

ÖKO_LAVAMAT 1480 TURBO sensortronic

The ecological washer-dryer

Operating Instructions

Allow me to introduce myself

I am AEG's ÖKO LAVAMAT washer-dryer. I'm very economical with electricity, gentle with your laundry, particularly quiet when I'm working, simple to use and easy to care for.

If, before using me, you read and carefully follow the instructions in this book, you are sure to be very happy with the way I wash and dry your laundry!



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Warnings

Before installing...

- Follow the instructions for installation and electrical connection.
- Do not connect the appliance if it is damaged (for example during transport).
- Any water found in the detergent dispenser drawer is there as a result of factory testing.
- To remove any manufacturing residues from the drum and detergent dispenser drawer, carry out a wash cycle without any laundry, with the machine set on the 60°C coloureds programme and with 1/2 a measure of detergent.

Warnings (washing)

AEG household electrical appliances comply with general technical safety manufacturing standards and with all safety regulations on the use of electrical appliances. However, the manufacturer is obliged to bring the following safety points to the attention of the user:

- Before using the appliance, make sure that the voltage and type of current indicated on its rating plate correspond to the mains voltage and type of current in the place where it is to be installed. The rating plate also gives details of the electrical protection required.
- If the appliance is installed in a location which is not insulated against frost, the emergency emptying procedure (see "Emergency emptying") should be used whenever there is any risk of the temperature dropping below zero.
- Always disconnect the appliance before cleaning it or carrying out any maintenance. To be absolutely safe, check that the plug is removed from the socket or that the mains switch or safety circuit breaker are in the OFF position (see instructions for installation and electrical connection).
- Avoid spraying the appliance with water.
- Never remove the plug from the socket by pulling the cable; always take hold of the plug itself!
- Never start the appliance if:
 - the power supply cable is damaged
 - there are obvious signs of damage in the control panel area, to the top or along the base.
- **Repairs must only be carried out by qualified persons. Inexperienced repairs can seriously endanger the user.** Always contact the Service Centre or an authorized dealer. Only genuine AEG spares comply with all standards!

- If the appliance is to be installed under a worktop in a fitted kitchen or laundry room, the appliance cover must first be removed and a protective plate must then be fitted, as described in the installation instructions.
- Do not allow children to play with the appliance and keep pets well away from it.
- For safety, when disposing of the appliance make sure that the door catch is inoperative and cut off the power supply cable.
- The Manufacturer accepts no liability for damage caused by incorrect or improper use of the appliance for purposes for which it was not originally designed.
- Never put your hands in the drum whilst it is still rotating.
- Never touch the glass in the porthole door when the appliance is being used on a high-temperature programme; the glass gets very hot and can cause burns.
- There is a danger of scalding if the porthole door or filter cover are opened during operation.
- The water drain hose must be properly fixed to avoid any risk of scalding or flooding.
- In the event of a fault, close the mains water taps and disconnect the appliance from the power supply by pulling out the plug or switching the safety circuit breaker (or breakers) to the OFF position.
- Keep packaging materials away from children, especially cellophane which is particularly dangerous.
- If washing garments which have previously been dry cleaned, first make sure that any remaining inflammable solvents have completely evaporated.
- If the appliance is to be connected to a rainwater or other similar source of water instead of the mains water supply, follow the Water Board regulations.
- The appliance must only be used to tumble dry normal household laundry.
- Dry only laundry which has previously been washed in water.
- It is quite normal for the sides of the appliance to get hot during drying. Avoid touching them!

**Warnings
(drying)**

- Never tumble dry quilted garments containing foam rubber or similar materials; they could catch fire.
- Never tumble dry fabrics stained with hair lacquer, nail varnish remover or other similar substances which would give off toxic fumes.
- Laundry dried in a tumble dryer comes out soft to the touch. This means you can help protect the environment by using less fabric softener in the wash.
- If so-called "ecological" or "perfume-free" detergents are used, tumble-dried laundry may not have the typical "smell of freshness". This is not due to a fault in your appliance, but simply to the natural smell of the fabric which is not neutralised during washing because the detergent contains no deodorants.

The Manufacturer accepts no responsibility for accidents resulting from failure to observe the above safety recommendations.

The AEG ÖKO-System / Ecological hints



This new machine is part of AEG's ÖKO-System range, which meets all requirements for modern handling of laundry with reduced consumption of water, energy and detergent.

This is a rinsing and spinning process developed by AEG which ensures the best washing results with reduced water consumption.

The automatic metering device automatically regulates the amount of water used according to the size of load and type of fabric.

The drum is fitted with special paddles which keep the water moving upwards. In this way, the laundry is soaked more evenly and faster.

Preliminary softening of the water, achieved by means of a two-stage device for dispensing the softener and detergent, ensures ecological operation even in very hard water areas.

All the materials used for packaging are non-polluting! They may be disposed of quite safely.

Plastic materials can be recycled and are marked with the following symbols:

- >PE< polyethylene
- >PS< polystyrene
- >PP< polypropylene

You are advised to dispose of all cardboard packaging in special paper collection containers so that it can be recycled.

Sensortronic

Automatic metering

Drum paddles

Preliminary water softening

Packaging information

Ecological suggestions for economical washing

- For medium soiling, use programmes without prewash. This will save detergent and water.
- Make full use of all the advantages offered by two-part detergents.
- Always wash full loads for maximum savings.
- Use the "ENERGY SAVING" (Economy) programme for normally or lightly soiled cottons and coloureds.
- For best results, even at low temperatures, remove individual stains from laundry before washing.
- Use minimum amounts of detergent. Follow the instructions on the pack.

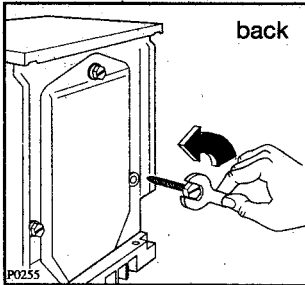
Installation instructions

All transit devices must be removed before installing and connecting the appliance.

Removing the transit devices

Proceed as follows:

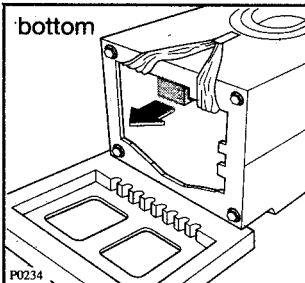
Using a spanner, remove the bolt on the right at the back of the machine.



