

LAVAMAT PRINCESS 802

Operating Instructions

AEG

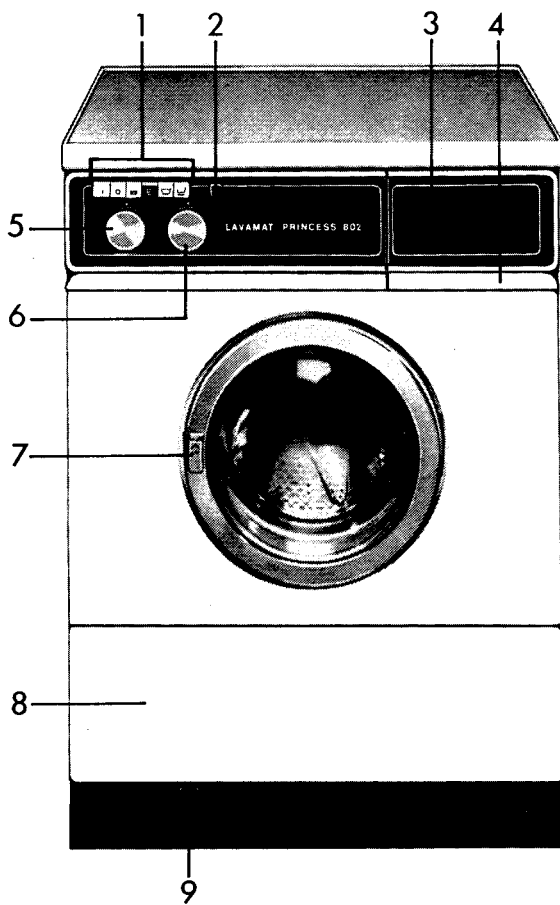
LAVAMAT PRINCESS 802

Your new LAVAMAT offers you the advantage of compiling the wash programmes exactly as you like.

The LAVAMAT PRINCESS 802 incorporates programmes for all types of modern day fabrics, plus economy programmes for small load sizes as well as for lightly soiled laundry ("power economy") which can be combined. It spins at a very high speed of over 800 r.p.m.

Please read this brochure carefully before starting to use your LAVAMAT, so that you can take full advantage of its many possibilities. And remember to remove the transit bars (see page 5, Installation).

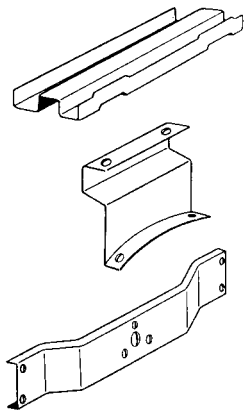
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- 1 = selector buttons
- 2 = control lights
- 3 = summary of wash programmes
- 4 = handle of wash powder dispenser
- 5 = programme selector
- 6 = temperature control
- 7 = door handle
- 8 = lower front panel (pull this lower front panel down and the drain filter becomes accessible)
- 9 = filter outlet

Installation

ATTENTION: Having unpacked the machine, you must first remove the transit bars. Detailed instructions for this operation should be contained on the machine in the form of a separate instruction leaflet. Unscrew the worktop and rear plate and remove 3 parts, 2 bars and 1 bracket (see illustration).



Please keep these transit bars, in case you have to move the appliance for any distance, e.g. moving house.

You can now position the machine into place, as required.

Dimensions: Height 85 cm
Width 59.5 cm
depth 60 cm

Weight: 100 kg approx.

Your machine features a three-point support system so that no adjustment of the feet should be necessary. However, should levelling become necessary – e.g. when incorporating the machine into a fitted kitchen system, then adjustable feet are available as an optional extra. Part Number E 605 899 821.

Electrical connection

Voltage: 220 V AC only (UK versions 240 V)

Connected load 3.03 kW which may be changed over to 2.08 kW

Fuse protection for 3.03 kW = 16 A, for 2.08 kW = 10 A (UK version please fit a 13 amp fused or 15 amp plug).

WARNING: This appliance must be earthed.

