

# **Fully automatic washing machine LAVAMAT 970**

Operating instructions

**AEG**

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# Please read and follow the instructions in this booklet

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Separate instructions on installation and connection are supplied with the machine.

## Important

To avoid damage during transit we have fitted transit bars to the machine. Please remove these before installing and connecting the machine. You will find details how to do this on the red sticker on the washing machine and in the installation instructions.

Any residue of water in the machine is due to our thorough tests before the machine leaves the factory.

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## The new development from AEG

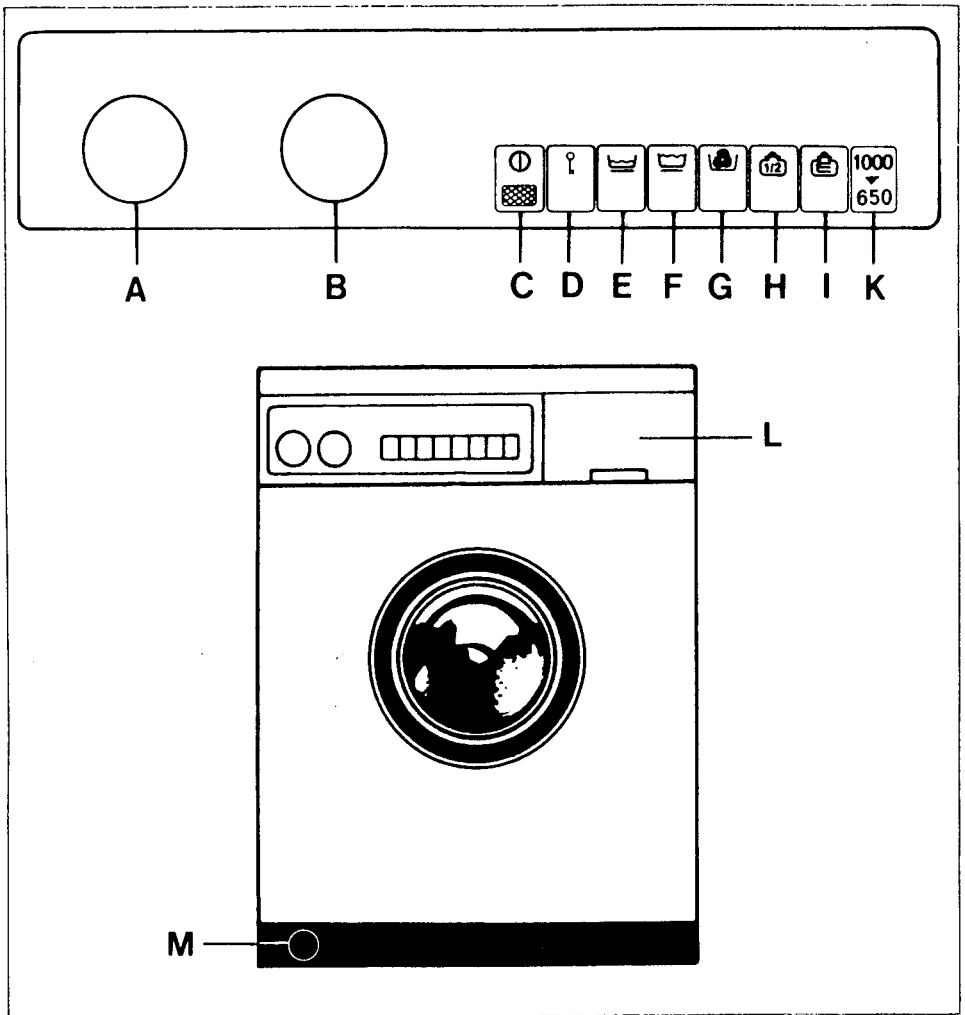
... it uses 20% less washing powder and protects the environment.

The new Dual Eco Lavamat features a device which uses all the detergent for the washing cycle without losing any in the sump.