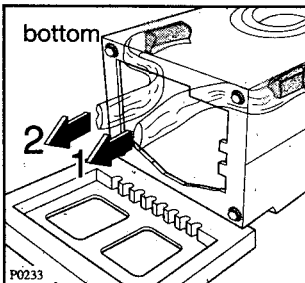
Gently lay the machine on its back, taking care not to squash the hoses.

This can be done more easily by placing one of the corner packing pieces between the machine and the floor.

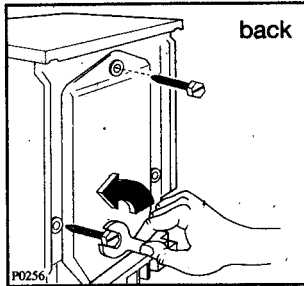
Remove the polystyrene packing piece.



Peel off the adhesive strip and carefully remove the right-hand polythene bag (1), then the left-hand bag (2) by pulling both towards the centre of the machine.

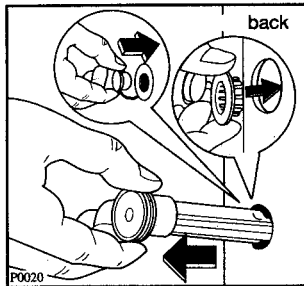


Set the machine upright and unscrew the remaining two bolts on the back.



Remove the three plastic pins from the holes in which the bolts were fitted.

Blank off the holes with the plastic plugs supplied, which you will find in the bag with the instruction book.

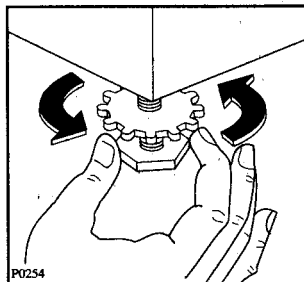


Hint:

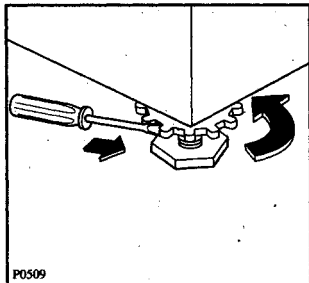
Keep all transit devices for re-use in case you move house.

Positioning

The machine stands on four adjustable rubber feet which can be used to compensate any unevenness in the floor or to adjust the machine to the correct height.



Lock the feet in position by fully tightening up the locknuts.



The appliance must be level and resting on all four feet. It must not tilt when pressure is exerted on one side only. If necessary, use a spirit level to check that it is perfectly level.

The floor must be clean, dry and free of any wax residue or other polish to prevent any risk of sliding. Never use viscous substances to move the appliance by sliding it across the floor!

It is inadvisable to stand the appliance on long pile carpet or rugs or on layers of foam rubber, as this could make it unstable. Place a rubber mat beneath the appliance if the floor is made of very small tiles.

If the appliance is to be placed on non-solid flooring, especially made of wooden joists and flexible boards, a waterproof wood panel, 15 mm thick, must be secured with screws to at least two of the floor joists. If possible, the machine should be placed in a corner of the room, as this is where the joists are most firmly fixed and have less tendency to flex:

Never use wedges of wood, cardboard or other similar materials to compensate for unevenness in the floor.

If space is tight and you cannot avoid placing the machine next to a gas oven or coal burning stove, a sheet of insulating material (85 x 57 cm), covered with aluminium foil on the side facing the oven or stove, must be fitted between the two appliances.

Before building the machine in under a fitted kitchen worktop, remove the cover and install a special protective plate, which is available from your local Service Centre, part number 645 426 133.

Connection

Electrical connection

Details of the mains voltage, type of current and protection required are given on the appliance rating plate which can be found on the frame, after opening the porthole door.

WARNING: THIS APPLIANCE MUST BE EARTHED.

The manufacturer declines any liability should this safety measure not be observed.

If the plug that is fitted to your appliance is not suitable for your socket outlet, it must be cut off and the appropriate plug fitted.

Remove the fuse from the cut off plug.

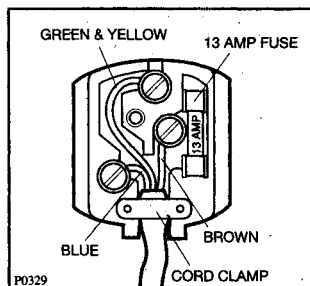
The cut off plug should then be disposed of to prevent the hazard of shocks in case it should be plugged into a 13amp socket in another part of your home.

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

- Green and Yellow - Earth
- Blue - Neutral
- Brown - Live

If you fit your own plug, the colours of the wires in the mains lead of your appliance may not correspond with the markings identifying the terminals in your plug, proceed as follows:



Connect the Green and Yellow (earth) wire to the terminal in the plug which is marked with the letter «E» or the earth symbol (⊕), or coloured green and yellow.

Connect the blue (neutral) wire to the terminal in the plug which is marked with the letter «N» or coloured black.

Connect the brown (live) wire to the terminal in the plug which is marked with the letter «L» or coloured red.

The plug moulded onto the lead incorporates a fuse. For replacement, use a 13amp BS1362 fuse. Only ASTA or BSI approved fuses should be used.

The plug must not be used if the fuse cover/carrier is lost. The cover/carrier is indicated by the coloured insert at the base of the plug.

A replacement cover/carrier must be obtained from your local AEG Service Centre.

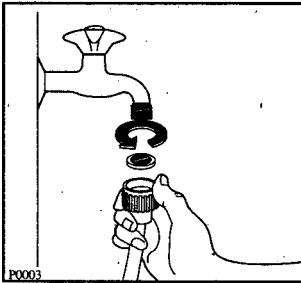
This appliance complies with the E.E.C. Directive No. 87/308 of 2.6.87 relative to radio interference suppression.

If the appliance is to be permanently connected to the power supply you must install a circuit breaker with a gap of at least 3 mm between the contacts, which enables the appliance to be completely isolated from the mains supply.

The mains supply cable must not be extended. If it is not long enough, replace it with a new, longer cable or move the appliance closer to the power socket.

