

ÖKO_LAVAMAT 2550

The automatic washing machine which
takes care of the environment

Instructions for use



Contents

Safety instructions	
Before using your machine for the first time	4
Safety Instructions for the user	4/5
The ÖKO-system	6
The packing	6
For the sake of the environment ...	
Öko-Tips for economical washing	7
Description of the machine	
Equipment	8/9
The compartment for detergent and additives	10
Summary of instructions for use	11
Before the wash	
Sorting the wash	12
Pre-wash treatment	13
Particular care for certain fabrics	13
Machine loads	13
Opening the automatic washing machine	14
Loading the machine	14
Detergent	
Choosing a detergent	15
Quantity of detergent	16
Adding the detergent	17
Programme selection	
Programme selector/Temperature selector	18
Programme indicator	19
Push buttons	19/20
End of programme	21
List of programmes	22/23
Consumption and times	24
Maintenance and care of the machine	25/26
What to do if ...	27/28
Customer Service	29
Technical data	30

Safety instructions

Before using your machine for the first time

- Follow the installation and connection instructions
- Do not connect a damaged machine (e.g. damaged during transport)
- Small quantities of water in the detergent/additive compartment are due to factory tests
- To remove residue from manufacturing in the wash drum and dispenser compartment, a wash programme without clothes should be carried out - e.g. colour wash 60°C with a 1/2 measuring beaker of detergent.

Safety instructions for the user

The safety of AEG electrical appliances is in conformity with recognized technical standards and current legislation. Nevertheless, we feel obliged to point out to you and other possible users the following :

- Ensure before switching on the machine that the nominal voltage and current type indicated on the manufacturer's plate correspond with the voltage and current type where the machine is to be used. The necessary fuse protection should also be read off the rating plate.
- If your ÖKO-LAVAMAT is in a room subject to temperatures below freezing, the water must be removed from the machine should the danger of freezing be expected.
- Before cleaning, care and maintenance, ensure that the machine is switched off. You are completely safe if you remove the plug from the power-point, or, in the case of a fixed installation, when the circuit breaker is open or the cartridge-fuse is completely removed (see installation and connection instructions).
- Never spray the machine with a jet of water.
- Never pull the plug out by pulling on the cord, but rather on the plug itself.

- Do not switch the machine on if
 - the electrical cord is damaged, or
 - if the machine shows signs of damage to the control panel, the work surface or the base
- Repairs to electrical appliances may only be carried out by qualified personnel. Incorrect repairs can result in considerable danger for the user. Please only contact our factory customer service or a repair workshop approved by us. Only original AEG spare parts fulfil all requirements.
- Do not allow children to play with the machine, and keep domestic animals away from it.
- When disposing of the machine in a proper manner, destroy the door locks and cut off the power supply cord.
- If the machine is improperly used or incorrectly operated, no responsibility can be accepted for possible damage.
- Securely attach the discharge hose to avoid the risk of scalding and overflow.
- In case of breakdown, close the water tap and disconnect the machine from the power supply. The machine is disconnected when the plug is removed or the circuit-breaker(s) is (are) opened.
- Keep packing parts away from small children. The plastic sheeting is particularly dangerous.
- If you are washing pre-cleaned garments, flammable cleaning spirits must be completely evaporated.
- Do not use the machine for dry cleaning.
- If the machine is not connected to the potable water supply, but to a rainwater or similar supply, please observe the corresponding instructions.
- This machine complies with EC radio disturbance requirements 87/308/EC, EN 55014, DIN VDE 0875 part 1 and EN 55 011 - DIN VDE 0875 part 11 as well as the standard concerning effects on power supplies EN 60 555 parts 1-3 - DIN VDE 0838 parts 1-3.

The ÖKO-system

Your new ÖKO LAVAMAT from the AEG ÖKO System fulfils all current and future requirements of modern wash care and enables an individual and multiple choice of programmes.

The most economical use of water, power and detergent contributes to environmental relief and ensures the best economy.

