

How to use the washing machine

12004

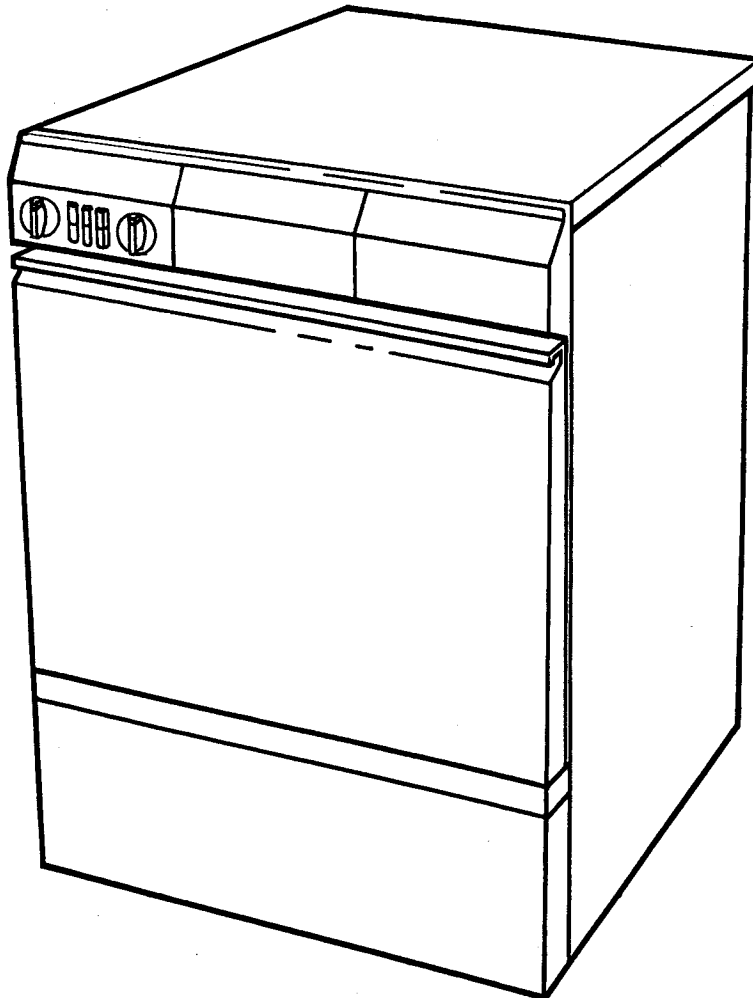
Important:

**Read all instructions before using the appliance.
The machine must be installed by a qualified
electrician.**

**The machine must not be started until the transit
packing has been removed. (It prevents the tub from
shaking while the machine is being transported.)**

**WARNING—To reduce the risk of fire, electric shock, or
injury to persons, read the IMPORTANT SAFETY
INSTRUCTIONS before operating this appliance.**

SAVE THESE INSTRUCTIONS!



WARNING - Important!

Improper connection of the equipment grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the appliance is properly grounded.

This appliance must be grounded. The plug must be plugged into an appliance outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not wash or dry articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry-cleaning solvents, other flammable or explosive substances as they give off vapors that could ignite or explode.

How to use the machine

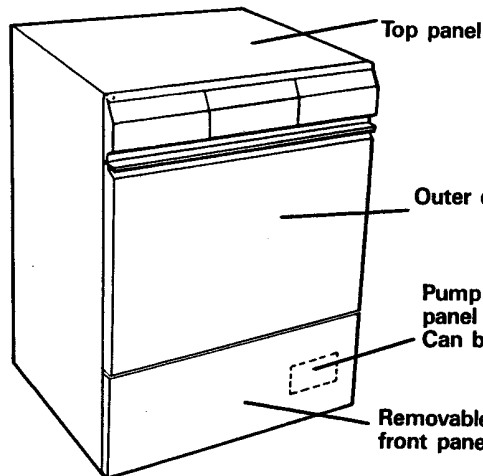
Follow the figures in the strip through this booklet for brief instructions on how to use the machine.

Full details and comments can be found below the strip and must be fully read before operating the washing machine.

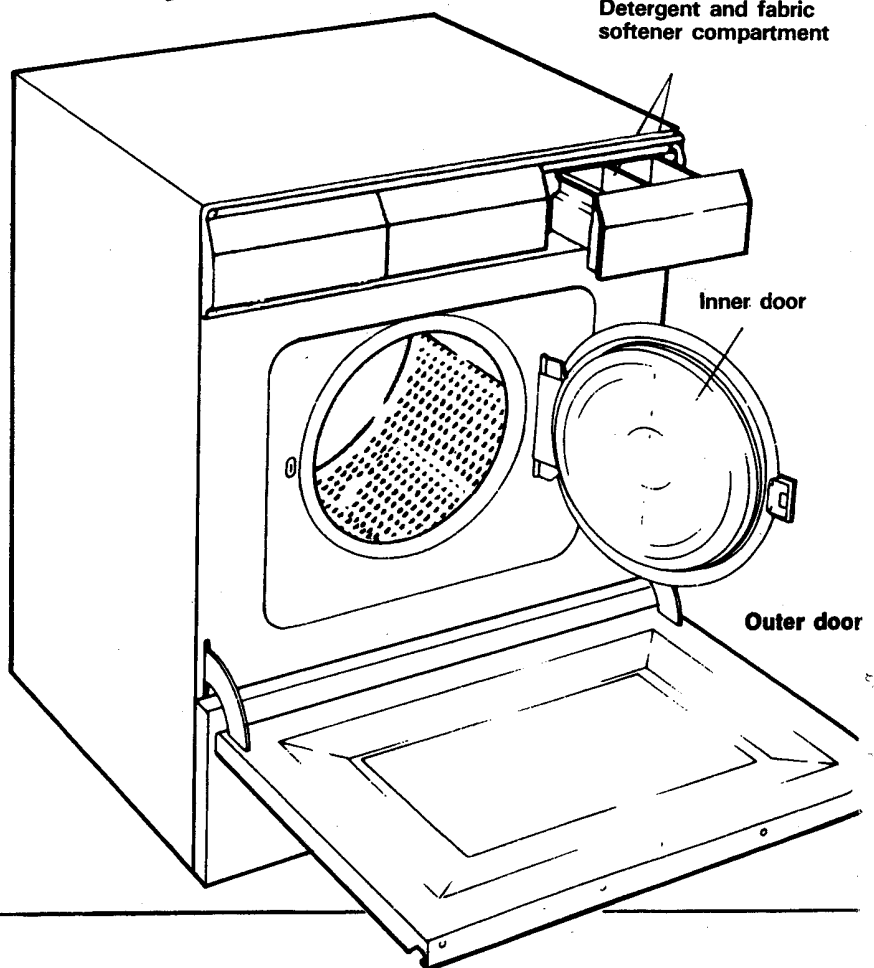
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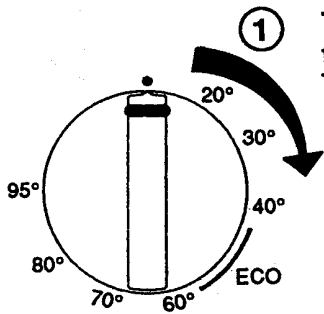
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Guide to parts