The appliance has two inlet valves, hot and cold, with female 3/4" BSP thread connectors. The water inlets on the back of the machine are colour coded, blue for cold and red for hot. Before connecting the hoses be sure to fit the mesh filters supplied.

**Connection to
the mains
water supply**



If only a cold water supply is available, connect the two hoses to a cold water outlet by means of a «Y» connection piece.

Installation should comply with local water authority and building regulations' requirements.

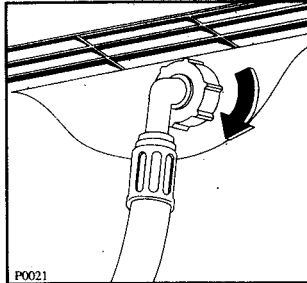
The appliance must be given a separate cold water supply and not be connected to a mixer tap, a single outlet water heater or a booster pump. A minimum water pressure of 7psi is required for safe operation of the appliance.

If you cannot make the cold water connection direct from the rising mains, you may be able to operate the appliance from your cold water storage system.

There should be a minimum distance of 5.02m (16 1/2 ft) between the appliance's inlet and the bottom of the tank.

There will be sufficient pressure for the hot water supply from the hot water cylinder if the height between the appliance's inlet and the bottom of the cold water storage cistern (not between the appliance and hot water cylinder) is at least 2.74m (9ft).

The end of the hose connected to the back of the machine can be turned in any direction. Simply slacken the connector fitting, position the hose as required and fully tighten the connector to avoid leakage of water.

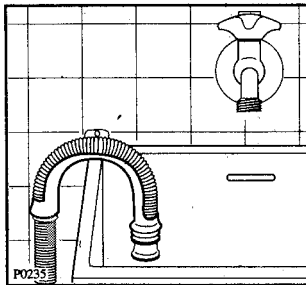


Water drainage

Every appliance is fitted with a pump for discharging the wash and rinse water. This pump is controlled by the programme selector mechanism and is capable of pumping water through the drain hose to a height of up to 1 m above the surface on which the machine is standing.

The curved end of the drain hose can be positioned in two ways:

Hooked over the edge of the sink. In view of the speed with which the water comes out during the discharge phase, it is important to ensure that the curved end of the hose cannot slip off the edge of the sink. It should therefore be tied to the tap with a piece of string or secured to the wall with a hook, by inserting the hook into the hole provided in the curved part of the hose.



Joined into a branch of the sink waste pipe. The branch must be above the sink trap and at least 60 cm above the floor.

The drain hose may be extended up to a maximum length of 180 cm. Use an extension with an internal diameter the same as that of the original hose. Use a suitable connector.

The hose extension must rest on the floor and only the part near the drainage point must be raised.

Brief instructions

- **Prepare the laundry**

Sort and select garments, carry out any pre-treatment.

- **Switch the machine on**

Press the ON/OFF button

- **Select the programme**

Turn the selector dial to the required programme

Press any option buttons required

- **Open the porthole door**

- **Load the laundry into the machine**

- **Close the porthole door**

- **Measure out the detergent**

- **Press the START/PAUSE button**

- **At the end of the programme**

Open the porthole door and remove the laundry.

- **Release the ON/OFF button**

Preliminary operations for washing

Sorting and selecting garments

- Check that garments are machine-washable by looking at the international wash code symbols on the label.

Whites



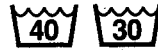
Coloureds



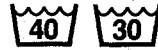
Synthetics




Delicate fabrics



Wool



- Sort clothing according to type of fabric, degree of soiling and wash temperature.
- Wool garments marked with only the  symbol should not be washed in your machine, but those on which the symbol is accompanied by the words "non felting" or "machine-washable" may be machine-washed.
- **Never** machine-wash garments labelled with the following symbols:

Hand wash only



Do not wash in water



Dry clean only



Do not dry clean



May be bleached



Do not use bleach



- Always follow the instruction "Wash separately".
- New coloured items often contain excess dye which could run and stain other, lighter items in the wash. It is advisable to wash these items separately the first time.

Pre-treatment

If possible, treat stains when they are still new. Use water, soap or suitable detergents (stain remover spray, stick, paste, etc.).

- Empty all pockets
Be particularly careful to remove metal objects (paper clips, safety pins, loose change, etc..).
- Do up buttons and hooks, close zips and press studs.
- Tie up loose belts or long apron strings.
- Turn woollen garments, coloured embroidered garments and those with sewn-on designs inside out.
- **Very small or delicate items** (e.g. baby socks, tights) can be protected by placing them inside a pillowcase with zip fastener, or inside long socks.
- **Treat net curtains with special care.**
The fabric may be damaged by opening the window or when removing the curtains for washing (pulled threads). Remove metal or plastic hooks or enclose in a net or cloth bag.
The manufacturer accepts no responsibility for any damage.
Net curtains should be spin dried only if the manufacturer's label states that this may be done.

Precautions

Whites/coloureds (cotton and linen)	5.5 kg
Soak	5.5 kg
Easy care fabrics	2.3 kg
Delicate fabrics	2.3 kg
Curtains	15-20 m ² depending on type of material
Woolens	1.0 kg
Quick wash programme for cottons/coloureds	2.75 kg
Quick wash programme for easy care/delicate fabrics	2.3 kg

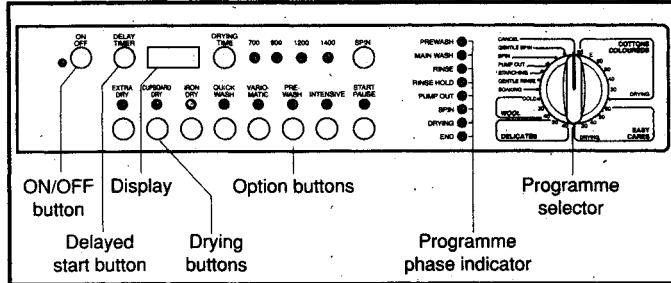
Load sizes (Maximum load of dry laundry)

Whenever possible, load the machine to maximum capacity; full loads are more economical.

Do not however exceed the maximum load as this could lead to poor washing results.

Reduce the load when washing fabrics which are particularly subject to creasing.