The uniflow system

Through the uniflow system, the detergent is continuously circulated. The system enables a 100% use of the detergent with every programme and all wash temperatures. This increases the cleaning effect and helps to save detergent, compared with other machines without such a system.

Ribs

The ribs in the wash drum continuously carry the water to the top. This ensures an intense and balanced soaking of the wash.

Automatic water level control

The automatic water level control matches water consumption to the quantity of the wash and type of fabric.

Packing

All materials used are biodegradable. They can be disposed of without danger or burnt in rubbish incinerators.

Note on the materials : the plastics can be used again and are marked as follows: >PE< for polyethylene, e.g. the outer covering and the bags on the inside. >PS< for polystyrol foam, e.g. the padding, totally free from FCKW. The carton is made from used paper and should be deposited in the used paper collection.

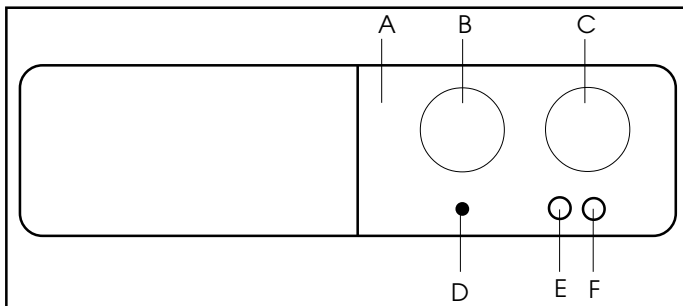
For the sake of the environment ...

These instructions will help you to act in an environmentally conscious manner :

- For normally soiled washes, programmes without pre-wash are provided. Compared to a programme with pre-wash, you save on water and detergent.
- Only use detergent with bleach additive if the wash is soiled with spots which can be bleached. Bleaches are particularly effective at high temperatures.
- Consumption of the machine is most favourable when it is full.
- For light to normally soiled washes, the saving programme is often sufficient; it uses lower temperatures which are maintained for longer periods.
- Spots and stains can be removed by appropriate pre-treatment. This saves a programme for heavily soiled clothes.
- Use the detergent exactly as advised by the manufacturer. Too much "wastes" your money and is bad for the environment. Follow the instructions for lightly soiled garments.
- Savings on detergent and for the environment may also be achieved if with medium to hard water you add sufficient detergent for soft water and then add separately a softener. This relieves our waters of a certain amount of chemicals.
- Use fabric softener only when necessary, e.g. with synthetic mixed fabrics, to avoid static charging. If you use a dryer, your wash will be soft and fluffy even without fabric softener.