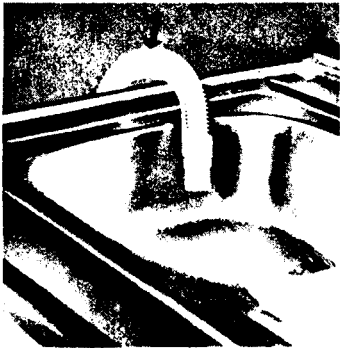
See further advice on page 9.





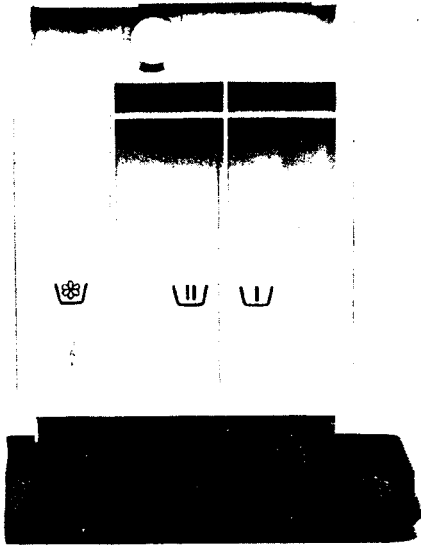


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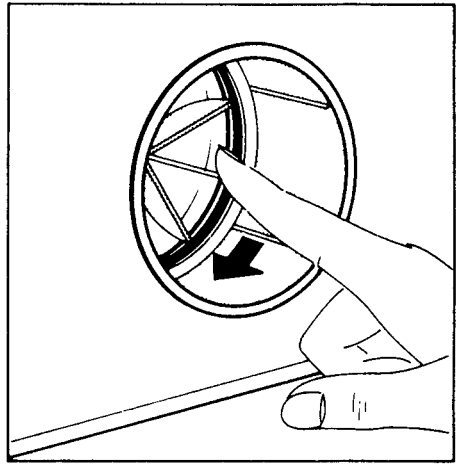


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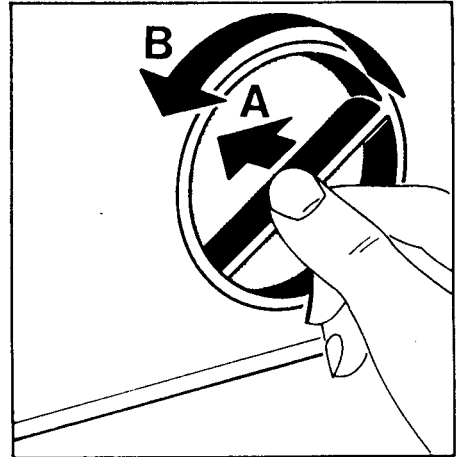
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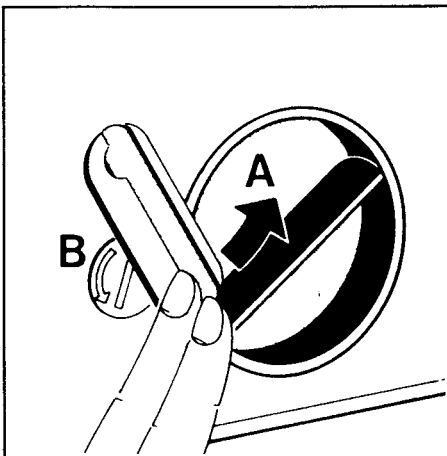
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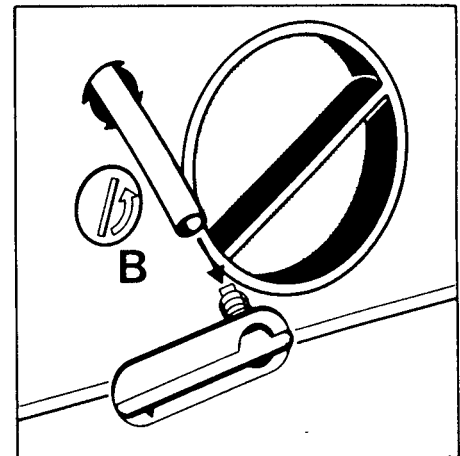
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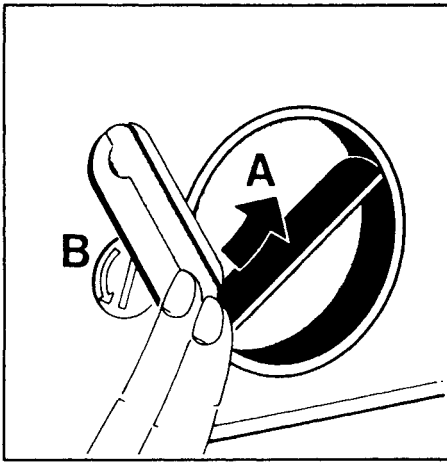
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4/A