This indicator light shows when the machine is turned on





① Turn the thermostat knob to the required setting. The indicator lamp will light.

A safety catch prevents the thermostat knob from being turned to higher temperatures. Release it by pushing the button beneath the knob. This safety device can be disconnected — see page 9.

② Open the door by pushing the button with the keyhole symbol (door opening).



The Control panel

Program control knob

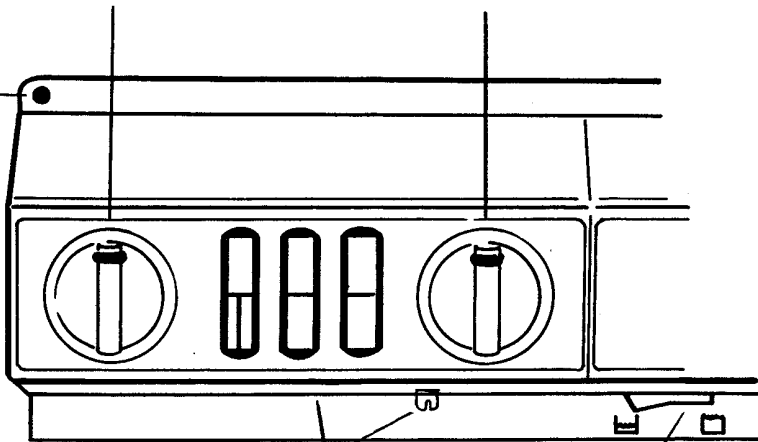
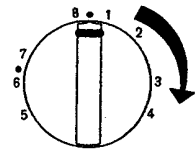
The program control knob must be turned clockwise only.

Thermostat knob with main switch

The door cannot be opened if the thermostat knob is turned to 0.

The door can be opened only when the machine has pumped out the water in it, i.e. **the program control knob** has stopped with the mark against the ① mark. (i.e. after 6 or 8).

If the mark is against any other position, turn the program control knob to 8 to pump out the machine. After about 90 seconds, the machine will be empty and the knob will have moved to the ① position. The door can now be opened: see (1) above.



Safety catch

Press the button to release the safety catch so that the thermostat knob can be turned to higher temperatures (clockwise). Alternatively, the safety catch can be disengaged completely, as described on page 9.

Press the right hand side of the rocker switch for extra high water level during rinses. Press the left hand side of the rocker switch to return to the normal rinse water level.

Higher water level

To obtain higher water level, eg. for washing a mat, proceed as follows:

- Press the delicates Wash button.
- Allow the machine to fill to your required level.
- Press the Delicates Wash button again and the ordinary program will now continue.

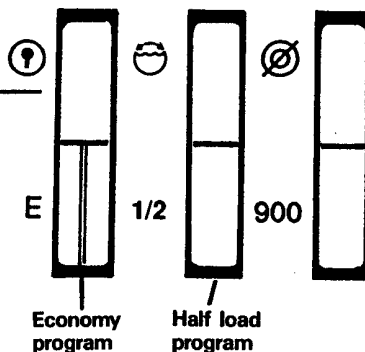
Opening the inner door

The inner door can only be opened when

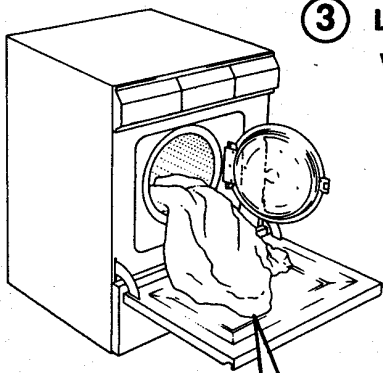
- The thermostat knob is set to a temperature above 20°C, and
- The program control knob has stopped at the ① mark. If the door will not open, see above.

Delicates wash program: high water level, only three rinses and short spin.

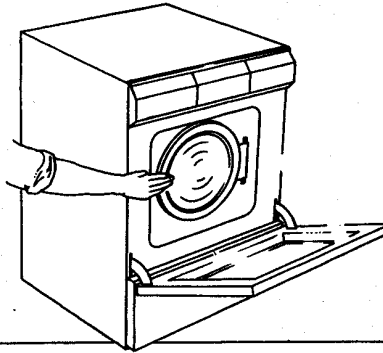
Omit spin



Selection of low spin speed of 900 r/min is achieved when button is depressed. NOTE: When button is out spin speed is 1300 r/min.



③ Load the washing . . .



. . . and press the inner door shut.
(It cannot be slammed shut.)

Close the outer cover.

Sort the washing

Sort clothes by color, fiber content, amount of soil, lint shedding properties (cotton, chenille, and terrycloth shed), lint attracting properties (permanent press, corduroy, velveteen, flannel and synthetics attract) and those requiring a delicate cycle. Most clothes and other washable items have **permanent care labels**. Read these labels carefully! Care label instructions and warnings should be followed for the best cleaning results.

