and small plates, serving dishes, pots and pans and cutlery (in the cutlery basket) into the lower tray.

The lower basket has an insert rack for plates. Remove it to provide space for casseroles and saucepans.



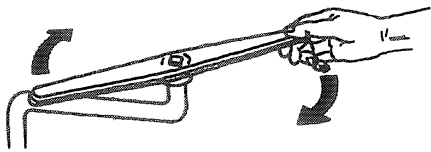
All used surfaces must face downwards.



The insert rack can be removed to provide space for saucepans and casserole dishes.

There is no need to rinse items before you load the machine, although larger food particles should be removed.

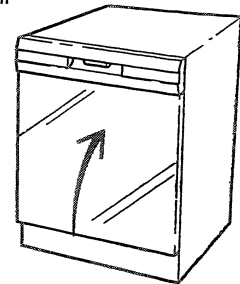
- ④ Check that the spray arms can rotate freely.



- ⑤ Check that the water supply is turned on.

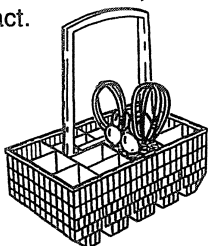
- ⑥ Close the door.

Close the door fully: if not, the machine will not start.



Cutlery basket

Load cutlery with the handles downwards and spread out as possible. Make sure that spoons do not 'nest' with each other. Avoid placing cutlery of different metals – e.g. silver and stainless steel – in the same compartment. It is also unsuitable to place different grades of stainless steel (check by the surface colour) in contact.



The cutlery basket has a folding cover in the middle. It can be used to protect small items, but you can also put thin handles as electric whisks through the folded cover.

Knife basket

There is a special basket with movable racket for long cutlery and knives. This basket gets an extra water flushing.



How much detergent?

The amount of detergent required depends on the programme used and the water hardness (see below).

Intensive and Normal wash Pre-wash (5 g)
Main wash (12 g)

Quick wash Main wash (12 g)

5g = ca 1 teaspoon
12 g = ca 1 tablespoon

Use only dishwasher detergent

for both pre-wash and main wash. Ordinary hand dish-washing detergent must not be used, as the foam will interfere with proper operation of the machine.

The amount of detergent depends on the hardness of the water

Water hardness varies from place to place, and is measured in degrees of hardness (°dH). Your water company should be able to tell you the hardness of water in your area. The harder the water, the more detergent you will need. Follow the instructions on the packet.

In hard water areas, both the dishes and the machine can develop a grey film after a while. This can be removed by using the machine with the pre-wash detergent replaced by two tablespoonsful of citric acid. Use the pots and pans programme.

If the water is very hard, use a rinse aid that contains citric acid (acid rinse aid).

Filling of rinse aid (and salt, if appropriate): see pages 12–13.

Technical details

| | |
|----------------|--|
| Height | 820-890 mm |
| Width | 596 mm |
| Depth | 550 mm |
| Weight | 45 kg 48 kg w. softener |
| Capacity | 12 place settings (IEC) |
| Water pressure | 0,03–1,0 MPa (0,3–10 kp/cm ²) |
| Voltage | 1-fas, 230 V |
| Max power | 2 100 W |
| Heater | 1 800 W |

Extra accessories:

Worktop
Side panels + tip guard
Decor frames

Warning!



Dishwasher detergent is corrosive – take care to keep it out of the reach of children.

Make sure that children cannot get hold of dishwasher detergent. If any is accidentally swallowed, give plenty to drink: one or two glasses of milk or water. Do not try to induce vomiting. Seek medical advice without delay. If dish-washer detergent gets in the eyes, rinse with plenty of water.

How to use your Model 1805

Your Model 1805 is a dishwasher which is particularly convenient to use. It remembers the programme that was last used (programme 1-2), so you need only press the Start pushbutton to use it again.

The machine also shows when the rinse aid or salt has run out or when you have not closed the door properly.

• Press the power switch

• Select the programme

As soon as you have pressed the main switch, a lamp lights above the last selected programme (programme 1-2). Simply press the Start pushbutton to use this programme again.

To use a different programme, press the pushbutton for the programme required.

Which programme should I use?

The easiest way of using the machine is to select a standard programme. Simply press one of the four symbols for the dishwashing programmes that you want, and the machine does the rest. Or you can select the washing temperatures, number of rinses, heated drying and so on yourself: read the details below and follow the table.

Indication lamps, see page 11

If you have used programme 1 or 2 by the last wash, the machine remembers it and you need only press the Start pushbutton to get the same programme. But if you use programme 3 you must select it every time. The reason for this is that we mean that the Light wash (4) shall just be used at special occasions, when the dishes are very slightly soiled.



1. Intensive wash

Use the Intensive wash programme for very dirty dishes, such as pots, pans, casseroles and gratin forms.



2. Normal wash

Use this programme for normal washing. It is made for plates, cups and saucers and one or two not so dirty pans.



3. Quick wash

If the wash is not particularly heavily soiled, use the Light wash programme. It is provided for glasses and china, which are washed immediately after being used and therefore don't need a stronger programme.

Delicate items

Delicate items can be washed with the Light wash programme. Omit heating if you want to be extra careful. See also page 8: Wash these items with care.



4. Rinse & Hold

For rinsing the dishes if you are waiting to wash-up until the machine is full.

| Programmes | Symbols | Rec. temp. |
|-------------------|------------------|------------|
| Intensive wash | | 70° |
| Normal wash | | 65° |
| | Economy E | 65° |
| | | 55° |
| | without drying | 55° |
| Economy E | E | 55° |
| Quick wash, 55° C | | 55° |
| Quick wash, 45° C | | 45° |
| Rinse & Hold | | |

• **Press the Start button**

The machine will start and work through the selected programme automatically.