Important

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

1. green and yellow = earth
2. blue = neutral
3. brown = live

Fit the mains lead with a 3 pin 13 or 15 amp plug.

As the colours of the wires in the mains lead of the appliance may not correspond with the coloured marking identifying the terminals in your plug, please proceed as follows:

1. The wire which is coloured green and yellow must be connected to the earth terminal in your plug, which is marked with the letter 'E' or by the earth symbol or coloured green, yellow, or green and yellow.
2. The wire which is coloured brown must be connected to the live terminal which is marked with the letter 'L' or coloured red.
3. The wire which is coloured blue must be connected to the neutral terminal which is marked with the letter 'N' or coloured black.

When wiring the plug ensure that all strands of wire are securely retained in each terminal. Do not forget to tighten the mains lead clamp on the plug. If your installation is fitted with 2 pin socket outlets, or if you are in doubt, please consult a qualified electrician.

Water supply

Your washing machine is fitted with a high quality pressure hose $\frac{3}{8}$ inch bore with a $\frac{3}{4}$ inch BSP screw connector for connection to a water tap with male thread. The necessary washers are enclosed. (Please do not use any other washers as they may prove to be of an unsatisfactory quality). Hand tightening of the nut is sufficient – be very careful when using tools.

Please do not connect the machine to a hot water supply, as this has an adverse effect on the washing performance of the machine.

Notes for plumber

Minimum water pressure: about 1 bar excess pressure (= 1 atu, = 1 Kgf/cm², = 10 N/cm² = 15 p. s. i.)

Maximum permissible water pressure about 10 bar. Where the supply pressure exceeds 10 bar, it is necessary to fit a pressure relief valve type AD 723 (Part Number E 612 896 723).

Should you require a longer water supply hose than that provided, please use only a continuous high-pressure hose (at least 60 bar) of suitable length. Do not extend the existing hose.

On no account must you use cheap garden hose or similar hose. Please ensure that suitable clamps are used for attaching the hose to the connector fitting.

Please ensure that you comply with any drinking water regulations of your local water board.

At the completion of each wash programme, please close the tap.

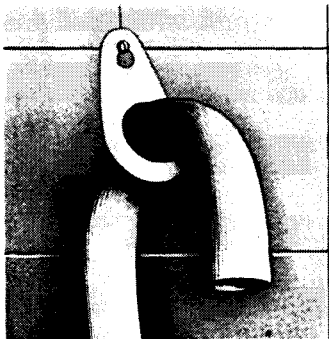
Should you wish to soak laundry for a longer period, we recommend that you close the tap after the temperature has been reached (at the end of the drum movement).

Should you discover some residual water in your machine, after unpacking, please don't worry. It does not mean that the machine has been used before, it is due to the very thorough quality control that the machine undergoes in our factory.

Water Drainage

To drain the machine of all soap and rinse water, the machine is fitted with a pump, which is controlled by the programme. It delivers the water to a head of 1.1m through the drain hose fitted at the back of the machine.

The drain hose (1/D 19 mm max.) is bent at the end for hooking over a sink edge or similar receptacle. Please secure this bent end in such a way that it cannot slip off (especially where the sink or basin edge is very wide).



If a permanent connection to a siphon is required, you can shorten the drain hose as necessary (In this case the hose must be ventilated. The necessary ventilating valve or breather is available from the AEG Service Department).

When installing the machine in rooms with floor drainage (gully in laundry rooms), you can place the hose directly on the floor after cutting off the bent part at an angle. The hose has been routed inside the machine in such a way that no water can drain off unintentionally when placing the drain hose on the floor.

Preparing the laundry

Before commencing washing, we suggest that you sort your laundry into separate piles according to colour and type of fabric.

When sorting, please check and note the laundry labels on each garment.

Remove any foreign bodies from pockets, i.e. pins, needles, paper clips, etc. Close all zips and loosely tie long apron strings or pyjama cords.

White fabrics should never be washed with coloureds. If you do, the whites will gradually become grey.

New coloured items may lose some of their colouring during the first wash. For this reason, it is advisable to wash new items separately for the first time.