Load the Washer Properly

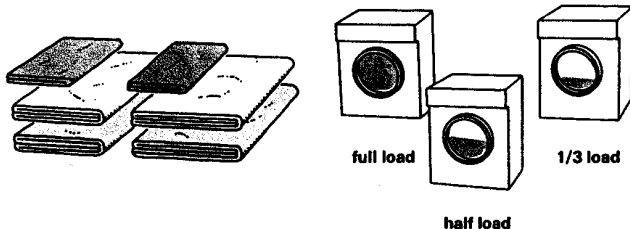
The following chart shows how full to load the washer for the best results. The load size depends on what types of fabrics you are washing.

Permanent press items need room to move freely during washing for the most wrinkle-free results. Therefore, fill the machine only **half full** for permanent press loads. These items should only have a **brief spin** cycle after which they should be promptly removed from the washer for drying. Follow the guidelines on the Program Charts for "permanent press, synthetics".

Machine washable **wool** loads should only be one-third full for the cleanest results in this shortened cycle.

Recommended load sizes

Full Load	Half Load	Third Load
Cotton Linen	Permanent Press Synthetics Acrylics Special finish cottons	Wool (machine washable) Silk Acetates



How much is in a full load?

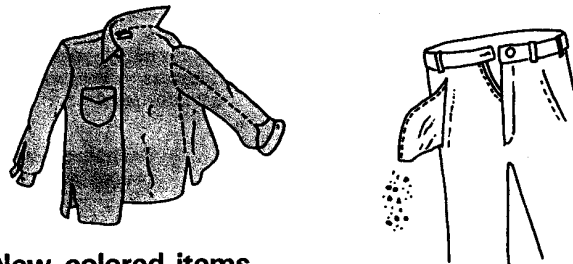
If the drum is filled without packing it tightly, it will hold the equivalent of two sheets, pillow cases and mattress pad or thin blanket off of a queen size bed or two king size sheets, two pillow cases and two to four bath towels.

Water level in the washer

There is no need to set a load size or water level because the Asko Automatic Level Control System **automatically selects the correct amount** of water for each load.

Preparing clothes for washing

- Turn delicate items, sweaters and t-shirts inside out to prevent pilling and to protect the prints.
- Empty pockets and turn them inside out.
- Remove any sharp ornaments, pins or buckles to prevent snags.
- Close zippers and hooks to prevent snagging.
- Tie sashes and strings to prevent tangling.
- Mend any small rips or tears to prevent them from getting bigger.



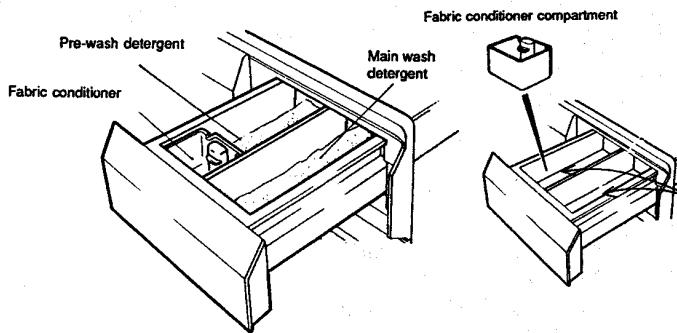
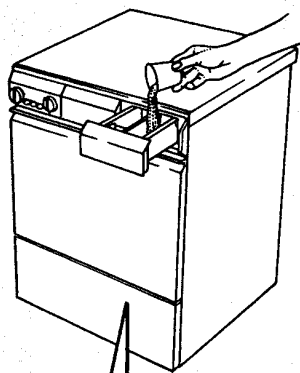
New colored items

Read labels carefully! If a label says "Wash Separately", the item will lose color (excess dye) for the first few washings. To minimize the possibility of this color transferring to white or lighter colored items, wash new colored garments with items of similar color or alone before wearing. Bright reds and oranges on cottons are the dyes most likely to transfer colors to the wash load. Fluorescent colors should always be washed separately.

Prewash or not?

When washing items that are only slightly soiled, the prewash cycle can be omitted. Starting the machine at the main wash stage will save about 25 minutes.

Pour detergent (and fabric softener, if used) into the appropriate sections of the detergent compartment.



Detergents-What kind-How much?

- **Use only low sudsing laundry detergents!**

Detergents are available in low, normal and full sudsing formulas. A detergent's ability to clean is **not** related to the amount of suds it produces. Excess suds in a front loading washer actually interfere with cleaning action because they cushion the tumbling of clothes. High sudsing detergents are also more difficult to completely rinse out.

- **Use 1/4 to 1/2 of the recommended U.S. detergents.** Because of the Asko washer's low water consumption and the fact that all the wash water and detergent are completely circulated repeatedly through the laundry, ensuring that all the detergent is fully utilized, detergent usage is cut by 50% to 75%.

Different brands of detergents recommend using different amounts. Read all package labels carefully. The first time you use any detergent, **start with 1/4 of the recommended amount.** (For example: If the label says use 1 cup, use 1/4 cup.)

If the detergent produces a good, low level of suds, you may add slightly more detergent if you have **very hard water** or if your clothes are not getting perfectly clean. It is advisable to check your water hardness with the local water department.

- **Recommended detergents.**

Avoid normal and full sudsing detergents. The chart below lists several low sudsing detergents that have been successfully tested in the Asko washer, along with the recommended amounts.

Recommended Detergents	Main Wash Detergent Amount*
Fab (powder)	1/4 cup to 1/2 cup
Amway SA8 (powder)	1-2 tablespoons (1/8 cup)
Fresh Start (powder)	2 tablespoons (1/8 cup) to 1/4 cup
All (powder)	1/4 cup to 1/2 cup

* Add slightly less additional detergent for prewash (program 1 only).

In general, liquid detergents tend to be higher sudsing than powders.

Do not use powder detergents that do not wash completely out of the detergent cup as the machine fills with water.

Liquid detergents

Liquid detergents tend to produce more suds than powder detergents. When trying a liquid detergent for the first time, start out with a very small amount, such as 1 to 2 table-spoons. Liquid detergents can be used for all programs without pre-wash. Add it into the main wash compartment.

Bleach

The use of bleaches is **not necessary** with these machines, nor is it recommended.