• **Want to change your mind?**

If you want to change programme after you have started the machine, press Stop for 3 seconds. Then select a new programme by pressing the appropriate symbol.

• **If you turn off the machine at the main on/off switch**

(or if there is a power failure) before the programme has finished, the programme will continue when power is restored.

If the power is turned off during drying, and the door is open for more than two minutes, the programme will be terminated.

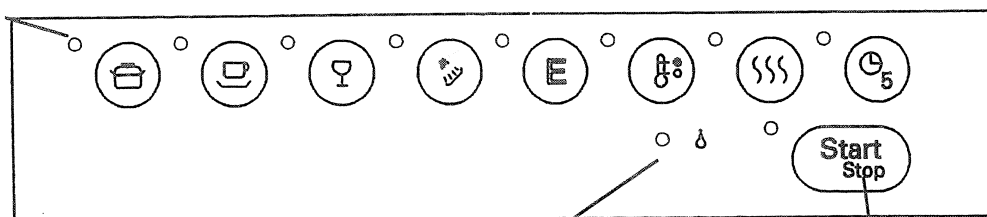
• **After washing**

When the machine has stopped, it consumes only an extremely low power. To turn it off completely, turn off the main on/off switch.

The indicating lamp remains on as long as the switch is in the On position. It is a good rule never to leave a switched-on machine unattended.

Dishwashing programmes

Options, see page 8



Rinse agent and salt indication, see page 12-13

Start / Stop see page 8

How to save energy:

Economy wash

If you press the E-button, the temperature will be lowered to 50° C in the pre-wash and the main wash. To compensate the lower temperature, the main wash time is pro-longed by 15 minutes. Detergents with enzymes work better by longer washing times at low temperatures.

Wash only full loads

Save energy by not using the machine until it is full.

Wash at lower temperatures

You can lower the temperature in main wash and rinse in the Intensive and Normal wash programmes to 55° C. In the Quick wash programme you can lower it to 45° C.

Is the machine connected to a cold water supply?

If the machine is connected to a cold water supply, running time will be longer, as the machine must heat the water. However, the longer washing time means that you can run the programme at a lower temperature and still get the same wash performance. You also save electricity.

Long programmes with low temperature is suitable for detergents with emzys.

Select no drying

If you select no drying, the dishes will dry a little more slowly. You can speed up drying by opening the door a little to allow the moist air to escape.

| Programme features | | | | Consumption figures | | | | |
|--|-----------|-------|--------------|-------------------------------|--------------------|-------------------------------|--------------------|--------------------------------|
| =The dirty rinse water is emptied and the next period starts with clean water (SCS= Super Cleaning System) | | | | Hot fill ca 60°C | | Cold fill ca 15°C | | |
| Pre-wash | Main wash | Rinse | Drying | Cycle time, approx. min.** | Energy kWh ca** | Cycle time, approx. min.** | Energy kWh ca** | Water consump. in litres |
| 65° | 65° | 70° | Heat and fan | 90 | 1,1 | 120 | 2,2 | 25 |
| 30° | 65° | 65° | Heat and fan | 70 | 0,7 | 95 | 1,4 | 18,5 |
| 30° | 50° | 65° | Fan only | 80 | 0,6 | 105 | 1,3 | 18,5 |
| 30° | 55° | 55° | Heat and fan | 70 | 0,5 | 90 | 1,1 | 16,5 |
| 30° | 55° | 55° | Fan only | 70 | 0,35 | 90 | 1,0 | 16,5 |
| 30° | 50° | 55° | Fan only | 80 | 0,4 | 100 | 1,0 | 16,5 |
| | 55° | 55° | Heat and fan | 50 | 0,5 | 70 | 1,2 | 15 |
| | 45° | 45° | Fan only | 25 | 0,1 | 40 | 0,7 | 15 |
| | | | Fan only | 4 | 0,01 | 4 | 0,01 | 3,5 |

* For a dishwasher with water softener the figures are about 3 litres higher.

Heat and fan symbol
Fan only symbol

** The programme times shown in the table are rounded-off values from actual tests. In practice, times may vary somewhat due to the temperature of the water supply, voltage variations etc.

Programme options

Eco/Bio-function **E**

By pressing this button you lower the temperature in the pre-wash and main wash to 50° C and pro-longs the main wash by 15 minutes .

In this way you lower the energy consumption.

Use this button, when you use detergents with enzymes.

Temperature

By pressing  you can select temperature in the programmes:

Intensive wash: 70 / 55°C

Normal wash: 65 / 55°C

Quick wash: 55 / 45°C

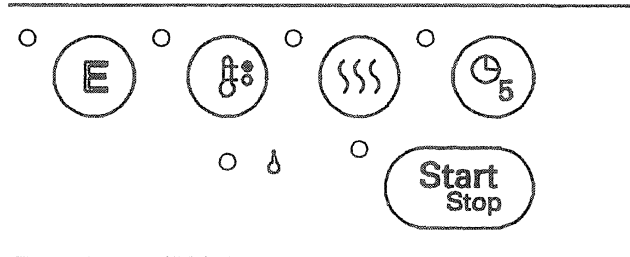
The lamp is lit at the higher temperature. Selected temperatures remain until you alter them. Note that 45° C will not remain.

Heated drying

Lights if you have selected heated drying. Press the pushbutton again to cancel heated drying. Then the lamp goes out, but the fan will dry the dishes even without any heat.

Delayed start 5

If you want the machine to start after a delay (e.g. in a cheap-rate electricity period), press this pushbutton. Then press the Start pushbutton. Then the machine will start in 5 hours.



Salt indicator

(Only for machines with water softeners)

This lamp lights to indicate that the machine has run out of salt. After refilling, there may be some delay before the lamp goes out.

Rinse aid

This lamp lights to indicate that the machine has run out of rinse aid. After refilling, there may be some delay before the lamp goes out.