Woollen articles should only be machine-washed if they are so labelled (machine washable).

Curtains of synthetic fibres are delicate and can easily be damaged when taken down. In most cases such damage shows only after washing (pulled threads, etc). We cannot accept any responsibility for curtains so damaged. If your curtains are particularly delicate, then we would recommend that they be hand washed.

Load sizes

Normally soiled whites or coloureds – max. 5 kg (11 lb) dry laundry.

The drum has been correctly loaded when you can still turn your hand freely between drum wall and the laundry.

For small loads - about half a drum full (up to 2.5 kg of whites and coloureds, or up to 0.8 kg of easy-care fabrics and synthetics) - Button $\frac{1}{2}$ /depressed.

Heavily soiled whites or coloureds (cottons and linens) – up to 4 kg (9 lb) dry laundry. (Items like work clothes, overalls, etc.) The reason for the reduced load is that heavily soiled garments need the additional space for good wash results.

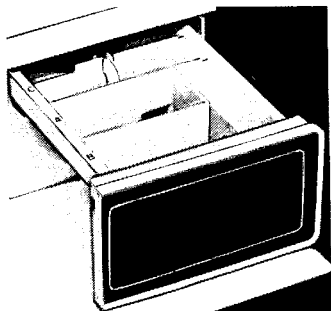
Easy care fabrics, synthetics and woollens - up to 1.5 kg (3 lb) dry laundry. (This is equivalent to 6 - 8 shirts). The reason for reduced load is that these fabrics float in the water to prevent heavy creasing.

Wash powder dispenser

The function of the wash powder dispenser is fully automatic. You can add the powder for prewash and main wash and the after-care agent (fabric conditioner) at the start of the programme:

Compartment A (centre) for the prewash,
Compartment B (front) for the main wash,
Compartment C (rear) for after-care.

Red mark = load limit.



Use only liquids in compartment C (e.g. fabric softener) and do not add more than up to the level of the pin in compartment C

If you want to use an fabric conditioner in powder form, such as starch, then this should be dissolved in accordance with the manufacturer's instructions and poured directly into the drum. Alternatively, pull out the dispenser and pour the starch slowly into compartment B.

Please ensure that the dispenser is pushed home fully after loading it with washing powder etc. As otherwise no water can come into the machine.

Wash Powders

There are many different types of washing powders on the market today. Please do not use ordinary powders like Ariel, Radiant, Daz etc., in your new AEG LAVAMAT. The reason for this is very simple, these powders produce so much lather that the clothes are prevented from tumbling freely during the washing cycle, therefore they do not get a thorough wash.

Do use the right powder. To get the best results, we recommend the use of PERSIL AUTOMATIC. Like all modern automatic machines the LAVAMAT works at peak efficiency with a low lather product. PERSIL AUTOMATIC'S balanced lather is specially designed to complement the cleaning action of the machine. Do use enough powder. Follow the manufacturer's recommended dosage. Please bear in mind that the correct amount of powder depends on a number of factors – the hardness of the water, the size of the load and the amount of soiling of the laundry.

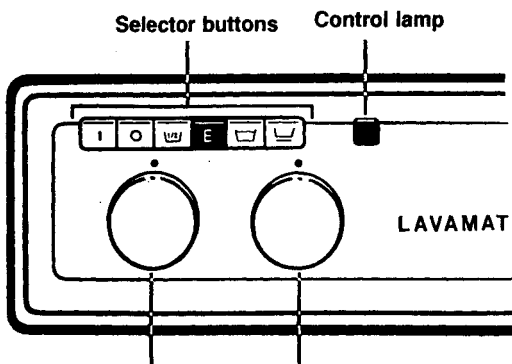
Please Note: On 'Economy' programmes for small loads (using button $\frac{1}{2}$). These do not require the full amount of powder. Use about 30 to 40% less than for a normal programme with a full wash load.

Overfoaming can be caused by several things:

1. wrong type of powder
2. too much washing powder in conjunction with soft water
3. when washing very small loads.