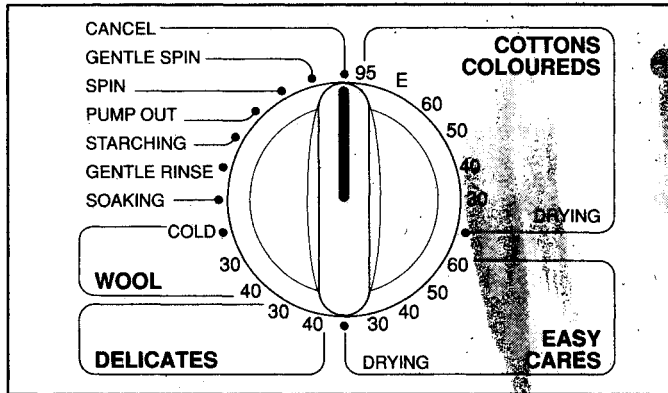
Selecting the programme



Programme selector/Switching on

The programme selector knob may be turned clockwise or anti-clockwise.

When the ON/OFF button is pressed the machine switches on (power ON) or off.



You may select normal washing and drying programmes, or the following special programmes:


ECONOMY For normally or lightly soiled cotton and linen whites the ECONOMY (E) programme may be used instead of the 95°C programme. The duration of the programme will be prolonged, but the washing temperature is reduced to about 67°C, so saving energy.

SOAKING For heavily soiled fabrics (except wool) the SOAK programme may be selected.

The cycle is performed at 40°C and ends with water in the drum. To drain the water depress the START/PAUSE button. After 18 hours soaking the water is drained automatically.

This programme allows you to rinse and spin separately, items which have been washed by hand.

GENTLE RINSE

This programme is for garments which have just been washed and need starching. Dissolve powdered starch or dilute liquid starch, then pour it into the dispenser compartment marked with the  symbol.

STARCHING

Water may be pumped out at the end of a programme, without spinning.

PUMP OUT

Spin for cottons and coloureds.

SPIN









Spin for easy care/delicate fabrics and for woolens.

GENTLE SPIN

Cancels the previously selected functions

CANCEL

Programme phase indicator

PREWASH	
MAIN WASH	
RINSE	
RINSE HOLD	
PUMP OUT	
SPIN	
DRYING	
END	

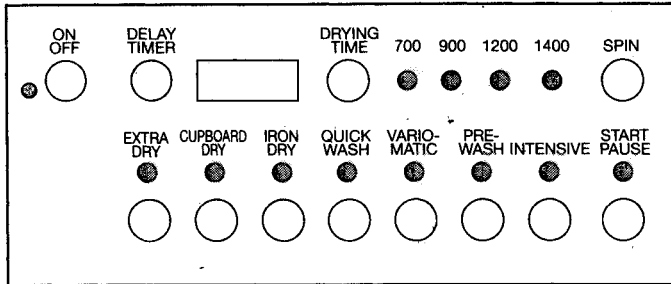
When a programme is selected, the lights corresponding to the phases making up the programme come on.

When the programme starts, the light corresponding to the programme phase in progress comes on.

The end of the programme is indicated by the END light.

Option buttons and functions

When these buttons are pressed, the corresponding pilot lights come on. When they are pressed again, the lights go out. If a button whose function is not compatible with the programme selected is pressed, all the lights will start to flash. After about 1 second, they will go out.



ON/OFF ■ ON/OFF button

When this button is pressed, the machine switches on. The pilot light on the left comes on.

The pilot light corresponding to the Start/Pause button flashes and the programme phase indicator shows the different phases that make up the cycle.

When the button is pressed again, the machine switches off.

DELAYED START ■ Delayed start

Depressing this button results in a delay in starting up of the machine.

This delay can be of up to 19 hours.

This button must be depressed before activating the Start/Pause button.

The display shows the selected time. After 1 minute, the machine starts an hourly count down to the selected programme start up time. This time appears in the display.

By depressing the button again (until the display goes out) this function is cancelled and the programme previously selected begins.

■ Spin

700 - 900 - 1200 - 1400

This button allows you to select a slower spin speed than normal. If this button is not pressed spinning will automatically be performed at the maximum speed for the programme selected.

This is important when wishing to dry laundry in the machine because you will save time and energy and you will obtain better results with electronic drying.

If you select 900 or 700 rpm for cottons/coloureds the machine will carry out an extra rinse.

By selecting 700 rpm for cottons/coloureds it is not possible to dry automatically after washing.

Easy cares and wool are spun at a maximum of 900 rpm. The spin speed may be reduced from 900 to 700 rpm.

For delicate fabrics, the maximum spin speed is 700 rpm.

If you select 700 rpm for easy cares, the machine will rinse with more water.

■ Quick wash

The quick wash option may be selected with all programmes, except the following: Economy, wool, delicates, intensive and all programmes with prewash. It is particularly suitable for lightly soiled loads. The washing time is reduced.

■ Variomatic

A specially gentle spin may be selected with all programmes, giving the following effects:

– for cottons and coloureds, starching and spin programme

a VARIOMATIC spin programme is performed before the normal final spin. The spin takes place in stages, so allowing the laundry to untangle itself during and at the end of the spin programme. The cycle time is increased.

– for easy cares/delicate fabrics

The "Rinse Hold" phase is eliminated and a single gentle spin is performed at a maximum of 900 rev/min for easy cares, and 700 rev/min for delicate fabrics.

– for wool

The "Rinse Hold" phase is eliminated and a single gentle spin is performed at a maximum of 900 rev/min.

SPIN

QUICK WASH

VARIOMATIC

PREWASH ■ Prewash

A programme with prewash may be selected for heavily soiled items.

Result:

A prewash cycle at a maximum temperature of 40°C is performed before washing.

The prewash function cannot be used with the wool programme or when the QUICK WASH button is depressed.

INTENSIVE ■ Intensive

The intensive option may be selected with all programmes except ECONOMY, WOOL, DELICATES and when the QUICK WASH button is depressed. It allows thorough washing of heavily soiled laundry. The wash cycle time is extended by 10 minutes.

START/PAUSE ■ Start/Pause

After the machine has been switched on, the pilot light over this button starts to flash.