Start / Stop **START**

The programme starts when you press this pushbutton.

Stop the programme by holding the pushbutton depressed for three seconds. This is to prevent children playing with the pushbuttons and stopping the programme.

You can also prevent children starting the machine by playing with the pushbuttons by programming the machine so that it will start only if the Start pushbutton is pressed and held for three seconds, see page 9.

NOTE:

When you select an option (  ), remember this:

- To activate and save an option, you must start a programme. The reason for this is to prevent children playing with the pushbuttons and changing the temperature etc..

By re-programming (extra rinse etc.)

- The choice will remain till you change it. Even by stopping the machine with the main on/off button or if the machine by other reason has been out of power, all choices will remain, which were activated before the power failure.

- The choice will be shown for 2 seconds by the lamps. Then the machine will revert to the main programme.


- A black filled symbol means a lit lamp. Lines over a lamp means that it is blinking.




Re-programmings

Protected start programme

You can also prevent children starting the machine by playing with the pushbuttons by programming the machine so that it will start only if the Start push-button is pressed and held for three seconds.

1. Press  5 times, which gets you into the protected start programme.

2. Press **E** and you get protected start (3 sec)
or


Press  to revert to normal operation.

The indicating lamps show:




Do you want to change the rinse water temperature?

You can change the temperature in the last rinse water to 75°C in programmes with 65 or 70°C main wash temperature.

1. Press  5 times within 15 seconds. Then you get into the changing programme.

2. Press **E** and you get 75° C rinse water temperature.




or
Press  and you get the normal rinse temperature.




Do you want an extra rinse?

You can get an extra rinse in the programmes




and  by doing like this:

1. Press  5 times within 15 seconds. Then you get into the changing programme. The lamps show how many rinses the machine last gave.

2. Press **E** and you get an extra rinse.

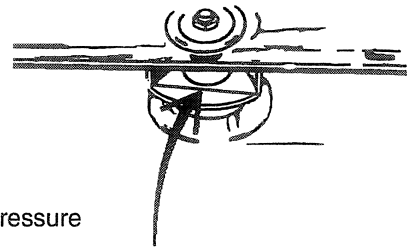


or
Press  and you get the normal number of rinses.




Too little water in the machine?

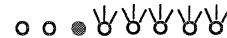
The water level is correct when it reaches up to the marking of the lower spray pipe bearing, see picture.




If there is insufficient water in the machine, it may be because the supply pressure is too low. This can be compensated for by altering the admission time.

1. Press **E** five times within 15 seconds to get into the water level modification programme.

2. Press  to get the normal inlet time




 to get 25 % increase




E to get 50 % increase



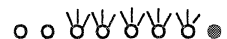
 to get 100 % increase



 to get 150 % increase





 to get 200 % increase



How to set the pumping out time

If you have a longer outlet hose or if there by other reason is a too short time for the machine to pump out the water, the pumping-out time can be changed. Do like this:

1. Press  5 times within 15 seconds. Then you get into the changing programme.

2. Press  to get an outlet time of 20 seconds



Press  " " 25 " Normal time



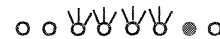
Press **E** " " 35 "



Press  " " 45 "



Press  " " 85 "



The indicating lamps . . .



The indicating lamps serve several purposes: besides showing the selected programme , they are also used if you need to trace a fault in the machine.

. . . display programme contents

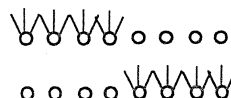
T indicating lamps show what a selected programme contains.

For Normal wash, for example, the following lamps would be lit:



. . . shows if anything is wrong

Indicates that the door is open when attempting to start a programme, or is opened while a programme is running.



Indicates a fault in the heater.



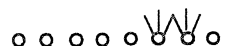
Indicates high water level in the machine.



Indicates a thermistor fault (heater control).




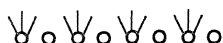
Indicates a water inlet fault (just machines with water softener)



. . . assist fault-tracing

If the machine doesn't work properly, you can identify the reason. This allows you to describe the fault to service personnel and saves repair time.








Start the fault-tracing programme by pressing the  pushbutton 5 times within 15 seconds. These lamps will respond by flashing:



Marked symbol:

Tests:

If nothing is wrong, this happens:

| | | |
|---|--|---|
|  | Water softener inlet valve | Water can be heard entering (only on machines with water softeners). |
|  | Water inlet valve | Water can be heard entering. |
|  | Detergent/Rinse aid solenoid (combi doser) | There will be a click, and detergent/rinse aid is coming out*. |
|  | Heater | The element heats up. WARNING: Don't touch it! |
|  | Circulation pump | The pump starts. |
|  | Outlet pump | The pump starts. |
|  | Fan motor | The fan starts and air is blowing out by the lower left corner of the door. |

* If the detergent cover is closed, detergent will be dosed, or else rinse aid will be dosed.

Leave the test programme by pressing **START**

Wash these items with care:

Some items must not be machine-washed. There are several reasons: some materials cannot withstand the high temperature, while others can be damaged by the detergent used.

China/porcelain marks

Modern china or porcelain may be marked underneath with a code that indicates its suitability for machine washing. This will be in the form of VDN + a letter + three figures. The last numeral indicates the suitability:

5 = Withstands machine washing (75°C)
3 = Withstands hand washing (45°C)
1 = Risk of damage if washed

Delicate patterns

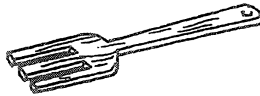
Porcelain or china having the pattern above the glaze should not be machine-washed. Check by running a finger over the pattern: if it feels rough, it is above the glaze.

Glass

Load glass items so that they do not knock together while being washed. Use a low temperature. Antique and very delicate items should not be machine-washed.

Silver

Silver and stainless steel items should not be allowed to touch each other, as this can stain the silver.