Fabric softeners

Use **1/3 to 1/2 of the recommended amount** of fabric softener, because of the low water usage of the Asko washer. Fabric softeners are available in several concentrations. Read the labels carefully and use only 1/3 to 1/2 of the recommended amount. (For example: If the label says to use 1 capful, use 1/4 capful.) If more softening is desired, try adding slightly more the next time.

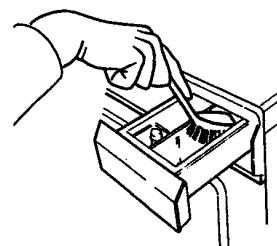
Oversudsing

The use of anything other than a low sudsing detergent can cause severe oversudsing. If this happens, run the wash through one or more rinse programs (starting on 5) until items are thoroughly rinsed. Then, run the empty washer through an entire wash program (starting on 1) to clear the machine of any remaining high sudsing detergent.

Note: Detergents: Using more detergent does not improve the washing performance, but merely imposes an extra load on the environment. Try reducing the amount of detergent you use, and increase it only if the results are unsatisfactory.

Clean the detergent compartment regularly

1. Pull out the compartment and remove the fabric conditioner insert.
2. Select any program.
3. Clean the compartment with a brush while water flows through it.
4. When finished, select program 8 to pump the water out of the machine.



Press for . . .



. . .gentle wash and high water level

The gentle wash facility increases the length of time between drum movements. As a result, items are treated even more carefully.



. . .washing without spinning (in a program which would normally incorporate spinning)

If this pushbutton is pressed in and the program control knob is turned to 7, the machine will give a short spin.

900 . . .high spin speed

Pushbutton pressed in: 900 r/min
Pushbutton released: 1300 r/min

1/2 . . .program for minimum load (small quantity of washing)

Pressing in this pushbutton reduces the number of rinses to 3 (from 5) and gives a long spin.

E . . .economy program

When using the economy program, the thermostat must be turned down to 60–80°C for white wash, or 40°C for colored or synthetic wash. With this pushbutton pressed in, the main wash time will be extended by 22 minutes, which largely compensates for the lower wash temperature. If the clothing is very dirty, you may keep the temperature at 95°C and press the E-button. This will result in the main wash being prolonged by 22 minutes.

Cool wash If you require a cool/cold wash, turn the thermostat knob until the 20°C mark or until the machine starts.

High **Water level during rinses**

Press the right hand side of the rocker switch for extra high water level during rinses.

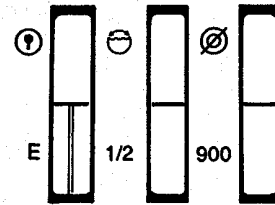


Quick wash program*

The machine has a special quick wash program, which saves both time and energy. The mainwash time is shortened, the number of rinses is reduced and there is no pre-wash program. This program should not be used for heavily soiled items.

⑤ Press one or more buttons to change the program.

Select the program of your choice.



Make up your own washing program

A wide range of program combinations can be made by using the thermostat knob, pushbuttons and program control knob. As a result, suitable programs can be made for new types of fabric.

The table below shows examples of common programs. The resulting machine cycle is shown on the right.

Fabric care label	Type of fabric	Fill	Program	Option button	Temperature
	White cottons with pre-wash	●	1		95°
	White cottons without presoak	●	2		95°
	White cottons + Economy	●	2	E	60°
	Colorfast	●	3		60°
	Colorfast + Economy	●	3	E	40°
	Delicates	◐	3	1/2	40°
	Acrylics, white	◐	2	1/2	60°
	Acrylics, colors	◐	2	1/2	40°
	Quick wash*	◐	4	1/2	40°
	Wool	○	4		40°
	1 rinse + spinning		5		

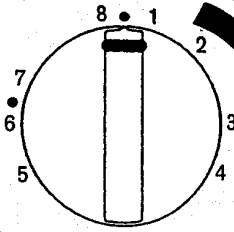
Second thoughts?

To change to a different program, simply turn the program knob clockwise to the new program. Adjust the thermostat setting if necessary.

To interrupt a program to add an item, turn the program selector knob to 8. After about 90 seconds, the inner door can be opened, as described in item 2.

If you add more washing and restart the machine: check there is still detergent in the detergent compartment.

⑥ Turn the program control knob to the desired program. The machine will start and carry out the operations shown in the table below. The program control knob must be turned clockwise only.



What the figures on the program control knob mean:

- 1 Starts program with pre-wash program
- 2 Starts program with 5 minutes soak
- 3 Starts short washing program
- 4 Starts the wool program
- 5 One rinse, with spin

- 6 Only when the pushbutton is pressed in:
 - The machine stops.
 - Turn the program selector knob to 6 to pump out the water.
 - Turn the program selector knob to 7 if spinning is required.
- 7 Spinning
 - Press in pushbutton for a short spin
- 8 Pumping out

Water-consumption, gallons	Automatic operations:					
	Pre-wash	Main wash	Rinses	Spin 45 sek	Rinses	Spin 10,5 min
17						
16						
16						
16						
16						
10						
10						
10						
10						
17						
2.5						

After these programs, the machine stops with the final rinse water in the drum. Turn the program control knob to 7 for a short spin. Most items can withstand careful spinning. Make sure that the pushbutton is pressed in.

The machine stops with the final rinse water still in it. Turn the program selection knob to 6 to pump it out.

7**When the machine has stopped**

- After a program which concludes by pumping out the water, the door can be opened directly, as described in 8.
- If you have selected a program which stops with water in the machine, turn the program selector knob to one of the following. The machine will then complete the sequence as described after which the door can be opened as in 8.

6 Machine pumps out

7 Spinning

• Press in pushbutton for a short sign.