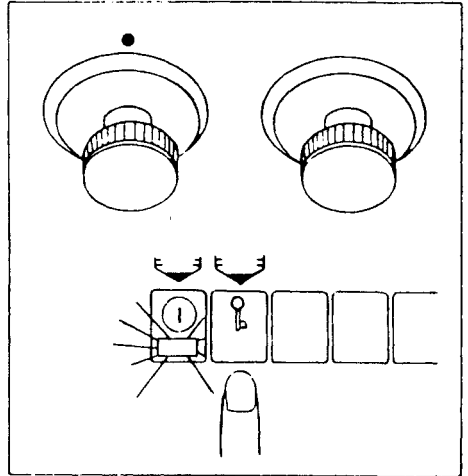


4/B



**Opening the loading door – before the machine is connected.**

1. Turn rotary control for emergency drain (A) a quarter turn **anti-clockwise** to the stop position.
2. Using a coin turn disc (B) **anti-clockwise** until the loading door springs open.
3. Turn rotary control for emergency drain (A) in clockwise direction.



**Opening the loading door – after the machine has been connected to the power supply.**

Press button.

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## Your LAVAMAT

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**Fig. 1/A** Wash programme selector and programme progression indicator

**Fig. 1/B** Temperature selector

**Fig. 1/C** On/Off button with indicator light

**Fig. 1/D** Door release button

**Fig. 1/E** Button for easy-care fabrics and short programmes

**Fig. 1/F** Button for delicates

**Fig. 1/G** Button for wool

**Fig. 1/H** Button for small loads

**Fig. 1/I** Button for energy saving programmes

**Fig. 1/K** Button for lower spin speed

**Fig. 1/L** Detergent dispenser (with double-sided programme chart<sup>\*)</sup>, removable rating plate under dispenser

**Fig. 1/M** Drain pump with emergency drain and emergency door release to the left.

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## Check list – what to do before and after every programme

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### If the machine is not permanently connected:

- Plug in the machine and switch on at the power socket.
- Make sure that the drain hose is not kinked. To hook the hose securely over the sink edge **use the hose holder provided (figure 2)**. If the sink edge is too wide thread a piece of string through the hole in the hose holder (**see figure 2/arrow**) and secure on the wall or the tap over the sink. Make sure that the drain hose is not submerged in the pumped off water.
- Connect the water inlet hoses to the taps.

### Before you select a programme:

- Open the water taps.
- Open the door (press door release button ).
- Distribute the laundry in the drum, close the door.

- Pull open the detergent dispenser (**figure 3**) and pour washing powder and fabric conditioner into the relevant compartments. Close the dispenser carefully.
- Select the wash programme (see programme chart in this book and in the dispenser drawer), press the on/off button to start the programme.

### End of programme:

Open door and remove laundry from the drum.

If nothing else is to be washed,

- press the on/off button
- return the temperature selector to the "off" position
- turn off the water taps and switch off at the power socket and remove the plug.