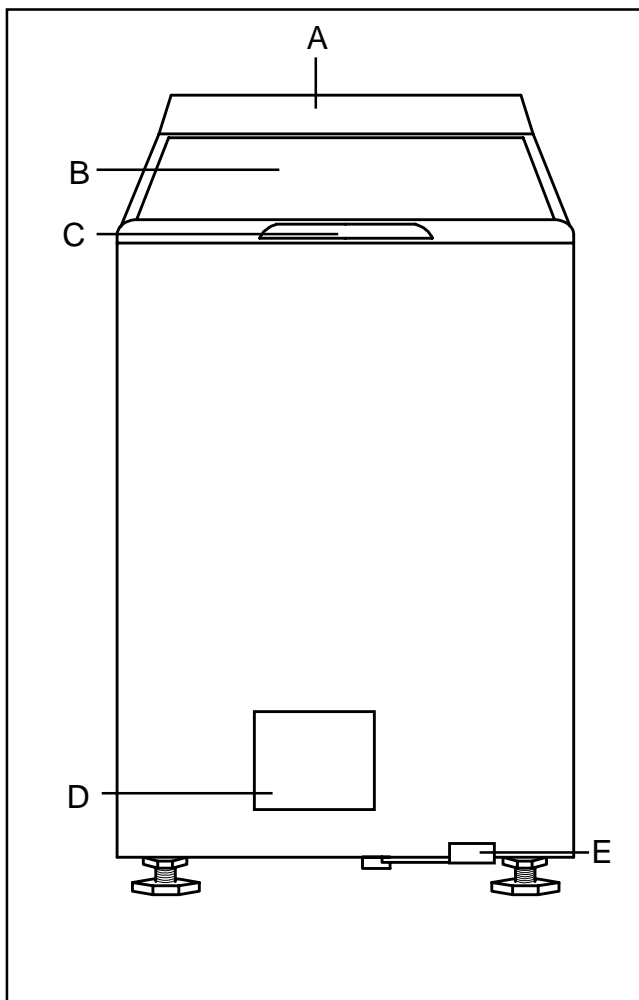
ÖKO tips for economic washing

Machine description



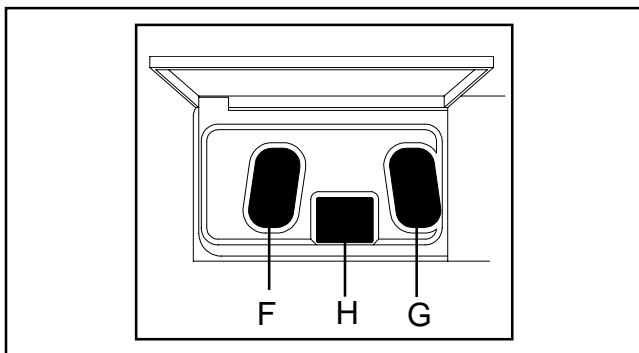
Equipment

- A Control Panel
- B Programme selector with programme indicator
- C Temperature selector
- D Pilot light
- E INTENSIVE button
- F Spin speed reduction button 850/700 rpm.



- A Control Panel
- B Lid
- C Handle for opening lid
- D Trap door for lint filter
- E Lever for castors

The compartment for detergent and additives



- F Compartment for Softener or pre-wash detergent
- G Detergent compartment for main wash
- H Compartment for liquid additives (fabric softener, fabric conditioner, starch)

Summary of instructions for use

- **Prepare the wash**
Sort, pre-wash treatment
- **Choose the programme**
Set the programme selector to the required programme.
If required, press additional buttons
- **Open the lid**
- **Place the laundry in the drum**
- **Add detergent**
- **Close the lid**
- **Turn the temperature selector**
Choose and select the temperature and the cycle starts.
- **At the end of the programme**
After 2 minutes of waiting time, open the lid.
Remove the washing

Before the wash

Sort the washing

- Check that the fabrics are machine washable. This information is provided by the usual international washing symbols :

High temperature wash



Coloured wash



Synthetics




Delicate fabrics



Wool



- Sort the wash according to type, degree of soiling and temperature.
- Woollen items with only the Wool symbol  are not suitable for machine washing. To wash woollen items, the additional note “does not mat” or “machine washable” is necessary.
- The items with the following symbols are unsuitable for machine washing :

Hand wash



Do not wash



Dry clean



Do not dry clean



Bleach possible



Do not bleach



- Observe the recommendation “wash separately”.

- New, dark coloured items often have an excess of dye. During the wash, this can be transferred to lighter coloured fabrics. It is better to wash such items separately the first time.
- Treat stains as soon as possible, while they are still fresh, with water, soap or appropriate pre-wash treatment (stain spray, pre-wash paste etc)
- **Empty Pockets**
In particular, remove metallic objects (paper clips, safety pins etc.)
- Button pillow slips. Close zip fasteners, hooks and eyelets. Tie loose belts and apron strings together.
- Worked coloured fabrics, wool and fabrics with attached decorations should be turned inside-out.
- **Small and delicate objects** (e.g. baby socks, stockings) can be easily washed inside a small pillow-case with a zip fastener or in larger socks.
- **Treat curtains with particular care**
They can be damaged simply by open windows or on being removed (so-called “runs”). Place small metal rings or edged plastic rings in a net or bag.
We can in no case assume responsibility for damage. Only spin-dry curtains if it is approved by the manufacturer.