To correct overfoaming (1) use a powder specially formulated for front loading automatics, (2) and (3) reduce the amount of washing powder used.

Controls



Programme selector Temperature control

1) Programme switch

The programme switch has 8 settings for the basic programmes:

- 1 wash programme with prewash
- 2 wash programme without prewash
- 3 fabric softening – starching – spinning
- 4 pumping – spinning
- 5 woollens
- 6 short spin (automatic SL action)
- 7 soaking – extra prewash
- 8 pumping

With the exception of woollens, you can wash all fabrics with or without prewash, depending on the degree of soiling.

Important: The programme selector must always be rotated in a clockwise direction.

2) Temperature control

With the temperature control in position '0' you can actually wash cold (woollens for example). Between 30 °C and 95 °C the temperature is infinitely variable.

Please note the washing instructions on the labels inside your garments.

3) Selector buttons

Button  switch on

Button  switch off

When depressing button  you cancel the function of all other buttons.

Button Economy button for small loads

This economy button means that you need not work with the same water, power and washing powder consumption as for full loads. Instead, you can make savings all round.

Effect: reduced water level during washing and rinsing. Depending on the actual programme, you save up to 45% of water, up to 45% power and up to 20% time. The amount of washing powder is also reduced.

Application: for small loads – about half a drum full (up to 2½ kg of whites and coloureds, up to 0.8 kg of easy-care fabrics and synthetics)

Used with programmes 1, 2, 3.




Button (energy saving)

By selecting this button in conjunction with Programme 1 or 2 the water temperature is limited to 60° C and the length on the wash is extended to that of a 95° C wash programme. This means you can expect the same results as the 95° C wash programme, providing the laundry is only lightly soiled. Furthermore you save electricity and the wear and tear on your laundry is reduced.

Buttons and

Naturally, it is also possible to combine these two buttons when washing small loads of lightly soiled laundry. You save even more electricity, water and wash powder.




You cannot combine the energy saving button

 with buttons  and .

Button High water level (rinse water stop)

Effect: The laundry is washed AT A HIGH WATER LEVEL, but with normal drum movement. The laundry is left floating in the last rinse water (RINSE WATER STOP). Application: for synthetics or synthetic/cotton mixtures which require a high water level, e. g. all

outer garments such as blouses, shirts, skirts, dresses, trousers etc. bearing the HLCC





symbols:   

Used with programmes 1, 2 and 3.



Button Reduced drum movement

Effect: Depression of this button results in a **reduced drum movement** (reduced mechanics) coupled with a normal water level. In addition, the laundry is left in the last rinse water (RINSE WATER STOP).

Application: for baby clothes, cotton mixtures or synthetics e.g. sheets, underwear etc. which do not require a high water level bearing HLCC symbols:



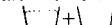
   

Used with programmes 1, 2, 3, 7.

Buttons:  + 

High water level combined with reduced drum movement. For particularly delicate fabrics which require a high water level and a gentle wash action.

Please note:

In the case of programmes where the last rinsing water or the soak water is left in the machine (buttons , , , as well as programmes 6 and 8) it is necessary to first pump off the water before the door is opened. This can be done in different ways, depending on the type of fabric involved. (See programme chart "Additional Programmes").



Wash programmes





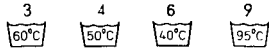






The basic programmes of your LAVAMAT can be adapted for practically all kinds of fabrics by using the selector buttons and temperature controls. You can vary the programmes to suit your particular requirements.





















Your LAVAMAT is an advanced piece of technology. We have taken care of the future – this means any future developments by the textile industry can be catered for.

On pages 10 and 11 is a table showing the major programmes. Please study this table and find out the many possibilities open to you before putting your washing machine into operation.