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<sup>\*)</sup> Replacement programme charts are available from AEG Service Department.

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## Sorting the laundry

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### Sorting the laundry

Check the manufacturer's instructions or the care label inside each garment (see the international Textile Care Labelling Code in the programme chart). The laundry should be sorted into:

**Cottons and linens (whites and coloureds)**  
**Easy-care fabrics**  
**Delicate synthetics**  
**Woolens**

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### Practical hints

- Do not mix whites and coloureds as the whites will become grey.
  - New items tend to lose some of their colour when washed for the first time. It is therefore advisable to wash them separately the first time.
  - Woollen items which carry the wool symbol must also bear the description "machine washable". Woollen items which only bear the wool symbol cannot be washed in washing machines.
  - Make sure that no metal items (e. g. paper-clips, safety pins, pins) are left in the laundry. Fasten buttons, zips hooks and eyes, tie loose belts, long apron strings etc.
  - Remove stubborn stains prior to washing.
  - Synthetic curtains should be handled carefully as they snag easily. Remove the hooks or rollers and place the curtains in a pillow-case or washbag, to wash. We accept no responsibility for any damage through incorrect handling.
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## Opening and closing the door

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### To open:

Press door release button  and the door springs open.

### To close:

Close the door firmly to engage the lock.

The door is locked throughout the wash programme. It can be opened after the programme has finished.

### Useful advice

How to open the door during a power cut, see page 16.

How to open the door if the machine is not connected:

1. Turn rotary control for emergency drain (A) a quarter turn **anti-clockwise** to the stop position.
  2. Using a coin turn disc (B) **anti-clockwise** until the loading door springs open.
  3. Turn rotary control for emergency drain (A) in clockwise direction.
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## Load sizes

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You will find details as to how much laundry you can wash in your machine in the programme chart but you may find the following general information useful:

- When washing cottons and linens fill the drum with dry laundry leaving a space of a hand's breadth between laundry and the top of the drum.
- A 10-litre (2½ gallon) bucket will take approximately 2.5 kg of tightly packed dry laundry (cottons and linens).

- Distribute the laundry in the drum as loosely as possible.

### Useful advice:

If you are washing a single large item, eg: a towelling dressing gown or bath mat this may cause vibration and instability of the machine. It does not affect the operation of the machine.


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## Washing powder, conditioner and starch


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- In an automatic washing machine you need to use a low lather washing powder. We recommend Ariel automatic which has been specially formulated for automatics.
  - To soft rinse or starch laundry be sure to use liquid fabric conditioner (we recommend Lenor) or starch. If, however, you wish to use powder starch, then dissolve the starch according to the manufacturer's instructions and **pour the dissolved starch straight into the drum** after the wash programme has finished and select the separate starching programme.
  - How much washing powder you use depends on the water hardness (soft, medium, hard, very hard), the quantity of laundry and the degree of soiling. Your local Water Board will advise you on the hardness of the water in your area. On the washing powder packet you will find instructions as to how much powder to use (according to water hardness).
- PLEASE NOTE:**
- Your machine is equipped with a device which utilises all the detergent you add for the wash without losing any.
  - For this reason you can reduce the amount of detergent recommended on the packet by 20% (1/5).
  - This feature means you save money but maintain excellent wash results and you contribute towards protecting the environment.
  - If a measuring beaker is supplied with the washing powder do not fill above the indicator level. If too much powder is used, excessive foaming may occur. This interferes with the movement of the laundry in the drum resulting in a poor wash performance.
  - Reduce the recommended amount of powder somewhat when washing very lightly soiled clothes.
  - When washing a small quantity of laundry (programmes with  load button) reduce the amount of powder suggested on the powder packet by 1/3.
  - Warning! Do not use any bleaching agents containing chlorine or sulphur or any acidiferous descalers.


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Before selecting a programme, pour washing powder and fabric conditioner into the relevant compartments of the dispenser.