Cutlery with bonded handles

Some types of adhesive cannot withstand machine washing: cutlery handles are likely to loosen.

Wooden items

Wooden items should be machine-washed only if they are clearly stated as suitable for it.

Aluminium

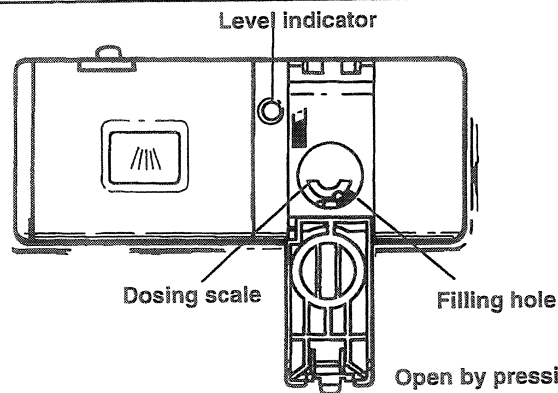
Aluminium can be dulled by machine washing. However, good quality aluminium saucepans can be machine-washed, although you must expect their shine to be dulled.

Plastics

Certain plastics cannot withstand the high temperature of machine washing.

To protect plastics:

- Select a programme at the lower temperature, 55°C.
- Place the plastic items in the upper basket.



*NOTE: After refilling, it may take some time before the indicating lamp goes out.

Topping up with rinse aid

Drying will be faster if you use a rinse aid. The rinse aid indicating lamp on the panel flashes if the machine is out of rinse aid.* An indicator in the cap of the rinse aid container shows whether it is empty. If the indicator appears completely black, there is sufficient rinse aid. If the size of the black spot is reduced, the container requires filling.

The first filling of rinse aid (Finish) is included in the machine when it is delivered from the factory.

Adjusting rinse aid metering

Rinse aid is metered automatically: the setting is adjusted before the machine leaves the factory.

It may be necessary to alter the setting, to adjust the amount of rinse aid metered, depending on the hardness of the water supply. This can be done by opening the right cover. Then you can see the setting. This is normally set at 1. If the water in your area contains lime (over 10–12 °dH), an acid rinse aid (containing citric acid) should be used if the machine is not fitted with its own water softener. The metering setting should be adjusted to 1–6, depending on the hardness of the water. Excessive use of the rinse aid can result in foam formation, particularly when the machine is connected to a cold water supply.

If the water in your area is very soft, you can dilute the concentrated rinse aid with an equal quantity of water.

Dishwashers with water softeners:



Topping up with salt

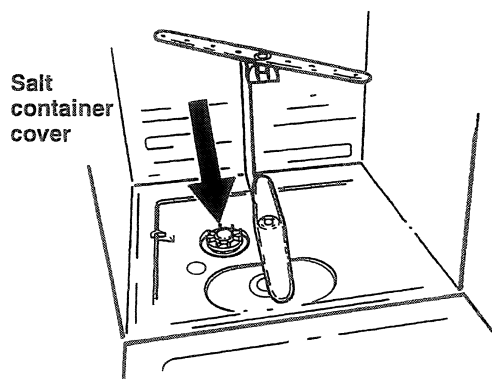
The salt container in machines fitted with water softeners must be pre-filled with water then salt before the machine is used for the first time. Use coarse salt or salt specially intended for use in dishwasher water softeners.

The indicating lamp on the panel flashes if the machine is out of salt. NOTE! After refilling with salt, it may take a while before the indicating lamp goes out.

If the indication does not function, the float under the cover may have got stuck in the salt residues. Push it upwards and downwards to loosen it.


Unscrew the cover of the salt container, as shown in the picture. Insert the funnel, supplied with the dishwasher, into the top of the salt container and fill with salt. Wipe off any spilled salt, so that the cover will seal properly, and replace the cover.

Any salt spilled in the machine must be rinsed away immediately. This can best be done by running a complete programme. For this reason, it is recommended that salt be filled into the machine just before using it to wash up.










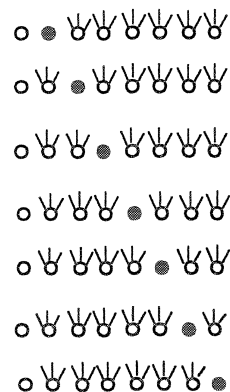
Adjusting the salt dispenser

If the water in your area is very hard, it may be necessary to alter the amount of salt required.

1. Press  5 times within 15 seconds. Then you get into the changing programme. The last programmed water hardness setting is showed by the lamps.

The indicating lamps show:

| | | | | |
|----|-------|---|-------------------------|---------|
| 2. | Press |  | for a water hardness of | 0-9 °dH |
| | " |  | " " " | 10-14 " |
| | " |  | " " " | 15-19 " |
| | " |  | " " " | 20-24 " |
| | " |  | " " " | 25-34 " |
| | " |  | " " " | 35-49 " |
| | " |  | " " " | 50-70 " |



The change will remain till a new change is made.

If no change is made within 2 seconds, the machine will revert to the main programme.

Care of the machine

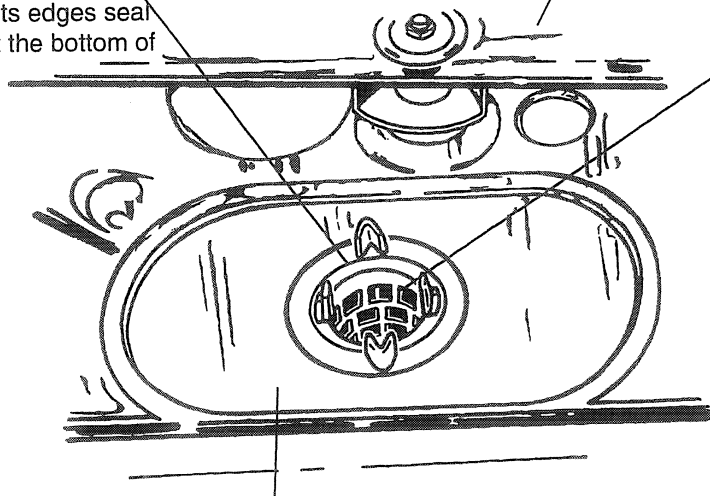
The interior of the machine is manufactured from stainless steel, which is kept clean through normal use. It may, however, be necessary to clean the strainers and spray arms at intervals.