When the button is pressed, the programme starts and the pilot light goes out.

To interrupt the programme or to open the porthole door in the middle of a programme, press this button again. The pilot light will start to flash.

The door can only be opened after about 2 minutes.

When the button is pressed again, the programme resumes and the light goes out.

Important: The door can only be opened if the water level is lower than the bottom of the porthole. Otherwise, the water must first be pumped out.

The START/PAUSE button can also be used to pump out the water after the SOAK programme and after a RINSE HOLD programme: the soaking water is only pumped out, whilst in the other programmes the machine will perform a short spin.

Detergents

Any of the modern, commercially available detergents made for use in domestic washing machines may be used.

The type of detergent used depends on the type of fabric and soiling.

The various types of soiling are:

- **Dirt**, e.g. dust, soot, sweat, organic stains, etc.
- **Stains which respond to bleach**, e.g. red wine, fruit, vegetables, etc.
- **Protein stains**, e.g. blood, milk etc.

Detergents are available in the following forms:

- **Powder detergent**, with bleaching agent
- **Liquid detergent**, without bleaching agent
- **Colour-safe detergents for delicate fabrics and colours**, without bleaching agent and often also without whiteners
- **Detergents for wool**, without bleach or enzymes, which will not damage wool fibres.
- **Detergents for net curtains**, with optical whiteners and substances which prevent the curtains from yellowing in sunlight.
- **Building-block-system detergents** which allow separate dosing of the basic detergent, water softener and bleaching agent.
- **Water softening agents** to reduce the hardness of tap water.
- **Bleaching agents or stain removing salts**, for concentrated use on stains or as an additive with bleach-free detergents.
- **Pre-treatment agents**, for removing stains prior to washing.
- **Fabric softeners**, to eliminate static charge for easy cares and to make fabrics feel soft.
- **Starches and dressing agents**, to make garments hold their shape and make them easier to iron.
- **Dyes and colour removers** may be used in the washing machine only if indicated on the product pack.

Choice of detergent

Amount of detergent

The amount of detergent used depends on the size of load, water hardness and degree of soiling.
Refer to the instructions on the products.
Information on the hardness of water in residential areas can be obtained from the Local Water Authorities.

Water hardness		
Level of hardness	Clarke degrees	°T.H. (French degrees)
I - soft	less than 8	less than 13
II - medium	8-14	13-24
III - hard	15-21	25-36
IV - very hard	more than 21	more than 36

If the detergent manufacturer gives no indication of how much detergent to use for a part load, we recommend that you reduce the detergent measure by 1/3rd for a half load and that you use a half measure of detergent for a minimum load.

Preliminary water softening

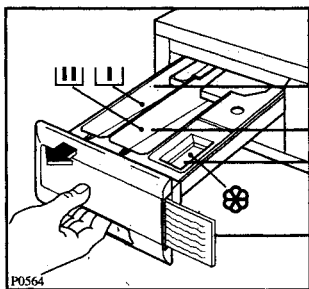
The washer-dryer is fitted with a special device for preliminary softening of the water by dispensing the softener and the detergent in two stages. In **programmes without prewash** it enables the softener and detergent to be dispensed separately for increased saving on detergent, and therefore less water pollution.

Separate dispensing of the two substances means that initially, only the softener is added to the water. When the detergent is then added, because the water is already soft, it starts to act immediately on dirt in the fabrics. This process ensures optimum washing results, even with minimum measures of detergent.

Normal water softening agents should be measured out according to the hardness of the water, following the instructions on the pack but, because of the preliminary softening device, you may reduce the quantity by 20%. In this case, always use the amount of detergent recommended on the detergent pack for **level I hardness of water (soft)**.

Even when a **prewash programme** is selected, it is still possible to protect the environment. Pour the detergent and water softening agent together into the prewash and main wash dispenser compartments.

You may obviously continue to use normal detergents without softening agent, using an amount based on the pack recommendations and the degree of water hardness.



Softening agent or prewash detergent
Main wash detergent
Liquid additives
Programme chart

Warning:

- For programmes **with Prewash** in which the softening agent and detergent are poured into the same dispenser compartment, always pour in **first the detergent and then the softening agent**.

- If you prefer **liquid detergents**, use the dispenser supplied with the product.

- The measure of liquid additive used **must not exceed the 'MAX' level mark on the dispenser drawer**.
- If **thick fabric softeners or concentrated starches** are used, it is advisable to dilute them by pouring water into the dispenser compartment, up to the 'MAX' level mark.

- On the programme chart you will find the main washing and drying programmes.

Using the detergent













Powder detergents

Liquid detergents

Liquid additives

Programme chart

Programme chart (Washing)

Washing symbols used on fabric labels	Programme selector	Max. load
    Cottons/coloureds	Whites 95 Coloureds 60 50 40 30	5.5 kg
 Cottons (Whites)	Energy saving programme (Economy) E	
   Easy cares (synthetics, mixed fabrics)	Easy cares 60 50 40 30	2.3 kg
  Synthetics/net curtains/ Dresses and jackets	Delicates 40 30	2.3 kg
  Wool/Wool mixtures/ Silk	Wool 40 30 COLD	1 kg
Cottons/ easy cares	Soaking	5.5 kg 2.3 kg
Easy cares/Delicates/ Wool	Gentle rinse	2.3 kg 1 kg
Cottons/Coloureds	Starching	5.5 kg
All fabrics	Pump out	5.5 kg
Cottons/Coloureds	Spin	5.5 kg
Easy cares/Delicates/ Wool	Gentle spin	2.3 kg 1 kg
	Cancel	

Suitable option buttons

PRE-WASH QUICK WASH INTENSIVE VARIOMATIC

PRE-WASH VARIOMATIC

PRE-WASH QUICK WASH INTENSIVE VARIOMATIC

PRE-WASH VARIOMATIC

VARIOMATIC

VARIOMATIC

VARIOMATIC

End of programme

Opening the porthole door - Switching off

At the end of the programme, open the porthole door when the END light comes on.

Check that the drum has been completely emptied to avoid any items accidentally left there being damaged in a subsequent wash (e.g. shrinking), or their colour running into the next laundry load. Clean the filter, especially after a drying programme.

Special rinse

The machine always operates with minimum water consumption.