To do this pull open the dispenser drawer. You will find 3 compartments (**figure 3**):

**Compartment** = washing powder for the  
 (right) **pre-wash**

**Compartment** = washing powder for the  
 (centre) **main wash**

**Compartment** = liquid fabric conditioner or  
 (left) **starch**

**Do not fill above "MAX" indicator level as otherwise the liquid may drain immediately.**

The detergent dispenser is designed to take low lather washing powder or low lather liquid detergent. But the liquid detergent can only be used if you are selecting a wash without a pre-wash.

**Carefully close the dispenser completely.**

The dispenser can be removed from the machine for cleaning. The rating plate is under the dispenser.

## Explanation of controls

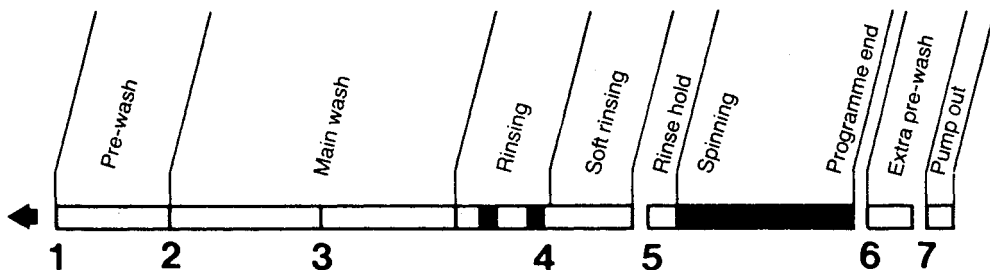
With the exception of wool all fabrics can be washed with or without a pre-wash. To select a wash programme set the programme selector (figure 1/A) to the required

programme number, the temperature selector (figure 1/B) to the required temperature and press any selector button (s) required (figure 1/E to I).

### Programme selector

The **programme selector** has 7 settings for the main and the additional programmes. The programmes are indicated by numbers (see programme chart) and below the numbers you

will find the programme progression. **The programme selector must only be turned clockwise and when it is in the pushed in position.**





### Temperature selector


The **temperature selector** is variable. If the selector is set to "●" the machine will carry out a cold

wash. **During a hot wash the glass of the door may get hot, please take care and do not touch.**


### Selector Buttons

 **Button for easy-care fabrics**  
(figure 1/E)



 **Button for delicate synthetics**  
(figure 1/F)

 **Button for wool** (figure 1/G)

You will find further details regarding these buttons under "programme cycle" in the programme chart.

 **Button for short programmes**  
(figure 1/E)

Press this button in addition to programme number 3 when washing lightly soiled laundry (cottons, linens and easy-care fabrics). Depending on the temperature selected the programme will last between 35 and 45 minutes.

**Please note that you must not use buttons**  
 +  **with a short programme.**

 **Button for small loads**  
(figure 1/H)

Press this button in addition to a selected programme if you want to wash smaller loads. Cottons and linens up to 2.5 kg, easy-care fabrics up to 1 kg. Reduce amount of washing powder by 1/3. Do not press this button when washing woollens.

Although the half load button is very valuable for the smaller loads as the amount of water used for a wash programme is reduced we would like to point out that the most economical wash is still the full capacity one.



 **Button for energy saving programme**  
(figure 1/I)

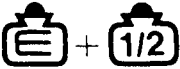
Press this button in addition to the selected programme if you want to wash lightly to normally soiled cottons and linens and easy-care fabrics.

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## Explanation of controls

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By selecting E in conjunction with a programme at  or  you will save energy as the machine will carry out a somewhat longer wash at 40° C instead of 60° C or at 60° C instead of 95° C.



Press both buttons for a very economical wash of small loads of lightly soiled cottons and linens and easy-care fabrics.

**1000**  
▼  
**650**    **Button to reduce spin speed from 1000 r. p. m. to 650 r. p. m. (figure 1/K).**

Press this button if you wish to reduce the spin speed from 1000 r. p. m. to 650 r. p. m. If you do not select this button the laundry will be spun at 1000 r. p. m.