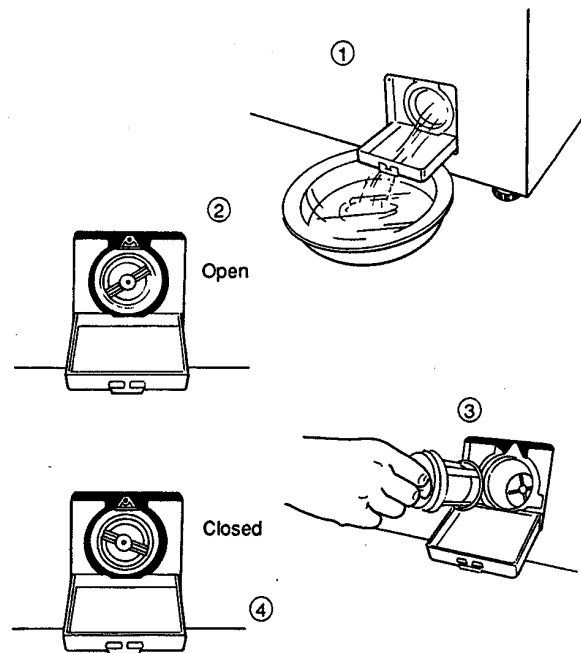
• Release the pushbutton for a long sign.

8 Water pumps out

8**Open the door**Press the **F** knob**Care of the machine****Check the needle trap and outlet pump**

The machine has a needle trap which will trap needles, hairpins, coins and similar items. Clean it at intervals as follows:

1. Open lower cover, and place a bowl on the floor in front of the pump (1).
2. Turn the pump cover anticlockwise to the position shown in (2). This uncovers the drain holes and water will run out into the bowl.
3. When the water has finished draining out, turn the pump cover further and pull it off. Clean out the needle trap, and clean the pump rotor at the back of the pump housing (3).
4. Check that there is no grit or small objects in the pump, and replace the pump cover. Turn it clockwise in two stages: when you hear a click, turn it a little more to its end stop, as shown in (4).

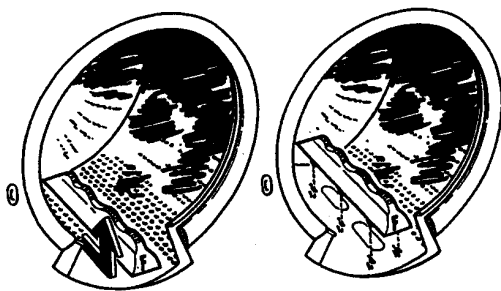
**Clean the door seal**

It is essential that the door seal is kept clean and any buildup of dirt or limescale is removed frequently. A small amount of "calgon" or similar added once a week to the wash is advisable in hard water areas.

Access openings under the drum paddles

If an object has fallen between the drum and the outer container, you can get it out as follows:

1. Undo the screw on top of the paddle with a screwdriver (three turns).
2. Pull the paddle towards you and lift it upwards.
3. Remove the object. Be careful not to bend the immersion heater elements.
4. Locate the paddle in its fixing hole, with the F-mark to the front (i.e. facing you). Slide the paddle backwards as far as it will go. Check that its clips are properly located in the slots in the drum, and retighten the screw.



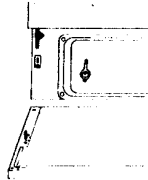
- ⑨ **After washing**
Turn off the machine by turning the thermostat knob to 0. This turns off the power, and the indicator lamp goes out.

Leave the inner door slightly ajar after use to allow air to circulate within the machine.

If the machine does not work

The door cannot be opened

- ① Check that the mark on the program control knob is opposite (after 6 or 8). If not, turn the program knob to 8 and wait 90 seconds.
- ② Check that the thermostat knob is set to a temperature above 20°C.
- ③ Is power reaching the machine? Check the supply fuse. The door cannot be opened with the button, if there is no power supply.
- ④ If the door cannot be opened in the normal manner, it can be opened as follows:
 - Remove the lower front panel.
 - Unscrew the plastic ring and pull. Then the door opens.
 - Replace the ring and the front panel.



* Water may be removed from the drum by placing the drain hose as low as possible in a suitable container.

WARNING: Switch off the machine at the mains and remove the plug. The water may be hot and fill more than one container. The flow may be stopped by lifting the drain hose above machine height.

The machine does not start when the program control knob is turned

- ① Check if the thermostat knob is set to 0. This turns off the current. If it is, turn the knob to the required temperature.
- ② Is the door properly closed? Press it shut firmly.
- ③ Is the power turned on? Check the fuses if necessary.

The machine does not fill with water

- ① Is the tap in the supply connection turned on?
- ② Is the strainer in the water inlet blocked? Turn off the tap and unscrew the hose connector to inspect the strainer.

Foam in the final rinse water, or water still in the machine after spinning/pumping

- ① Is there a kink in the outlet hose?
- ② Is the outlet pump blocked by dirt or a piece of fabric? Clean the pump as described on page 8.
- ③ Has anything caught in the outlet hose?
- ④ Is button trap's inner face correctly positioned according to the instructions stamped on the face?

Safety

The machine cannot be started if the inner door is open. The inner door cannot be opened while the machine is running or if it has stopped with water in. The water must be pumped out (see page 3) before the inner door can be opened.

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the appliance is properly grounded.

The appliance must be grounded. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not allow children to play on or in the appliance. Close supervision of children is necessary when the appliance is used near children.

Do not wash or dry articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry-cleaning solvents, other flammable or explosive substances as they give off vapors that could ignite or explode.

Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for 2 weeks or more. **HYDROGEN GAS IS EXPLOSIVE.** If the hot water system has not been used for such a period, before using a washing machine or combination washer-dryer, turn on all hot water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use open flame during this time.

The machine has a safety catch which prevents children from turning the thermostat/main switch away from the 0 position or increasing the temperature.

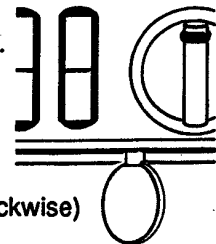
As supplied, the safety catch on the machine is disengaged.

To engage it:

- Press the button beneath the thermostat knob and then release it.

To disengage the safety catch:

- Press the slot in the end of the button with a coin.
- Push and turn the button slightly in the same direction as if screwing in a screw (clockwise)



Accessories

The machine is supplied with:

- Operating instructions and installation instructions.
- Type-approved inlet hose for connection to water supply.
- A liquid soap dispenser is available for thin liquids.