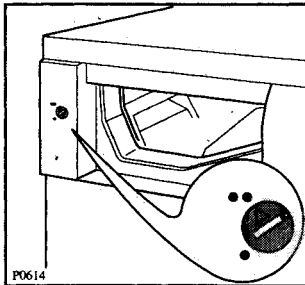
Selecting an additional rinse cycle

An additional rinse may be selected with programmes for cottons and easy cares.

This increases both the amount of water used and the programme time.

Additional rinse adjustment device

- Pull out the detergent dispenser drawer until the rinse water adjuster is accessible on the left-hand side.
- Use a coin to turn the adjuster to the (••) symbol.



P0614

Preliminary operations for tumble drying

All washer-dryers consume power to dry laundry. The machine will operate most economically if the advice below is followed:

■ Remove as much water as possible from the laundry!

The machine will use less energy **if the laundry is thoroughly spun** before drying. A good spin reduces power consumption, shortens the drying time and enables the machine to operate more economically.

■ Use optimum loads!

Keep to the loads recommended in the programme chart to ensure economical drying. The following list may be used as a guide to estimate the weight of common laundry items:

Weight

Approximate dry weights of cotton items:

Bathrobe	1200 g
Work shirt	300-600 g
Quilt cover	700 g
Sheet	500 g
Blouse	100 g
Towelling towel	200 g
Tea-cloth	100 g
Man's shirt	200 g
Pillowcase	200 g
Nightdress/pyjamas	200-250 g
Tablecloth	200-300 g
Underwear	250 g

As a dryer, the machine operates on the condensation principle. However, **even during the drying cycle, the water tap must be left open and the water drain hose must discharge into a sink or into a drain connection.**

Load

Cottons/coloureds	max. 3 kg
Easy cares	max. 2 kg

Warning:

Washing loads which exceed these weights must be split for drying, otherwise good results will not be achieved.

Protect the environment...

Preparation for tumble drying

**Items not
suitable for
tumble drying**

Particularly delicate fabrics such as synthetic net curtains, garments made of wool or silk or with metal inserts, nylon stockings, bulky items such as anoraks, bed covers, quilts, sleeping bags should not be tumble dried.

**Drying code
symbols**

Always check whether garments are suitable for tumble drying. This information is given on the label. The following symbols are for drying:



May be tumble dried




Normal drying (normal temperature)



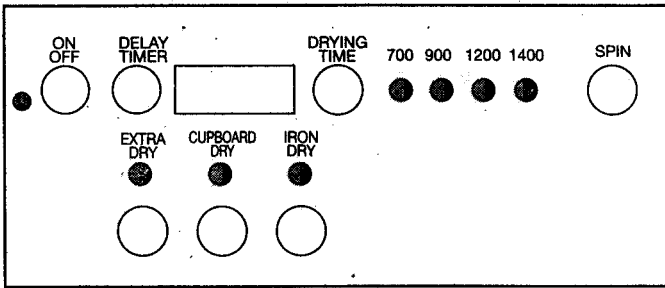
Delicate drying (reduced temperature)



Do not tumble dry

Garments marked with the  symbol must never be tumble dried.

Selecting the drying programme



Time controlled drying

If you wish to carry out a drying cycle on its own, turn the programme selector knob to DRYING. This is possible only in the sector for cottons and easy care fabrics. Digit 10 will appear in the display.

Drying only

DRYING TIME selector button

With this button, the drying time can be adjusted in 5 minute increments, up to a maximum of 130 minutes for cottons and coloureds, or up to a maximum of 100 minutes for easy care fabrics. The time selected appears on the display next to the button.

When selecting the drying time, take into account the type of fabric to be dried (cottons, coloureds, easy cares) and the degree of drying required (extra dry, cupboard dry, iron dry).

Refer to the chart.

When selecting the drying time, you should also remember that it includes a 10 minute cooling phase.

For example, if you select a drying time of 60 minutes, the machine will dry for 50 minutes and will then cool for the remaining 10 minutes.

As soon as the drying programme is started, the display shows the remaining time, counting down in minutes.

If you wish to delay the programme start, select the desired time by depressing the relevant button and then depress the START/PAUSE button.

Cooling phase

10 minutes before the end of the cycle, an automatic cooling phase is carried out to cool the laundry.

This phase cannot be shortened, stopped or avoided, as this could cause skin burns or damage to the laundry.

Duration of drying cycle

The duration can vary according to:

- the speed of the final spin;
- the required degree of drying (extra dry, cupboard dry or iron dry)
- the type of laundry
- the size of load.

The chart on pages 34-35 shows normal drying times. With a little experience, you will soon come to know the most suitable drying times for your own laundry requirements.

Electronically controlled drying

Turn the programme selector knob to DRYING (cottons/coloureds or easy cares).

DRYING selector buttons

With these buttons you can select the suitable degrees of dryness.

The light corresponding to the selected dryness level comes on. It goes out by depressing the button again.

You can choose also the delayed start option by depressing the relevant button.

At the start of the drying programme the machine automatically regulates the duration of the drying cycle: the clothes are dried until the selected degree of dryness is reached.

The following are the degrees of final drying which can be selected:

EXTRA DRY

- **Extra Dry** (only for cottons/coloureds)

Ideal for towelling materials (bathrobes, bath towels etc.).

CUPBOARD DRY

- **Cupboard dry**

Suitable for items which you want to put away without ironing.

IRON DRY

- **Iron dry**

Suitable for items which need ironing.

The laundry is slightly damp.

Porthole door lock

After having started the required drying programme, the door stays locked throughout the whole cycle.

Fibre residues

After drying fabrics which lose bits of fibre, for example new

towels, it is advisable to carry out a delicate drying cycle to ensure that any residue left in the drum is completely eliminated and does not stick to laundry in the next load.

You should check the filter after each drying cycle and clean it if necessary.

Additional drying

If, at the end of the programme, the laundry is still too damp, an additional drying cycle may be selected.

Warning: Do not over-dry, so as to avoid creasing or shrinking of garments.

NON-STOP operation can be used for

cottons
easy cares
starching
spin

It cannot be used for delicate fabrics and wool.