**For easy-care fabrics, delicates and wool the machine selects a spin speed of 650 r. p. m. automatically.**

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## How to switch the machine on and off

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### How to start the machine

1. Turn the programme selector **clockwise** to the required programme, select the required temperature and press any buttons as required (see programme chart).
2. Press the on/off button. The indicator light will come on and the programme will begin.

The programme selector will rotate during the programme, stopping temporarily during the heating up period.

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### How to switch off the machine











As the end of the programme press the door release button to open the door. Remove the laundry.

If the programme selector has stopped on "rinse hold", turn the programme selector to 5/7 – see programme charts, to pump out the water. You can now open the door and remove the laundry.

If nothing else is to be washed:

- Press the on/off button – the indicator light will go out,
- return the temperature control to the "off" position,
- release any depressed buttons,
- close the water taps, and switch off at the power socket and remove the plug.

## Main programmes




















International Textile Care Labelling Code	Fabrics	Type of laundry	Programme
	White cotton and linen articles without special finishes	Bed and table linen, towels, underwear, white or colourfast	Hot wash
	Cotton, linen or rayon articles without special finishes where colours are fast at 60° C	Coloured blouses, aprons, overalls, bed linen, shirts, towels	Coloureds
	Cotton, linen or rayon articles colours are fast at 40° C but not at 60° C	Deep coloured laundry	Coloureds
	White cotton articles with special finishes capable of being boiled but requiring drip drying or delicate white cottons and linens	Shirts, bed linen, nappies, baby clothes	Easy-care
	White nylon: white polyester/cotton mixtures	Blouses, shirts, overalls	Easy-care
	Coloured nylon: polyester cotton and rayon articles with special finishes; acrylic/cotton mixtures; coloured polyester/cotton	Sheets, pillow cases, duvet covers, shirts, blouses, skirts, trousers, underwear	Easy-care
 	Delicate synthetics	Jumpers, blouses, dresses, curtains	Delicates
	Wool, including blankets and wool mixtures with cotton or rayon; silk	Machine washable woollens 	Wool
	Cottons, linens, easy-care fabrics except delicates and wool	Lightly soiled laundry	Short programme

### Note:

Please turn to page 7 for information on what to do before starting a wash programme.


### \*\* Load size for

- Lightly and normally soiled laundry 5 kg
- Heavily soiled laundry 3.5 kg

Load size	Programme selection			Programme cycle
	Programme-selector	Temperature-selector	Buttons	
up to 5** kg	1 or 2	... 95/	①	Pre-wash – main wash – 3 rinses with intermediate spinning – final spin
	Energy saving programme 1 or 2	E 95/	 ①	
up to 5** kg	1 or 2	... 60/	①	Pre-wash – main wash – 3 rinses with intermediate spinning – final spin
	Energy saving programme 1 or 2	E 60/	 ①	
up to 5** kg	1 or 2	... 40/	①	Pre-wash – main wash – 3 rinses with intermediate spinning – final spin
up to 2 kg	1 or 2	... 95/ 	①	Pre-wash – main wash – 3 rinses – <b>rinse hold*</b>
	Energy saving programme 1 or 2	E 95/  	 ①	
up to 2 kg	1 or 2	... 60/ 	①	Pre-wash – main wash – rinses – <b>rinse hold*</b>
	Energy saving programme 1 or 2	E 60/  	 ①	
up to 2 kg	1 or 2	... 50/ 	①	Pre-wash – main wash – 3 rinses – <b>rinse hold*</b>
up to 2 kg	1 or 2	 30/ ...  40/ 	①	Pre-wash – main wash – fills to high water level – 3 rinses – <b>rinse hold*</b>
up to 1 kg	2	...  40/  +	①	Main wash – fills to high water level – gentle wash action – 3 rinses – <b>rinse hold*</b>
up to 2.5 kg	3	 40/ ...  60/ 	①	Shortened main wash – 3 rinses – <b>rinse hold*</b>

1 with pre-wash  
2 without pre-wash

**\*1) Rinse hold**




The laundry is left in the last rinse water. Turn the programme selector to setting 5 + button  (pump out and gentle VARIOMATIC spin) or to setting 7 (pump out only).