Fine filter

Food residues caught by the fine strainer are flushed away automatically each time the machine is used.

Unscrew the fine strainer sometimes and clean it with a brush.

When replacing the strainer, make sure that its edges seal properly against the bottom of the machine.



Filter

If the filter is dirty, it can be removed and rinsed clean. It can be removed by unscrewing the fine strainer and then simply pulling it straight upwards. Make sure that it clicks into position properly when you put it back.

Spray arm jets and bearings

Pieces of dirt can block the spray arm jet or interfere with smooth running of the spray arm bearings. Undo the nut and lift off the washer on top of the spray arm so that the arm can be lifted off. Use a brush or suitable pointed object to get rid of any dirt.

Coarse strainer

The coarse strainer catches larger particles of food that would otherwise clog the outlet pump. Squeeze the lugs gently toward each other, lift out the strainer and clean it when necessary. Replace it in the reverse manner.

In the bottom the coarse strainer has openings, which let peas and macaronis out. Toothpicks, however, will stay in the strainer.

Outlet pump

You can reach the outlet pump from the inside of the machine. First remove the coarse strainer and the fine strainer.

Then you can remove a small cover in the bottom of the hole.

There you can reach the pump wing and remove eventual dirt.

replace the cover and the strainers.

If the machine does not work

If the machine does not work, check to see whether there is some simple fault that you can rectify yourself. Follow the instructions below.

| <i>Problem</i> | <i>Response</i> |
|---|--|
| The machine will not start | <ol style="list-style-type: none">1. You have forgotten to press the main switch.2. The door is not properly closed.3. A fuse has blown.4. The power supply plug is not inserted in its socket. |
| Water remains in the machine If the machine should overflow with water, the outlet pump will start automatically. If, however, the water does not pump out, the fault may be due to one of these reasons: | <ol style="list-style-type: none">1. Outlet hose kinked Check that the hose is not kinked or sharply bent.2. The strainers are blocked. Clean the coarse and fine strainer and the filter.3. Outlet hose blocked. Check that nothing has blocked the hole where the outlet hose is connected to the sink drain trap. Particles of food can collect as shown in the drawing. Check, too, that the conical connecting pipe is cut so that the internal diameter is as large as possible, but at least 15 mm. |
| Poor dishwashing performance | <p>Check the following points:</p> <ol style="list-style-type: none">1. That the spray arms are not being prevented from turning by items sticking down from the upper basket and that the holes in the spray arms are not blocked by dirt.2. That the spray arms can rotate freely, and are not being slowed by grit in the bearings. Spin the arms by hand: if they do not spin freely, lift them off and clean the bearings and mounts.3. That the machine is admitting sufficient water. Check the inlet hose for kinks or sharp bends. Check that the water pressure is sufficient: 0.15–1 MPa (22–145 PSI).4. That the correct quantity of detergent has been used: see page 5. Do not use old or caked detergent. Keep the detergent dry and cool in a closed pack. Remember that it should be bought and used fresh.5. That the strainer is properly positioned and is clean (see page 10).6. That you have chosen a enough strong programme. |
| Grey film on washed items | <p>A tendency for a grey film to develop on washed items may be due to lime from hard water. The problem can often be alleviated by using an acidic rinse aid, i.e. one containing citric acid (low pH value, as shown on the rinse aid label). If the dishwasher incorporates a water softener, the grey film may indicate that there is no salt left in the softener. Refill it with salt.</p> |

Safety

Door switch

The machine has a door switch which turns off the power and stops the machine if the door should be opened while the machine is in use. The programme will continue when the door is closed.

Note: If the door is open for more than 2 minutes during drying, the programme will be terminated. The machine also has a child safety catch to prevent the door being opened.

Overfill protection

The machine incorporates an overfill protection device, which automatically starts the outlet pump and closes the inlet valve if the water level in the machine should rise to a higher level than normal. If the machine has overflowed, all lamps will be lit.

This protection operates only if the machine is switched on. It is therefore backed up by a further, mechanical protective device in the bottom of the machine. The bottom of the machine is made in the form of a tray, in which water from any leak will collect, lifting a float which electrically turns off the inlet valve and the circulation pump. It also starts the outlet pump. If this safety device has operated, turn off the water at the main supply tap and send for service.

Anti-tip guard



If the machine is installed completely free-standing, it must be fitted with an anti-tip guard.

Protected start procedure

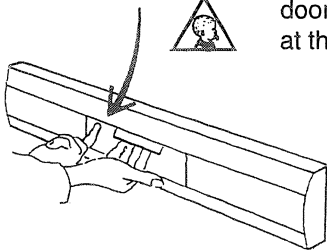


In order to prevent children playing with the pushbuttons from starting the machine, you can program it so that the start pushbutton must be pressed and held for 3 seconds for the machine to start. See page 9.

Child safety catch



The machine incorporates a child safety catch, preventing small children from opening the door and being scalded by hot water or steam. The catch also prevents children from getting at the corrosive detergent.



Engaged



To engage the child safety catch
Slide the catch to the left and turn the trace horizontal with a screwdriver. To open the door, hold the catch with your left hand and pull the main catch with your right hand in the usual way.