Warning: When using NON-STOP operation for washing **plus** drying, it is essential to keep to the following maximum loads:

Cottons	max. 3 kg
Easy cares	max. 2 kg

The drying time must be selected at the same time as the wash programme and is displayed throughout the wash cycle.

If you have selected a degree of dryness, the relevant light will also remain on during the wash cycle.

Drying for cotton fabrics is carried out at full heating power, for easy cares at reduced heating power.

If you wish to change the selected drying time during washing, depress the Drying Time button until no digits appear in the display and then select the new time.

You can obviously also change the degree of dryness during the washing cycle by depressing another button.

Important: For optimum drying results with NON-STOP operation with selection of the degree of dryness the clothes must be spun at least at 1200 rpm (cotton/coloureds).

It is therefore advisable not to reduce the spin speed displayed automatically by the machine.

It is not possible to select a spin speed of 700 rpm for cottons/coloureds and easy cares when you choose the Automatic Washing & Drying Option **with selection of the degree of dryness.**

By **Time Controlled Drying** you can reduce the spin speed to 900 rpm for cottons/coloureds and 700 rpm for easy cares.

**Automatic
washing
and drying
(NON-STOP
operation)**

Drying time chart

Indicative values for dry clothing

Degree of drying	Type of fabric	Examples of laundry/ clothing
Extra dry	Heavy cottons and linens	Flannel sheets, linen towelling bathrobes
Cupboard dry	Cottons to be completely dried	Towels, T-shirts, fully dried sheets, tea-cloths, bathrobes
	Easy care, synthetic and mixed fabrics which do not need ironing	Synthetic mix jumpers, blouses, household linen, baby clothes, socks, underwear
Iron dry	Cottons and linens which need ironing	Sheets, tablecloths, tea-cloths
	Easy care, synthetic and mixed fabrics which need ironing	Synthetic fabric shirts, household linen

(*) Reduced load to avoid creasing of these fabrics.
 For loads not shown in the chart, select longer or shorter drying times as required.

Load kg	Spin speed rpm	Cycle duration min
3	900 1200 1400	120-130 105-105 95-105
1.5	900 1200 1400	60-70 50-60 45-55
3	900 1200 1400	110-120 95-105 85-95
1.5	900 1200 1400	50-60 40-50 35-45
2	700 900	90-100 80-90
1.75	700 900	85-95 75-85
1.00(*)	700 900	65-75 55-65
3	900 1200 1400	85-95 70-80 60-70
1.5	900 1200 1400	40-50 30-40 25-35
2	700 900	75-95 65-75
1.75	700 900	70-80 60-70
1.00(*)	700 900	50-60 40-50

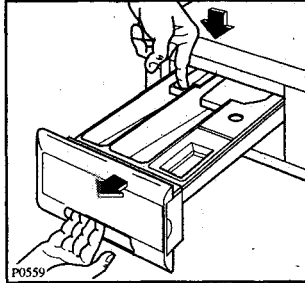
When you dry large bed sheets for example we suggest a max. load of 2.75 kg to obtain optimum drying results.
For easy cares we suggest 1.75 kg max.

Maintenance and cleaning

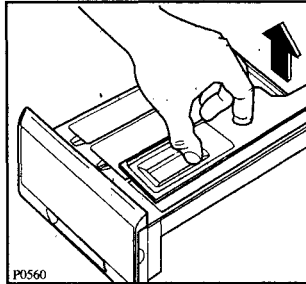
Detergent dispenser drawer

From time to time, clean off any detergent residue remaining in the bottom of the drawer compartments.

- To do this, pull out and remove the drawer by pressing down the catch.



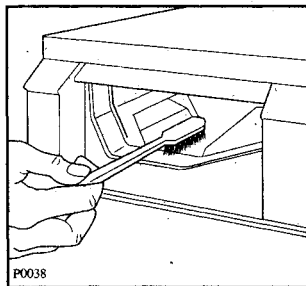
The upper part of the liquid additive compartment can also be removed for easy cleaning.



Drawer recess

Detergent residue can also accumulate inside the drawer recess, which should be cleaned occasionally with an old toothbrush.

After cleaning, refit the drawer and push it fully in.

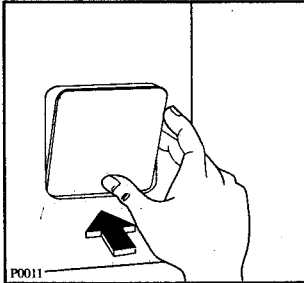


- After each wash programme, partially pull out the detergent drawer to let it dry.

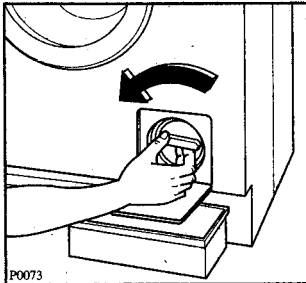
The filter collects fluff and any small objects which may accidentally have been left in the laundry. If this filter gets clogged, the programmes will not function properly.

The filter should therefore be cleaned from time to time. Hot water remaining in the filter can scald! Allow it to cool before cleaning. Open the filter cover.

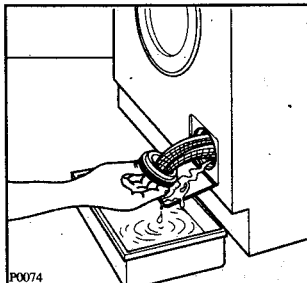
Cleaning the filter / Emergency emptying



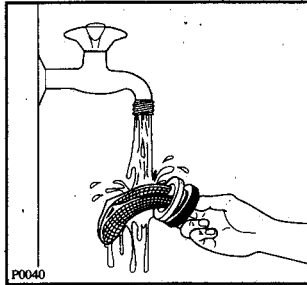
Place a basin under the filter and unscrew it in order to remove it.



Remove the filter.



Clean it under a running tap



The drum

The drum is made of stainless steel. Any rusty items left in the laundry (see "Preliminary operations for washing") could leave rust stains on the surface of the drum. These stains can be removed with a suitable stainless steel cleaner, available from the Service Centre.

Porthole door

Remove any deposits or foreign objects from the rubber seal on the porthole door.
Never close the porthole door immediately after washing; leave it open to allow the drum to dry and ensure that the machine is properly aired.