## Additional programmes


<b>Programme</b>	<b>Laundry</b>	<b>Load size</b>
<b>Soft rinsing – starching – spinning</b>	Cottons and linens	<b>up to 5 kg</b>
<b>Soft rinsing – starching</b>	Easy-care fabrics and delicate synthetics	<b>up to 2 kg</b>
<b>Spinning</b>	Cottons and linens	<b>up to 5 kg</b>
<b>Pump out – gentle VARIOMATIC spin</b>	Easy-care fabrics, delicate synthetics woollens	<b>up to 2 kg</b>
<b>Extra pre-wash – soak programme</b>	Cottons and linens, heavily soiled	<b>up to 3.5 kg</b>
<b>Pump out</b>	For laundry which should not be spun	—

**Note:**

Please turn to page 7 for information on what to do before starting a programme.

Programme selection			Programme cycle
Programme-selector	Temperature-selector	Buttons	
4	—	Ⓛ	Rinsing – spinning
4	—	 Ⓛ	Rinsing with <b>rinse hold</b> <sup>*)</sup>
5	—	Ⓛ	Spinning – for laundry washed and rinsed by hand
5	—	 Ⓛ	Pump out – gentle VARIOMATIC spin – for laundry washed by hand
6	... 	Ⓛ	Pre-wash (soaking) – fills to high water level – laundry is left in the wash solution. Proceed as for <b>rinse hold</b> <sup>*)</sup>
7	—	Ⓛ	<b>Pump out</b> , e. g. following a programme with <b>rinse hold</b> <sup>*)</sup>

<sup>\*)</sup> **Rinse hold**

The laundry is left in last rinse water. Turn the programme selector to setting 5 + button  (pump out and gentle VARIOMATIC spin) or setting 7 (pump out only).

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# How to look after your LAVAMAT

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## Protecting the machine against frost

Any damage due to frost is not covered by warranty. If the machine is situated in a room which might be affected by frost, any water must be removed from the drain pump (see

“Emergency drain” below) as well as from the water inlet hoses (disconnect the inlet hoses from the water taps and drain).

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## Care and maintenance

The **detergent dispenser** requires cleaning from time to time.

To do this remove the drawer completely by pulling it out. Clean the dispenser. Slot it into the guide rails and push to close.

The **drum** of your machine is made of stainless steel and cannot rust. However, rust may be introduced with the laundry (zips, paper-clips,

hair pins, tackings or safety pins). Remove such stains with a stainless steel cleaner.

### Do not use any abrasives.

Do not use furniture polish or abrasive cleaning agent to clean the fascia panel of the machine. To clean the fascia panel use lukewarm water only.

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## Emergency drain

If you wish to remove your laundry during a power cut or if the machine is defective use the emergency drain facility to empty the water.

1. Turn control **A** to the left of the drain pump (fig. 1/M and 4/A) a quarter turn **anti-clockwise** to the stop position. Pull emergency drain tube forward and remove rotary control. Drain residual water into container (place a cloth under the container).

2. To open the loading door, turn the disc **B anti-clockwise** (in direction of the arrow to the left) until the door springs open.
3. Replace rotary control on emergency drain tube. Push in emergency drain tube and secure rotary control by turning a quarter turn **clockwise**.

Take care when draining any hot water solution.

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## If you think your machine is not working properly

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Non functioning of your washing machine is mostly due to minor causes which you can rectify yourself. Before you call out a service engineer please check thoroughly the following fault finding chart.

### The door cannot be opened

- Before a programme: Have you pressed the door release button?