The water symbols used in the table are explained as follows: –

-  normal water level
-  high water level

Main programmes		Load size	Type of laundry
Cottons and linens with prewash	30° C to 95° C	5 kg max.	cotton, linen e.g. bed linen, table linen, underwear, shirts, towels, tea cloths, aprons etc.
Cottons and linens without prewash	30° C to 95° C	5 kg max.	
[E] Whites with prewash	95° C	5 kg max.	cotton, linen etc. lightly soiled.
[E] Whites without prewash	95° C	5 kg max.	
Easy-care fabrics with prewash 	30° C to 95° C	1.5 kg max.	special finish cotton, cotton mixtures, synthetics which do not require a high water level
Easy-care fabrics without prewash 	30° C to 95° C	1.5 kg max.	
Easy-care fabrics with prewash 	30° C to 60° C	1.5 kg max.	nylon, polyester, cotton mixtures, cotton with special finishes; all outer garments which require a high water level
Easy-care fabrics without prewash 	30° C to 60° C	1.5 kg max.	
Woolens 	cold to 30° C	1.0 kg max.	Fabrics of machine-washable wool or wool mixtures 
Additional Programmes			
Soft rinsing, starching, spinning		5 kg max.	cotton, linen
Soft rinsing, starching 		1.5 kg max.	easy-care fabrics, synthetics
Soaking – (extra) prewash		4.0 kg max.	cotton, linen, very heavily soiled
Pumping, spinning		5 kg max.	cotton, linen
Pumping, Variomatic spinning		1.5 kg max.	easy-care fabrics, synthetics, delicate cotton fabrics
Pumping – short spinning, automatic SL action		1.0 kg max.	woollens, wool mixtures
Pumping			easy-care fabrics which must not be spun

Programme setting		Water level	Wash powder dispenser	Programme cycle
Programme Button selector	Temp. control			
1	30° C to 95° C		A B C	Prewash – main wash at normal water level cooling – 5 rinses – spinning
2	30° C to 95° C		B C	Main wash at normal water level – cooling – 5 rinses – spinning
1	 95° C		A B C	Prewash – main wash at normal water level 60° C – cooling – 5 rinses – spinning
2	 95° C		B C	Main wash at normal water level 60° C – cooling – 5 rinses – spinning
1	 30° C to 95° C		A B C	Prewash – main wash with reduced drum movement, normal water level – cooling – 4 rinses – the laundry is left in the last rinse water
2	 30° C to 95° C		B C	Main wash with reduced drum movement, normal water level – cooling – 4 rinses – the laundry is left in the last rinse water
1	 30° C to 60° C		A B C	Prewash – main wash at high water level – cooling – 4 rinses – the laundry is left floating in the last rinse water
2	 30° C to 60° C		B C	Main wash at high water level – cooling – 4 rinses – the laundry is left floating in the last rinse water
5	cold to 30° C		B C	Main wash at high water level and particularly gentle drum movement – 3 rinses – the laundry is left floating in the last rinse water
3			C	Rinsing and spinning
3			C	Rinsing – the laundry is left floating in the last rinse water
7	up to 40° C		A	Prewash at high water level – the laundry is left floating in the soap water
4				Spinning
4				Gentle spinning – (repeated short spins followed by loosening action)
6				Pumping – short spin
8				Pumping

Operation

Plug the machine in or switch on (if permanently connected).

Hook the drain hose over sink edge.

Unless plumbed in, connect the supply hose to the tap.

Open the tap.

Open the door.

The door can only be opened when the programme control is in position II!

Load with dry laundry after careful sorting.

Close the door.

Pull out the front wash powder dispenser.

Add washing powder and fabric conditioner.

Push the dispenser back in.

Turn the programme selector in a clockwise direction, set it to the required position.

Push buttons as necessary (☰ ☲ 2/ or E).

Select the required temperature.

Press button .

The programme starts.
The control light comes on.
The programme selector turns as the programme progresses. It stops during heating-up until the required temperature is reached.

Please remember that the glass of the door gets hot during washing (do not touch).

The door features a safety lock and cannot be opened during a programme cycle.

On completion of the programme the machine switches off automatically and the programme selector remains in the relevant cut-off position (one of the breaks in the cycle indicator band).

Press button .

The control light goes out.

Return the temperature control to "0".

If the programme ends with the laundry in the last rinse water, remember to pump off the water before opening the door.