Pre-wash treatment

Care with certain fabrics

	Maximum load
High temperature/colour wash normally soiled	4,5 kg
Synthetics and delicates	2,0 kg
Wool	1,0 kg
Short programme for high temperature/colour wash	2,5 kg
Short programme for synthetics	2,0 kg

**Loading
(Maximum quantity of dry washing)**

Notice for Test Institutes :

For tests similar to IEC 456 (new) with standard load A the maximum load is 4,05 kg.

Whenever possible, wash with a full load as this ensures maximum efficiency.

Do not overfill. This has a negative result on the washing results.

With synthetics articles particularly prone to creasing, you should reduce the load.

To open the drum, press the button on the drum lid, press the drum lid down and open slowly. Load the washing and then close the drum and washing machine lids.

Caution: before closing the appliance lid check that the drum lid is properly closed.

As far as possible, mix large and small articles in the wash. This improves washing efficiency and makes for more efficient distribution of the wash during spin drying. Do not load folded washing.

**Opening
the washing
machine**

Loading

Detergent

You may use all modern detergents suited to domestic washing machines.

The use of the detergent depends on the type of wash and the degree of soiling.

Soiling is differentiated according to :

- **Dirt**, e.g. dust, soot, sweat, grease etc.
- **Bleachable stains**, e.g. red wine, fruit, vegetables etc.
- **Protein stains**, e.g. blood, milk etc.

The different types of washing products are :

- **Washing powders** containing bleach
- **Liquid detergents**, not containing bleach
- **Colour and delicate detergents**, not containing bleach, often also not containing optical brighteners, gentle on fabrics
- **Wool detergents**, free of bleach and enzymes, particularly gentle on wool fibres
- **Curtain detergents** with light proof optical brighteners to avoid yellowing through the effect of sun light.

- **“Kit” detergents**
These allow separate dosing of basic detergent, water softener and bleach and stain removers.
- **Water softeners** for softening of the mains water
- **Bleach or stain removers**, for localised use on stained articles or as an additive when using bleach-free detergents.
- **Pre-treatment** for localized use on stains
- **Fabric softeners** prevent electrostatic charge build up on synthetic fabrics and gives the wash a soft feel
- **Starch and fabric conditioners** give body to the fabrics and facilitate ironing
- **Dyes and dye removers** may only be used if authorized by the manufacturers of these products

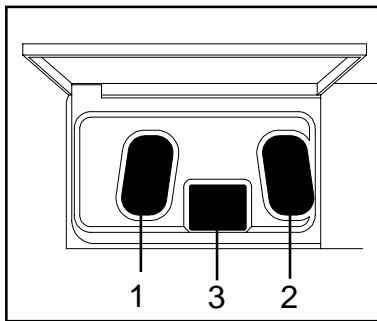
Choice of detergent

**Detergent
Quantities**

The quantity of detergent used depends on the size of the wash, the hardness of the water and the degree of soiling. Follow the instructions on the detergent packet. Your local water supply company can supply information concerning the hardness of the water.

Water hardness		
Degree	dH	mmol/L
I - soft	below 8	below 1,4
II - medium hard	8 - 14	1,4 - 2,5
III - hard	15 - 21	2,6 - 3,7
IV - very hard	over 21	over 3,7

If the detergent manufacturer gives no quantity indications for reduced loads, use half less for a half load, and for small loads one third of the quantity for a full load.



There are three compartments in the detergent and additive dispenser.

- | | |
|---------------|---|
| Compartment 1 | = softener for programmes without pre-wash ; washing powder and powder softener for programmes with pre-wash or soak. |
| Compartment 2 | = washing powder for the main wash ; for programmes with pre-wash, also the softener. |
| Compartment 3 | = Liquid additives (fabric softener and conditioner, starch) |

Please note the following :

- For programmes **with pre-wash** and addition of detergent and softener in the same compartment, first add the detergent, then the softener.
- If you prefer **liquid detergent**, please use the measuring beakers supplied by detergent manufacturers. Add the detergent in accordance with the manufacturer's instructions.
When using liquid softener, follow the manufacturer's instructions.
- Fill the additive compartment only up to the "**MAXI**" level, otherwise the additive will spill over prematurely and without any effect into the machine.
- When using thick softener concentrate and starch, it is recommended to top up the compartment to the "**MAXI**" level with water.
- If you wish to use starch in powder form, dissolve it according to the maker's recommendations and pour the solution into the compartment. Choose the "fabric softener" programme.