### The programme does not start

- Is the machine plugged in?
- Are the fuses in working order?
- Have you closed the door properly?
- Have you pressed the on/off button?

### The machine does not fill with water

- Have you turned on the taps?
- Are the filters (where fitted) in the water inlet hoses blocked?  
The filter is located where the hose attaches to the tap. A further filter is located in the hose connection to the machine. Unscrew the hose and clean the filters under running water.

### The machine vibrates or moves

- If there is too little laundry in the drum (e.g. just one dressing gown, bath mat etc) this may lead to vibration. Therefore, wash more items.



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## If you think your machine is not working properly

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### However, movement may also result from:

- Blocked drain pump
- Kinked or twisted drain hose
- Transit bars have not been removed
- The machine is not installed properly (see installation instructions supplied).

### The machine is oversudsing

- Have you used too much washing powder?  
Use less powder for the next wash or omit the pre-wash.
- Have you used a low lather powder?

### Water is leaking from underneath the machine

- Check the water inlet hose connections to the taps and to the machine. Check the drain hose connection to the machine.
- Check the water inlet and outlet hoses for leaks.
- Check that the cover to the drain pump is closed properly. (See “**Cleaning the drain pump**”).

### The machine did not spin properly or pump out completely

- Is the water drain hose kinked or twisted?  
In this case the drain pump cannot pump out sufficient water.
- Is the drain pump blocked? (See “**Cleaning the drain pump**”).

### Spin cycle is delayed

- This is normal if the load is unbalanced. In this case the electronic out of balance control system has been activated and the drum will turn in both directions loosening the clothes to distribute them more evenly in the drum. This can happen several times until the clothes are distributed well enough for the machine to commence the spin cycle.

### The machine does not pump out any water

- This means the drain pump may be blocked and would require cleaning as follows.

### Cleaning the drain pump

1. Switch off at the power socket and remove the plug.
2. Empty drain pump (see “emergency drain” on page 16).
3. Push and unscrew cover to pump **anti-clockwise (fig. 5)** and pull out to remove.
4. Remove the obstructions blocking the pump and make sure that the pump impeller (**fig. 6**) is rotating fully and not impeded by any particles lodged behind the impeller.
5. Replace pump cover, giving it a slight push and close it by turning it **clockwise**. Make sure it is closed properly otherwise water will leak from the pump.
6. Close emergency drain tube with rotary control and push back into the machine. Secure rotary control to the machine by giving it a quarter turn **clockwise**.

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## Note

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Please use the fault-finding chart “If you think your machine is not working properly” as a check list for the proper performance of your machine.

If you call a service engineer in connection with one of the aforementioned problems please note that the cost involved for this call will have to be passed on to you even during the warranty period.

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## Service

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Should you be unable to locate the cause of the problem in spite of the check list “**If you think your machine is not working properly**”, then please contact your AEG Service Department.

If you require to have your machine serviced you will assist the Service Department by quoting the F and E numbers which you will find on the rating plate under the detergent dispenser. These numbers enable the Service Department to order any parts to complete the repair on first call, if at all possible.

For easy reference we would recommend that you transfer these numbers in the space provided below:

**Product number (E-No.)** \_\_\_\_\_

**Serial number (F-No.)** \_\_\_\_\_

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## Technical Data

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<b>Dimensions:</b>  with worktop: (where fitted) 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	<b>Capacity:</b> Depending on the programme up to 5 kg	The appliance complies with DIN EN 50 006/VDE 0838 and the requirements laid out in the EEC Directive 76/889 and 82/449.
	<b>Drum speed:</b> Washing: 50 r. p. m. / 25 r. p. m. (wool) Spinning: 1000 r. p. m. or 650 r. p. m.	
<b>Electrical connection:</b>  Please see information on the rating plate of the appliance.	<b>Water pressure:</b> 1 – 10 bar cold water supply 0.3 – 10 bar hot water supply  <b>Weight:</b> approx. 75 kg	