Open the door (on programmes with spinning cycle this is not possible until approx. 1 minute after completion of the programme — safety feature).

Should you have interrupted the programme in the middle of a spinning cycle, it is possible that the door cannot be opened after the 1 minute waiting time. In this case you should operate the control knob in a clockwise direction until it is back in its starting position.

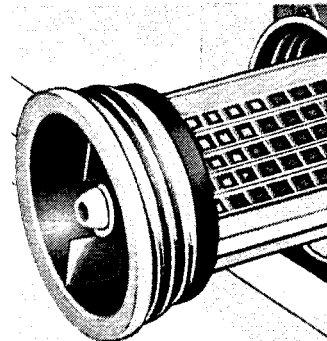
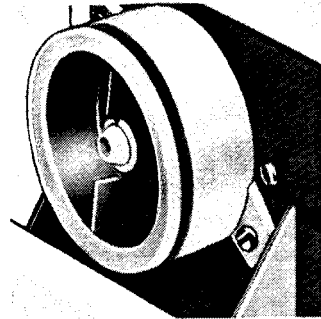
Remove the laundry.

If you have nothing else to wash, close the tap, pull the plug out of the socket or switch off.

Maintenance

When you have done all your washing, close the tap and pull the plug out of the socket or switch off the main switch.

Leave the door open for a short while to allow the machine to dry out.



Remove any washing powder left in the dispenser. To do this, hold the dispenser with both hands, lift and pull out completely, giving it a short sharp pull.

What is important is that you regularly clean the drain filter. To do this place a flat dish on the floor below the filter outlet bottom left. Next, fold down the lower panel (where the machine has been built in you should use the plastic hook provided for the purpose) and give the filter cover about half a turn in anti-clockwise direction. The water can now drain off. Unscrew the filter completely and clean it. When refitting the filter, please ensure that it is inserted correctly in its guides and securely tightened.

Occasionally you should also clean the filter in the water inlet hose.

What may look like rust stains on drum or tub is due to ferrous foreign bodies introduced with the laundry or the water.

Remove such stains with a stainless steel cleaning agent. Do not use chlorous or ferrous scouring powders. Never use acids, chloride or bleach in the machine.

Should your machine show grey deposits of lime, please do not try to remove them but contact your AEG Service Department instead.

If there is a danger of frost, empty the machine in good time of all water by opening the drain filter. Unscrew the supply hose and let it drain as well.

What to do if things go wrong


Non-functioning of your fully automatic washing machine is mostly due to minor causes which you can rectify yourself.

The programme is not starting

Has the machine been plugged in or switched on?

Are the fuses in order?

Has the door of the machine been closed properly?

Is button  depressed?

Too little or no water is coming in

Has the tap been opened?

Has the wash powder dispenser been fully pushed home?

Is the filter at the water inlet blocked? –

It should be cleaned from time to time.

Is there a kink in the supply hose?

Is the water pressure too low?

The water is immediately running off again through the drain hose

Please note that the discharge end of the drain hose must not be immersed in the pumped-off water (siphon action).

The programme selector stops during the programme cycle

Your washing machine has been fitted with an AEG Thermo-Chron control system. This means that the control knob stops during prewash and main wash until the required temperature is reached.

The washing powder foams over

Too much washing powder! Reduce the amount of washing powder used in the next programme.

The programme (whites or coloureds) has been completed without spinning

The thermal protection device of the motor has tripped. The spinning cycle automatically comes on again at intervals of up to an hour.

Possible cause: could be blocked drain filter or a kink in the drain hose.

The door cannot be opened immediately after completion of the programme cycle.

Your LAVAMAT is equipped with a door safety lock, which cannot be opened during a spin cycle nor until approximately 1 minute after completion of the spin cycle.

Should you be unable to trace the cause of the problem, then please contact your AEG Service Department. To assist our Service Staff, please quote the model, and E-number which is on the rating plate on the rear of the machine.

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

A more comprehensive guarantee if offered by our AEG Service Club. For a modest annual premium you can sign a service agreement with our Technical Service to cover your machine.

AEG

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