Adding Detergent

Adding powders

Adding liquid detergent

Adding liquid additives

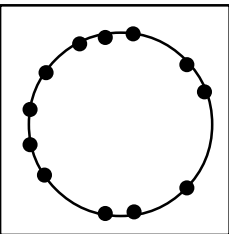
Choosing the wash programme

The wash programme is chosen with the programme selector, the temperature adjustment knob and the buttons.

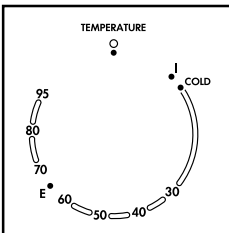
For normally soiled articles, choose a programme without pre-wash. For dirty articles choose a programme with pre-wash or use the “intensive” button (refer to the button description). For protein based stains (blood, cocoa), we recommend a programme with pre-wash. For heavily stained articles (fruit, vegetables, tea) press the INTENSIVE button.

The programme selector contains settings for main and additional programmes (refer to the list of programmes).

Programme selector

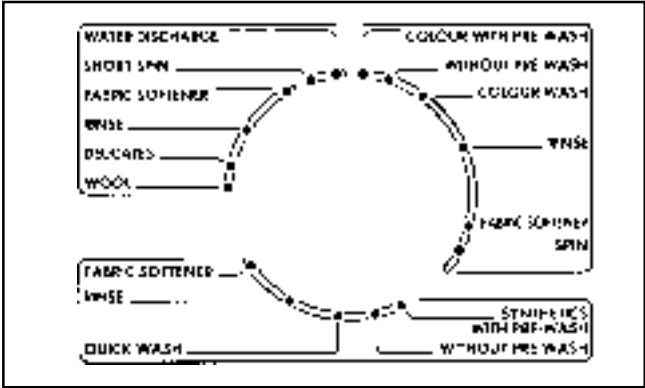


Temperature selector



The temperature selector can be infinitely varied to all necessary temperatures. The setting of the temperature starts the programme.

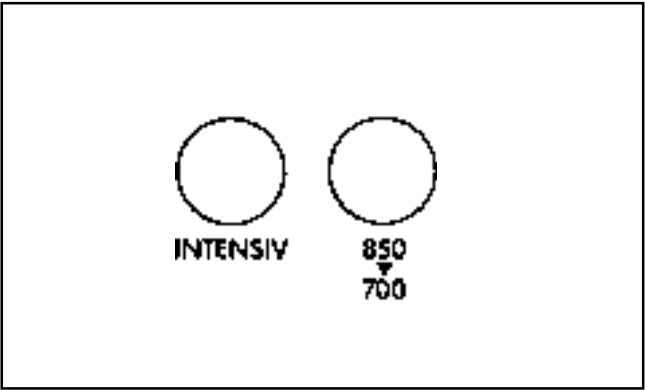
During the programme, the dial of the programme selector rotates in steps and indicates which part of the programme is running.



The programme indicator

By combining main and additional programmes with the buttons, a programme for all needs can be obtained.

Push Buttons



INTENSIVE

This feature increases the wash “efficiency” by lengthening the wash time after the heating phase.

**Spin speed
850/700 push
button**

You may reduce spin speed with this button for all programmes. If you do not press this button, spinning takes place at maximum speed.

End of programme




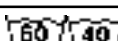

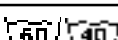
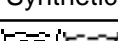
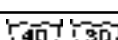
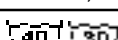
At the end of the programme, the machine can be opened. Buttons which may have been set should be released by pushing again. Set the temperature selector on "0" position.

Remove the washing.

Check that the drum is completely empty, as otherwise articles could be damaged in the next wash cycle (e.g. shrinking) or could colour other articles.