Disengaged



To disengage the child safety catch
Slide the catch to the left and turn the trace vertical with a screwdriver.

WARNING!
Wooden items and some plastics are a fire risk if they should fall on to the heating element.

Service and guarantee

Guarantee

For guarantee details, see the guarantee card.

Service

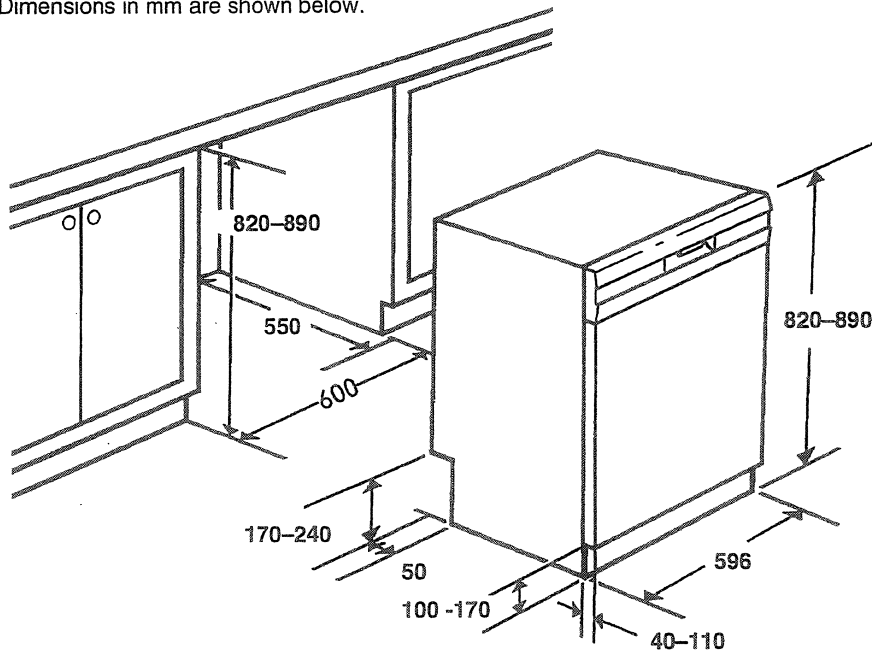
Before calling for service, check to see whether the fault is due to something that you can put right yourself. See the checklist. Where to find service – see information enclosed.

Installation

Building in

The machine is intended to be built in beneath a worktop, sink etc., although it can also be installed completely free-standing, as shown below.

Dimensions in mm are shown below.



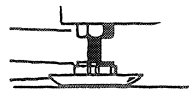
Adjusting the feet

Adjust the height of the machine so that it fits under the worktop etc. (height marked with an asterisk in the drawing above). Adjust the rear feet to keep the machine vertical: it must not lean out of vertical by more than 5 mm. After adjustment, tighten the locknuts to hold the feet in position.

Locknut

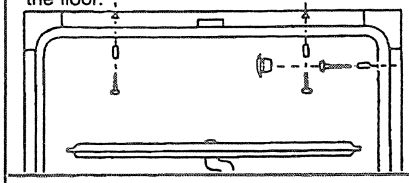
Foot

Load pad



Secure the machine in position

Holes for screwing the machine into position are provided in the side panels. Remove the plastic plugs, insert the screws and then cover the screws with the new plugs. After securing the machine, check that the front feet are still in contact with the floor.



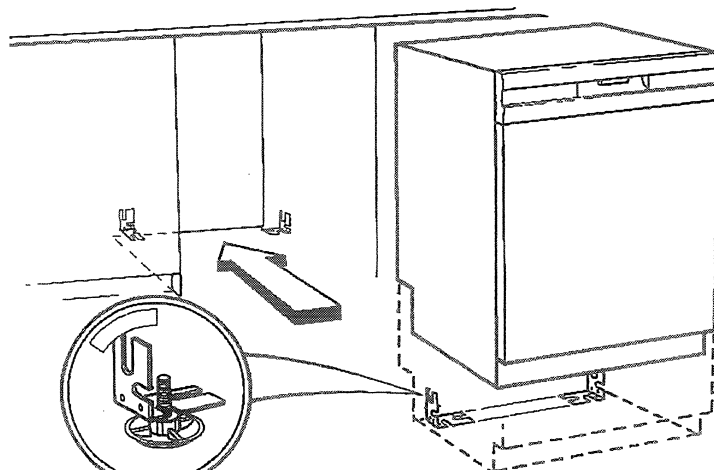
Free-standing installation

If the machine is installed so that either of the sides is visible, a side panel can be fitted. If the machine is completely free-standing, two side panels and a worktop should be fitted. They are available from the dealer from whom you bought the machine. (Depending on country.)

Completely free-standing: Don't forget the anti-tip device!

A completely free-standing machine must be prevented from tipping over. This requires a special locating bracket, which is screwed to the floor/wall/kitchen unit as shown in the diagram.

Push the machine backwards until the bar engages with the rear feet. It is now prevented from tipping forwards if the open door should be pressed down for



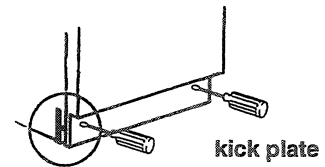
(Not all models)

Adjusting the plinth

In depth

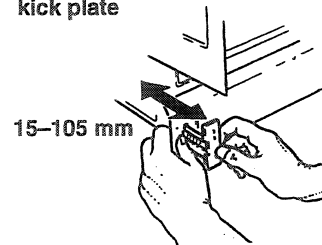
Adjust the plinth depth as follows:

- * Remove the lower cover



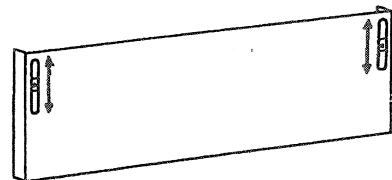
- * Press the spring aside and pull the holder to the required measure.

holder for the kick plate



In height

- * Select the correct kick plate
The dishwasher has two kick plates. Use the lower kick plate if your machine will be 820-845 mm high. Use the higher kick plate if your dishwasher will be 845-870 mm high.