Specifications

Dimensions	32 1/4" x 23 1/2" x 23 1/2"
Weight	187.4 lbs.
Drum volume	43 litres
Spinning speed	1300/900 r/min
Rated load	2000/3200 W
Supply voltage	208/240 V, single-phase
Heater rating	1800/3000 W
Material of drum and barrel	Stainless steel
Material of outer casing	Powder-painted hot-dip-galvanized steel sheet
Mounting	Stationary: four adjustable rubber covered feet
Water supply hose	63" pex pipe
Supply pressure	0.1–1 MPa (10–100 N/cm ² , 1–10 kp/cm ² , 15–142 PSI)
Outlet	59" of polypropene hose, 3/4" internal diameter, max height of drain hose 6'

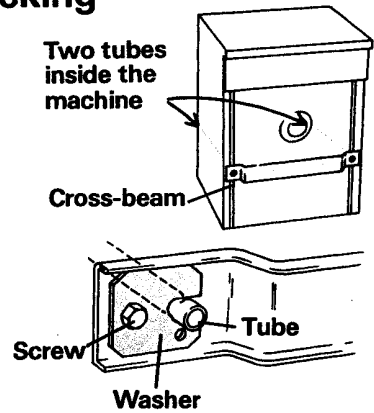
Installation

Removing the transit packing

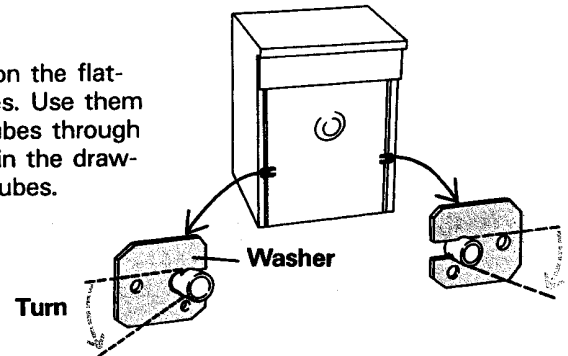
The transit packing consists of two tubes which prevent the tub from moving around inside the machine during transport. The tubes are secured to a cross-beam at the back of the machine.

Remove the transit packing as follows:

- ① Remove the screws and special washers which retain the beam, and remove the beam.

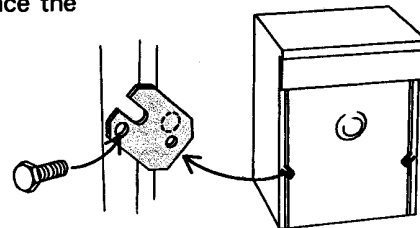


- ② Replace the washers on the flattened part of the tubes. Use them as tools to turn the tubes through about 45°, as shown in the drawing, and pull out the tubes.



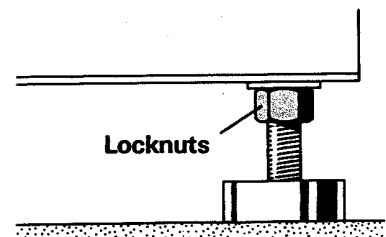
- ③ Turn the washers so that they cover the holes where the tubes were fitted and replace the screws.

Save the tubes and cross beam, which will be needed if the machine has to be transported elsewhere. Fit them in the reverse order to that described above.



Adjusting the feet

It is essential that the machine does not move around when it is spinning. This means that it must be standing firmly and level on the floor. The four feet are individually adjustable. Set them carefully so that the machine is standing level, and tighten the locknuts securely. Failure to do this will cause unnecessary vibration.



Building-in the machine

The machine can be built in beneath a standard 33 1/2"–35 1/2" (850–900 mm) worktop. There must be at least 1/4" (5 mm) gap around the machine, also between the rear edge of the top panel and the wall behind it. This is important: if no space is left, the machine may touch the wall when it starts to spin.

NOTE

Height Adjustment:
32 1/4"–33 1/2"
Do not Raise Higher than 33 1/2"

Electrical connection

Electrical specifications

Single phase, 208/240 Volt, minimum 15 A requirement.

ASKO washers and dryers are provided with a power supply cord and are internally protected with two 15 A fuses.

Single unit installation

Units are supplied with a power cord for the electrical supply. Be certain this supply cord is connected to the **BLACK** terminal block located on the upper back panel inside the unit. Since the units are internally protected, this cord can be connected to a 208/240 V supply with a minimum of 15 A. The plug for connection is not supplied with the unit. It may be direct wired to the electrical supply or a plug obtained locally.

Pair installation

You will need to provide a 30 A, 250 V, AWG 10/3 standard U.S. dryer cord available at most home improvement or electrical supply stores.

An ASKO washer and dryer can be installed together using the standard U.S. 250 V, 30 A dryer supply provided in most homes. Follow these steps for proper installation.

1. Remove the top of the washer by removing the three 25 Torx screws, located on the upper back of the unit. Lift the top rear and slide it back, then lift off.

2. Disconnect the electrical cord supplied with the washer from the terminal block and discard it.

3. Connect the electrical cord from the dryer to the washer by threading it through the power cord restraint on the washer which held the washer cord and connecting the wires to the **TOP** of the **BLACK** terminal block located on the upper back panel inside the unit. Tighten power cord restraint.

Water supply connection

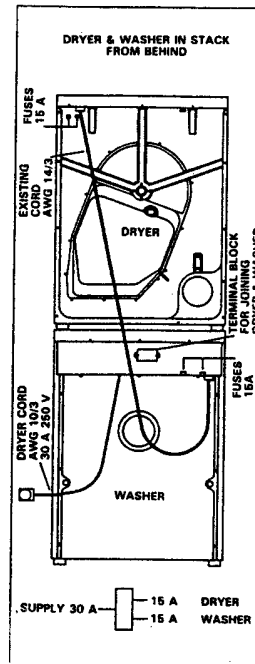
The water supply connections must be made by a person having the necessary competence. Connect the machine to the supply using the hoses supplied with the machine. Water pressure must be in the range 15–146 PSI.

A tap must be fitted in the supply pipe for the hose. If a new supply pipe has been installed for the machine, it should be flushed through thoroughly in order to remove any particles of dirt which might otherwise block the strainer in the water inlet of the machine.

Drain outlet connection

The machine is supplied with the outlet hose ready fitted. The hose should be hung at a height of 15 3/4" - 35 1/2" above the floor: **the lower height is preferable.**

Make sure that the hose is not kinked.