**Switching off -
opening the lid**

List of programmes

Wash symbol/ Wash	Programme	Programme selection		
		Programme selector	Temperature selector	Buttons
 Cotton/linen	High temperature/ colour with pre-wash	COLOUR WITH PRE-WASH	30 ... 95	
 Cotton/linen	High temperature/ colour without pre-wash	COLOUR WITHOUT PRE-WASH	30 ... 95	
 Cotton linen	Saving programme	COLOUR WITHOUT PRE-WASH	E	INTENSIVE
 Dressed cotton, mixed cotton fabrics, synthetics	Colour wash	COLOUR WASH	30 ... 60	
 Synthetics	Synthetics with pre- wash	SYNTHETICS WITH PRE-WASH	30 ... 60	
 Synthetics	Synthetics without prewash	SYNTHETICS WITHOUT PRE-WASH	30 ... 60	
 Synthetics	Short programme	QUICK WASH	30 ... 60	
 Wool /mixed woollen fabrics, silk	Wool	WOOL	cold ... 40	
 Synthetics/Curtains	Delicates without pre- wash	DELICATES	cold ... 40	
Cotton/linen - synthetics	Rinse Fabric softener	RINSE FABRIC SOFTENER		
Wool/delicates	Rinse Fabric softener	RINSE FABRIC SOFTENER		
Cotton/linen	Spin	SPIN		
Synthetics/wool/ delicates	Short spin	SHORT SPIN		
	Water discharge	WATER DISCHARGE		

Load	Programme cycle	Possible additional buttons
Up to 4,5kg	Main wash with pre-wash, 3 rinse cycles, final spin	850/700 INTENSIVE
Up to 4,5kg	Main wash without pre-wash, 3 rinse cycles, final spin	
Up to 4,5kg	Main wash without pre-wash, 3 rinse cycles, final spin	850/700
Up to 4,5kg	Colour wash without pre-wash, 3 rinse cycles, final spin	850/700 INTENSIVE
2 kg	Synthetics with pre-wash, 3 rinse cycles, rinse hold	
2 kg	Synthetics without pre-wash, 3 rinse cycles, rinse hold	
Up to 2 kg	Synthetics without pre-wash, short programme, 3 rinse cycles, rinse hold	850/700
Up to 1 kg	Main wash without pre-wash, high water level, strongly reduced drum movement, 3 rinse cycles, rinse hold	
Up to 2 kg	Main wash without pre-wash, high water level, strongly reduced drum movement, 3 rinse cycles, rinse hold	
4,5kg(cotton) 2 kg (synt)	3 rinse cycles, final spin 1 rinse cycle, final spin	
1 kg (wool) 2 kg (synt.)	3 rinse cycles, rinse hold 1 rinse cycle, rinse hold	
up to 4,5kg	Final spin	
up to 2 kg up to 1/2 kg	Short spin	
	Water discharge	

Consumption and times for selected programmes

Programme	Water consumption in litres	Electricity consumption in kWh	Time in minutes
High temperature wash 95°C,	72	1,9	130
Colour wash 60°C,	72	1,3	115
Synthetics 40°C,	55	0,6	90
Wool 40°C,	65	0,6	55

The values in this table were established under normal conditions. Variations up or down are possible in practice. With programmes with pre-wash, the programme time is increased by approximately 25 minutes.

Maintenance and care

Clean the dispenser compartment from time to time to remove remaining detergent.

Dispenser compartment

The wash drum is made of rust free stainless steel. Rusty objects not removed from the wash can cause rust spots to appear on the drum. These spots can be removed using stainless steel cleaner. The customer service has suitable products available.

Wash drum

When correct quantities of detergent are used, descaling of the machine is hardly necessary. If need be, use only brand name descaling products with corrosion protection, designed for washing machines. The customer service has suitable products available.

Descaling

The control panel and controls should be cleaned in case of need only with lukewarm water.

Control panel and controls

Cleaning the lint filter



Regular cleaning of the lint filter is important

If you wash articles containing a lot of lint, clean the filter after every wash. Place the water discharge hose in a flat container placed on the ground, to completely empty the machine.