Descaling

If the correct amount of detergent is used, descaling should not be necessary. If, however, it does become necessary, use only branded, non-corrosive descalers suitable for washing machines. These are available from the Service Centre.

Control panel

If necessary, clean the control panel with warm water only.

How to deal with problems...

... the machine does not start:

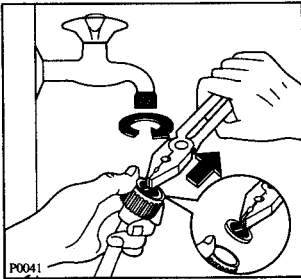
- Check that the appliance is plugged in.
- Check that a programme has been selected.
- Check that the START/PAUSE button has been pressed.
- Check that the porthole door is firmly shut.
- Check that the fuse has not blown.

... the door will not open:

- Check whether a programme is in progress.
- Check whether a programme without final spin has been selected.
- Check whether the water level is higher than the bottom of the door.

... the machine does not fill:

- Check that the taps are on.
- Check whether the filters in the inlet hoses are blocked.
If the machine takes longer than usual to fill with water, check whether the filters in the inlet hoses are blocked.
To do this, shut the water taps. Unscrew the hoses from the taps and remove the filters. Clean them with an old toothbrush then refit them.
Tighten up the inlet hoses.



... spinning starts slowly:

- The electronic unbalance detection device has tripped because the laundry is not evenly distributed in the drum.
When rotation of the drum is reversed the laundry re-distributes itself. This may happen several times before the unbalance disappears and the spin resumes normally.

... the machine vibrates or is noisy:

- With very small loads (for example just one bathrobe) the machine may start to vibrate. This does not however affect performance.
- Check that the support feet are correctly adjusted. Refer to the installation instructions.
- Check that all the transit bolts and packing have been removed. Refer to the installation instructions.

**Problems you
can solve
yourself**

... the machine does not empty or does not spin:

- Check whether the drain hose is kinked.
- Check whether the filter is blocked.

... spinning is uneven:

- If an excessive amount of foam has been formed, the machine starts spinning and then stops until the foam has gone. Spinning then resumes normally.
When selecting the next programme, check the amount of detergent used.

... the machine makes strange noises:

- The machine is fitted with a modern starting system which makes an unusual whistling or hissing noise, compared with other machines.
This new system allows spinning to be started more gently and provides better control of gradual increase in spin speed. This improves machine performance and reduces water consumption.

... too much foam forms during washing:

- Too much detergent is being used or the detergent is of the wrong type. Check the amounts required.

... water is leaking from the bottom of the machine:

- Check whether the inlet hose is leaking.
- Check whether the drain hose clip has worked loose.
- Check whether the drain hose is damaged.
- Check that the filter is fully screwed in and properly fitted.

... washing results are poor:

- Too little detergent has been used or detergent is of the wrong type.
If insufficient detergent is used, the laundry will look grey and lime deposits will be left in the machine. Use the correct amount of detergent.
- Check whether stains were adequately treated prior to washing.
- Check whether the programme and temperature selected were correct.

... stains remain even though they have been treated before washing:

- Probably the stains are indelible. Check with an expert.

... there are grey marks on the laundry:


- Laundry stained with grease, creams or oil has been washed with insufficient detergent. The detergent was not strong enough to shift these stains.
- Check whether the temperature selected was too low.

... the fabric softener has left marks on the laundry:

- In this case the fabric softener, especially if of the concentrated type, has come into direct contact with the laundry. Wash out these marks immediately.

... detergent residue is left after the wash cycle:

- This is most probably due to non soluble components contained in modern detergents. It is not a sign of inadequate rinsing. Brush or shake the garments and, if necessary, wash them again.

... the fabric softener has not been introduced in the tub or there is water left in the compartment marked with the  symbol:

- The drawer was pulled out whilst the machine was filling, or the drawer was not fully inserted.

... foam remains after the last rinse:

- Modern detergents can produce foam even after rinsing, but this will not affect the quality of the wash.

... no water is visible in the drum:

- Machines based on modern technology operate very economically using very little water. Their performance however is excellent.

... the laundry is not sufficiently spun and there is still water in the drum:

- Check whether the drain hose is kinked.
- Check whether the filter is blocked.

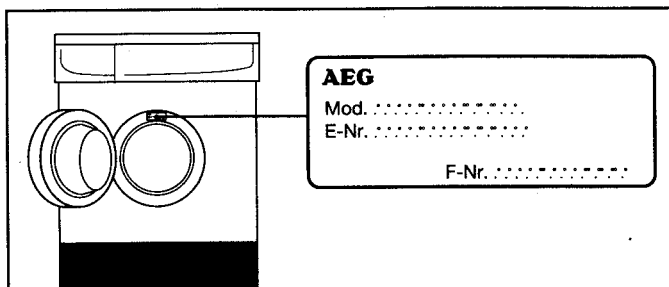
... the machine does not dry:

- Check that the drying time has been selected.
- Check that the tap is open.
- Check that the filter is not blocked.
- Check that the drum has not been over-filled.
- Check that the correct drying time has been selected.
- Check that a degree of dryness has been selected.

If the Service Centre is called out for one of the faults listed above, or as a result of incorrect usage of the machine, repairs will not be carried out free of charge, even if the guarantee has not yet expired.

Customer service

If you are unable to identify or resolve the problem by reading the instruction book, contact our Service Department. Always start by quoting the product code (E-Nr.) and the batch number (F-Nr) shown on the rating plate.



For convenience, you are advised to note these details below.

E-Nr.

F-Nr.

Technical specifications

Dimensions:

With worktop:

Height	85.0 cm
Width	60.0 cm
Depth	60.0 cm

Without worktop:

Height	82.0 cm
Width	59.5 cm
Depth	57.0 cm

Connection

Details concerning electrical connection are given on the rating plate.

When connecting the appliance, make sure that the mains supply voltage and type of current shown on the rating plate are the same as those in the location where it is being installed.

Drum speed

Washing	max. 55 rev/min
Spinning	max. 1400 rev/min selectable: 1200/900/700 rev/min

Water pressure:

minimum (hot)	5psi
minimum (cold)	7psi
maximum	110psi

Net weight:

approx. 86 kg

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