- * Tighten the plate in the suitable holes in the holder.
The kick plate has extended screw slots to allow its height to be adjusted. Position it so that it is in contact with the floor.

Installation (continued)

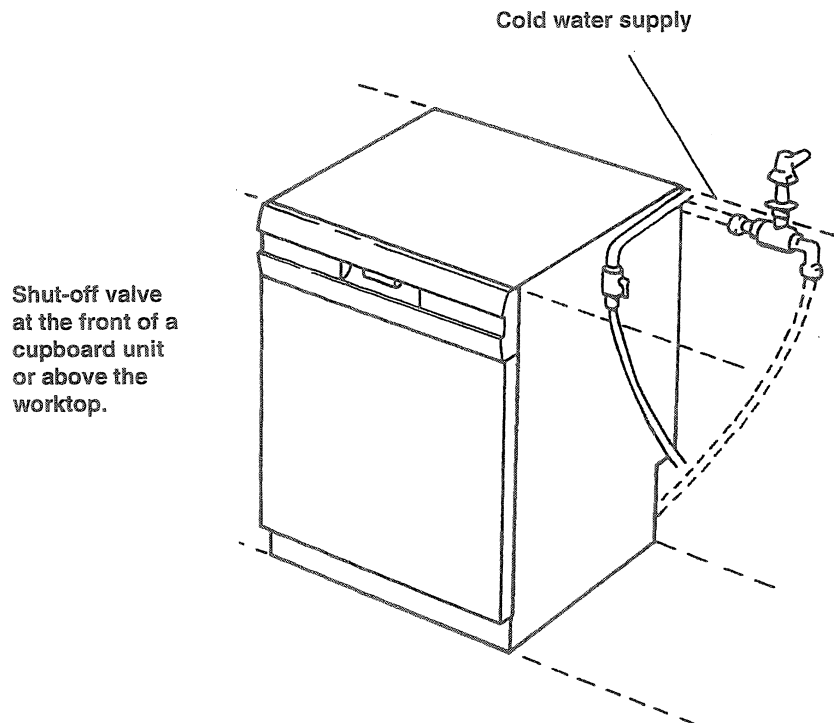
Before installing the machine in position, prepare the electrical, water and drainage connections. Final connections can then be made when the machine is pushed into position, as shown in the drawing on page 19.

Connections to water supply and drainage must be made by a suitable qualified person in accordance with local authority regulations.

Water supply connection

WARNING! The electric plug must be pulled out, or the supply disconnected, while work is in progress.

Winter storage in unheated areas
If the dishwasher is to be stored over the winter in an unheated area, the outlet pump, circulation pump and inlet valve must be emptied of water. Further details can be obtained from your nearest ASKO dealer or agent.
(Depending on country.)



The machine should preferably be connected to a cold water supply. A hot water supply may be used instead. Operating times will then be shorter. Flush the supply pipe before connecting it to the machine.

A shut-off valve must be fitted in the water supply connection. It must be quickly accessible, situated either on top of a sink unit or at the front of a cupboard unit.

It is important that the supply pipe and shut-off valve are adequately sized: a flow of at least 12 l/min must be available.

No non-return valve or siphon breaker is required. The water pressure must be 0.15–1 MPa (22–145 PSI).

When all the connections have been made off, open the shut-off valve and leave the system pressurised for a while before checking for leaks from any connections.

The machine is supplied with the water inlet pipe ready-fitted. It is a cross-linked polyethene pipe (PEX), and is fitted with a 3/4" BSP internal threaded connector. The pipe can be bent as required: take care, however, not to kink it.

If you need to bend the pipe, you can buy a special holder, part no. 88 010 64.

Electrical installation

The machine is supplied with a power cord and plug, and must be connected to an earthed supply.

Single-phase supply

Heater power: 1800 W
Necessary fuse rating: 10 A
Voltage: 230/240 V, 50 Hz

Outlet connection

The machine is supplied with the outlet hose connected.

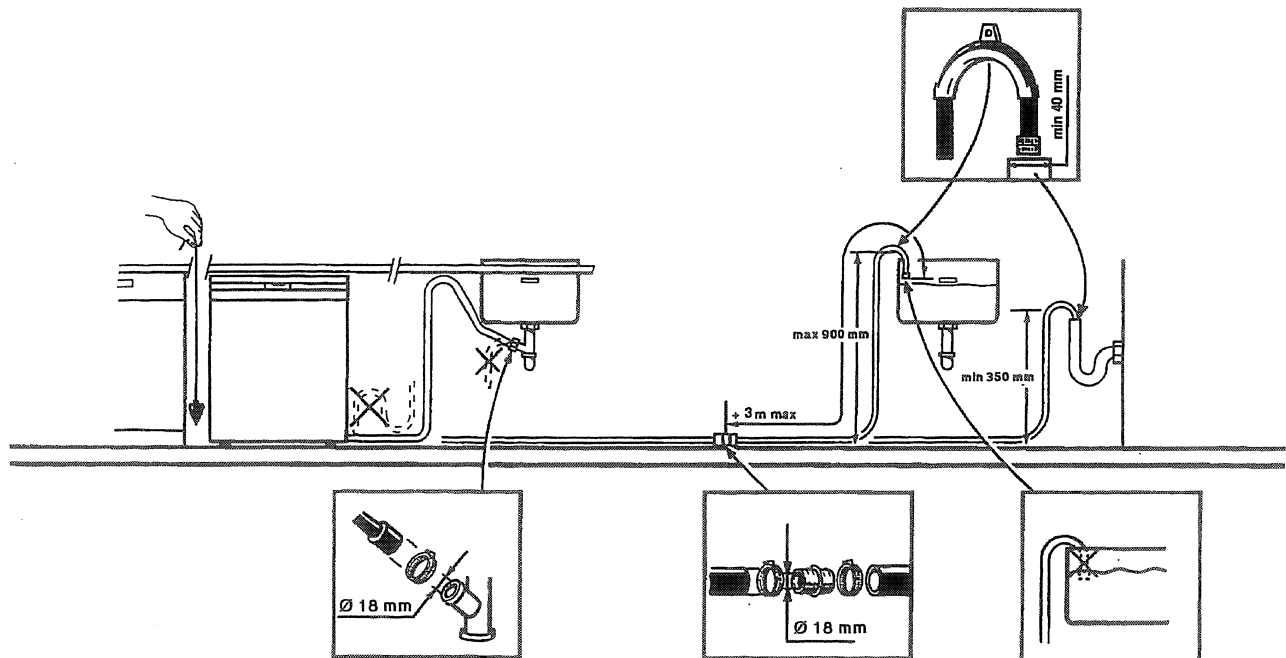
Run the outlet hose to a dishwasher connection tee on the sink drain trap, as shown in the drawing. At some point along its run, the hose must be raised to bring it level with the underside of the sink top. If not, there is a risk of water from the sink running back into the dishwasher.