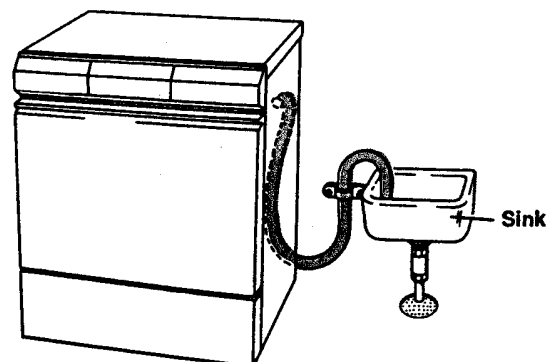
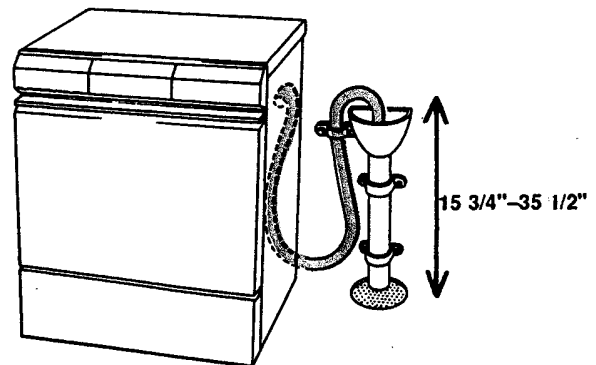
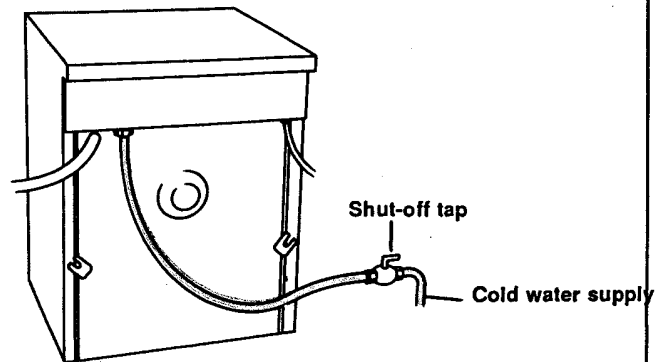
4. Remove the large knock-out directly below the **BLACK** terminal block.

5. Install the power cord restraint provided with the 30 A U.S. dryer cord.

6. Thread 30 A dryer cord through the cord restraint and connect the wires to the bottom of the **BLACK** terminal block. (If there are connectors on the ends of the wires, they must be removed.)

NOTE: The two outside connections are "HOT". The middle connection is neutral. This is also true for the 30 A dryer cord. Tighten the power cord restraint to hold 30 A U.S. dryer cord securely.

7. Replace top of washer and test units.



Problems?

Try the following remedies. Poor results may not always be caused by the machine. Read through the chart below before contacting your servicer.

Problem	Possible Cause	Suggested Remedy
Door will not open	—	See "If the machine doesn't work", page 10.
Machine will not start	—	
Machine will not fill with water	—	
Foam in final rinse, water left in machine	—	
Water leaks	Hoses	All hoses, especially the inlet hose should be inspected at least once a year. Replace if they show signs of cracking. Check to see if hose connections at faucets are tight. Properly insert and secure end of drain to drain facility.
Extreme vibration during spin cycle	Transit packing not removed	Remove transit packing. See page 11.
	Machine not level	Adjust machine feet and tighten locknuts.
Oversudsing	Wrong detergent	Use only low sudsing detergents. See page 5. Run clothes through extra rinse cycles. Run empty machine through complete cycle starting on "4".
	Too much detergent	Use recommended amounts. See page 5.
Washer stops during cycle	Normal pauses	It is normal for the machine to pause occasionally during operation, especially between cycles and during the delicate wash program.
Greying clothes	Not enough detergent	You may need to add slightly more detergent if clothes are heavily soiled, have oily stains, or if your water is very hard.
	Water not hot enough	Select hot enough temperature setting for each type of load. See charts page 6 and 16.
	Improperly prewashed	Be sure to add a prewash for heavily soiled or oily items.
	Washer overloaded	Once wet, the clothes must have room to tumble freely, especially synthetics and permanent press.
	Soap used in hard water areas.	Be sure you use a laundry "detergent" and not a "soap". Soaps react with the minerals in hard water to form a soap curd, which can be deposited on clothes.

Problems? (Continued)

Try the following remedies. Poor results may not always be caused by the machine. Read through the chart below before contacting your servicer.

Problem	Possible Cause	Suggested Remedy
Lint, residue left on clothes	Improper sorting of clothes	Separate clothes that shed lint (chenile and terrycloth) from clothes that attract lint (synthetics, corduroy, velveteen).
	Nonphosphate detergent	Non-phosphate detergents can combine with minerals in hard water and form a precipitate which can appear to be lint. Use a low phosphate detergent, if possible. Install a water softener.
	Fabric softener used improperly	Read labels. Most softeners should only be used in the final rinse. Add softener to the softener compartment. If added to the wash cycle, softeners can have a reaction with detergents producing a white residue.
	Pilling	Pilling, which can look like lint, is produced by normal wear on cotton/polyester blend fabrics. To reduce, wash synthetics and cotton/polyester blends inside out. For the best results, wash cotton/polyester knits using the delicate cycle.
Yellowing of clothes	Not enough detergent, water not hot enough	Caused by body oils not completely removed. Use hottest recommended temperature for each type of load and add slightly more detergent.
	Iron or manganese in water	Install a filter to remove iron or manganese from water. A small amount of Calgon or other non-precipitating water conditioner added once a week is advisable in hard water areas.
Shrinkage	Improper washing or drying	Follow garment care label instructions carefully. Some fabrics will shrink no matter how they are washed. Some may be machine washed but not machine dried.
Knit shrinkage	Overheating	Knits tend to shrink more than woven fabrics. If a knit has been heat shaped, wash in cool or warm water. Dry with the low setting.
	Delayed or gradual shrinkage	Can occur when special stabilizing finishes are reduced from wear or repeated washings. Garment may sometimes be reshaped by pressing after washing and drying.
	Poor construction	Shrinkage can occur if the knit fabric was not stretched properly by the manufacturer. Press back into shape each time garment is washed and dried.
Rips, snags, excess wear	Sharp objects in pockets	Empty all pockets and turn inside out before laundering.
	Hooks, snaps, zippers, buckles	Fasten all hooks, snaps and zippers before laundering to avoid snags. Remove sharp buckles. Turn knits inside out.