- Open the flap door of the filter compartment by pressing it inwards with a finger at the hinged side.
- Turn the filter knob counterclockwise and pull the filter out.
- Clean the filter thoroughly.
- Refit the filter and turn the knob clockwise.

What to do if ...

... **The washing machine does not work at all ?**

- Is the machine connected to the power supply?
- Was a programme selected?
- Was a temperature selected?
- Are all the lids closed?

... **No water runs in ?**

- Is the water tap open?
- Is the filter in the water inlet blocked ?

... **The spin cycle begins after a delay ?**

- The electronic unbalance control system of the machine has operated due to unfavourable distribution of the wash. The wash is separated by reversing movements of the drum, redistributed and the spin cycle begins again. This can occur several times until the unbalance is removed and spinning can finally begin.

... **The washing machine vibrates or does not stand still ?**

- With very small loads (e.g. only a bathing costume) the machine may vibrate. This has no effect on operation.
- Are the adjustable feet properly adjusted? Follow the instructions for installation
- Is the discharge hose bent ?
- Are the transport securings completely removed ? Follow the instructions for installation

... **The detergent in the main wash foams strongly ?**

- Was too much, or the wrong detergent used ? Check the quantities added more precisely.

... **Water runs out from under the machine ?**

- Is the inlet hose connector loose ?
- Is the hose clamp on the discharge hose loose ?
- Is the discharge hose damaged ?
- Is the lint filter cover properly closed ?

... **The wash results are not as usual ?**

- Was the wrong quantity or the wrong detergent added ? Insufficient detergent leads to grey washes and scale deposits in the machine. Check the quantities more exactly.

- Were special stains pre-treated ?
- Were programme and temperature correctly chosen?

... **Despite pre-treatment, stains are not removed ?**

- They may be stains which cannot be removed by washing. Ask a specialist.

**Problems you
can solve
yourself**

... **Grey traces are found on the finished wash ?**

- Too little detergent was used for articles stained by ointment, grease or oil. The quantity of detergent is insufficient to dissolve grease ?

- Was the temperature chosen too low ?

... **Traces of fabric softener are found on the finished wash ?**

- In such cases, usually fabric softener, in particular in concentrated form, has gone directly into the wash outside of the machine. Such spots should be washed out as quickly as possible.

... **At the end of the programme, there are white detergent deposits on the wash ?**

- It is usually a case of insoluble elements of modern detergents. They are not the result of insufficient rinsing. Possible solution: brush out or shake out, or turn articles inside out for washing.

... **After the final rinse cycle, suds are still visible ?**

- Modern detergents can cause suds even in the last rinse cycle, but this has no influence on the rinse results.

... **The wash is not spun sufficiently and there is water remaining in the drum ?**

- Is the discharge hose bent ?
- Has the maximum height of the discharge hose of 1m been exceeded ?

Customer Service

Should you find no solution to a problem in the instructions for use, contact the customer service.

Should you contact the customer service for one of the detailed solutions or as a result of incorrect operation, the visit of the customer service cannot be made free of charge, even during the guarantee period.

Provide the customer service with the production number (E. No.) and series number (F. No.) which you will find on the plate on the inside of the lint filter trap door.

Mentioning these numbers enables the customer service to select a choice of spare parts so that the machine may be repaired on the first visit of the technician, which will avoid you having to pay for a number of trips for the technician.

In order to have these numbers readily available, we would advise you to enter them below.

E-No.

F-No.

Technical Data

Dimensions:

Height	65 cm
Width	45 cm
Depth	65 cm (including installation)

Connections :

Details of electrical connection should be obtained from the rating plate. Ensure that the nominal voltage and current type correspond to the supply voltage and current type at the place of installation.

Drum speeds :

Washing : 55 rpm

Spinning : 850 rpm

Water pressure :

1 - 10 bar (= 10 - 100 N/cm² = 0,1 - 1,0 MPa)

Weight empty :

approx. 78 kg

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