Note the following points if the machine is connected in any other way:

- * The hose must not be extended by more than 3 m. Joints and extension pipes must have an internal diameter of not less than 18 mm (3/4").
- * No part of the outlet hose may be more than 900 mm above the base of the machine.
- * The hose must not be run directly to a floor drain or similar outlet. If this is done, it can act as a siphon and empty the machine.

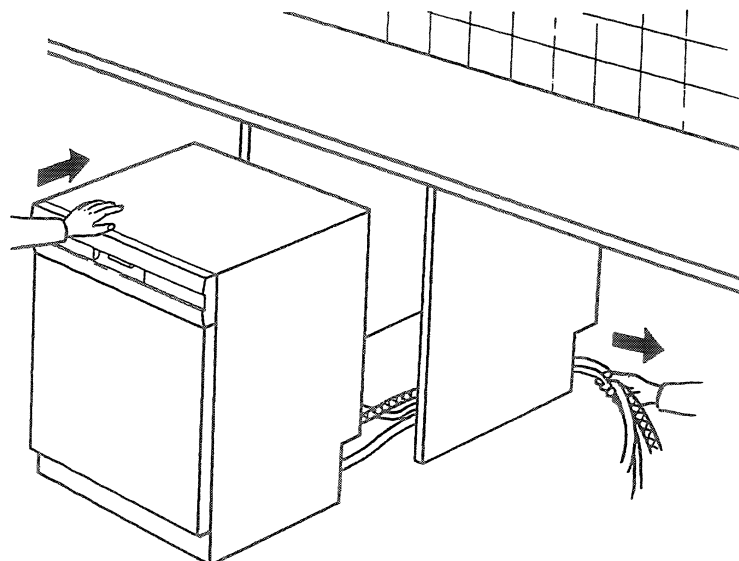
- * The hose must always discharge at least 350 mm above the base of the machine.

Press the hose over a conical connection fitting on the sink drain trap. The fitting must be cut to ensure that the internal diameter is at least 18 mm.



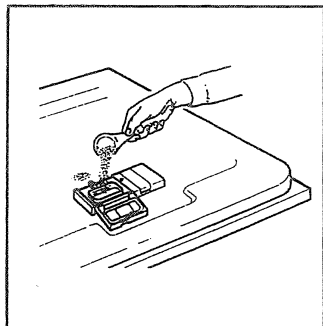
Push the machine into position

When all connections for power supply, water and drainage are ready, push the machine into position, taking up the slack in the outlet hose and supply pipe at the same time. This prevents kinks from being formed in the hose or pipe.

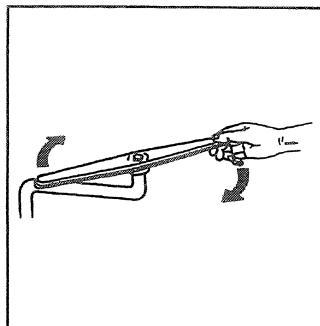


Quick guide

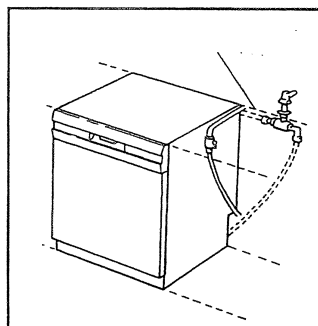
Do as follows



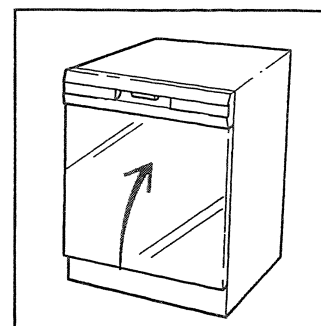
① Load the baskets and fill with detergent.



② Check that the spray arms can rotate freely ...



... and that the water is turned on.



③ Close the door and select the programme. Start the machine.

Choose the right programme

| Programmes | Symbols | Rec. temp. |
|-------------------|----------|------------|
| Intensive wash | | 70° |
| Economy | | 65° |
| | E | 65° |
| Normal wash | | 55° |
| | | 55° |
| Economy | E | 55° |
| Quick wash, 55° C | | 55° |
| Quick wash, 45° C | | 45° |
| Rinse & Hold | | |

To get the best dishwashing performance, use Finish or Calgonit detergent and rinse aid.



It is not permitted to make any changes to the specifications of the machine without the written permission of the manufacturer.