Problems? (Continued)

Try the following remedies. Poor results may not always be caused by the machine. Read through the chart below before contacting your servicer.

Problem	Possible Cause	Suggested Remedy
Rips, snags, excess wear (continued)	Harsh chemicals	Before washing, rinse harsh chemicals, such as battery acid, permanent wave solution, hair bleach, dyes and toilet bowl cleaners, from towels and other articles to avoid holes in fabrics. Do not allow these unrinsed items to contact other fabrics.
	Existing rips and tears	Mend all garments before laundering to prevent enlarging of rips.
	Permanent press items	These items fray at edges from the permanent press process and from normal wear, not from the washer. Only wash in half loads . Do not wash in the same load until very heavy items, such as towels or jeans.
Fading and discoloring	Improper sorting	Dark clothes, especially cottons, can bleed excess dyes into wash water. White or light colored clothes can absorb the dye and discolor. Separate light from dark items.
	Crayons or pens in pockets.	Empty all pockets before washing.
	Water too hot	Cool or cold water is best for retaining dark or bright colors.
Stains not removed	Incorrect water temperature	Protein stains, such as milk, egg, blood and soy formula should be removed in cold water. Oily stains should be washed in the hottest water recommended for each fabric type.
	Old stains	The longer a stain remains on a fabric, the harder it is to remove. Treat stains promptly. Do not set stains by machine drying or ironing fabrics until stains are completely removed.



ASKO Product Warranty

Home Clothes Washers and Dryers

For Residential Installations

Length of warranty	ASKO will pay for:
ONE YEAR FULL WARRANTY From date of purchase	ASKO replacement parts and/or repair labor to correct defect in materials or workmanship. Service must be provided by an authorized ASKO service outlet.
FIVE YEAR LIMITED WARRANTY One year full plus second through fifth year limited from date of purchase.	ASKO replacement parts (repair labor costs not included) for any defective solid state controls, timers, motors, pumps.
TWENTY-FIVE YEAR LIMITED WARRANTY One year full plus second through twenty-five year limited from date of purchase.	ASKO replacement parts (repair labor costs not included) for the stainless steel inner and outer drum/tub if it fails to hold water due to a manufacturing defect such as cracking or rusting.

For Non-Residential Installations

SIX MONTHS FULL WARRANTY FROM DATE OF PURCHASE	ASKO replacement parts and/or labor to correct defect in materials or workmanship. Service to be provided by an authorized ASKO service outlet.
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ASKO will not pay for:

- A. Service calls to:
 1. Correct the installation of the washer or dryer
 2. Instruct how to use the washer or dryer
 3. Replace house fuses or correct housing wiring
 4. Correct house plumbing
 5. Cleaning or servicing of the button trap, outlet pump of the washer
 6. Cleaning or servicing of the lint filter or condensing unit of the dryer
- B. Repair and/or parts for failure of product if washer or dryer is used in other than normal use.
- C. Damage resulting from accident, fire, floods, acts of God, alteration, misuse abuse, improper installation or installation not in accordance with local electrical or plumbing codes.
- D. Any labor or shipping costs for parts during the limited warranty.
- E. Replacement parts or repair labor costs for units operated outside the Continental United States.
- F. Pick-up and delivery. ASKO products are designed to be repaired in the home.

IN NO EVENT SHALL ASKO INC. BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

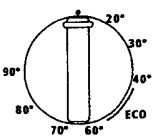
Some states will not allow the exclusion or limitation of incidental or consequential damages, so this exclusion or limitation may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.


For warranty service, contact the dealer from whom you purchased the unit or an authorized ASKO service outlet. Service will be provided during normal business hours. Should you have a service problem that is not resolved locally write:


ASKO USA INC.
P.O. Box 851805
Richardson, TX 75085-1805

Summary of washing instructions

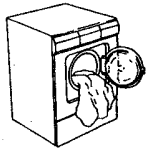
1 Turn the temperature knob to the required temperature. Then the electrical supply is on.



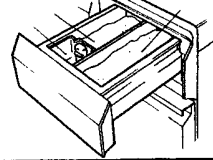
2 Open the door by pressing 



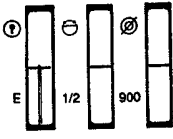
3 Load the washing and close the door firmly.



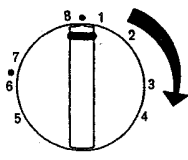
4 Pour detergent and fabric conditioner into the detergent compartment.



5 Select any program options.





6 Turn the program knob to the required program, and the machine will start.



7 If you change your mind . . .
 . . . and want another program, turn the program knob to the required position.
 . . . and want to interrupt, turn the program knob to 8. The machine pumps out the water. After 1 min the door can be opened, see point 2 above.
 When restarting the machine, check there is still detergent in the detergent compartment.









8 When the machine has stopped:

- * Open the door by pressing 
- * When a program finishes by pumping out the water, the door can be opened directly.
- * When a program finishes with water still in the machine, turn to 6 and the machine pumps out the water. Open the door as described in point 2 above.

9 After using the machine:
 Turn the thermostat knob to 0. 
 Leave the door ajar.

Choosing the right program

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

Fabric care label	Type of fabric	Fill	Program	Option button	Temperature
	White cottons with pre-wash	●	1		95°
	White cottons without presoak	●	2		95°
	White cottons + Economy	●	2	E	60°
	Colorfast	●	3		60°
	Colorfast + Economy	●	3	E	40°
	Delicates	◐	3	1/2	40°
	Acrylics, white	◐	2	1/2 	60°
	Acrylics, colors	◐	2	1/2 	40°
	Quick wash	◐	4	1/2	40°
	Wool	◐	4		40°
	1 rinse + spinning		5		