

Toucan Eco Active
Plus Auto

Operation Manual

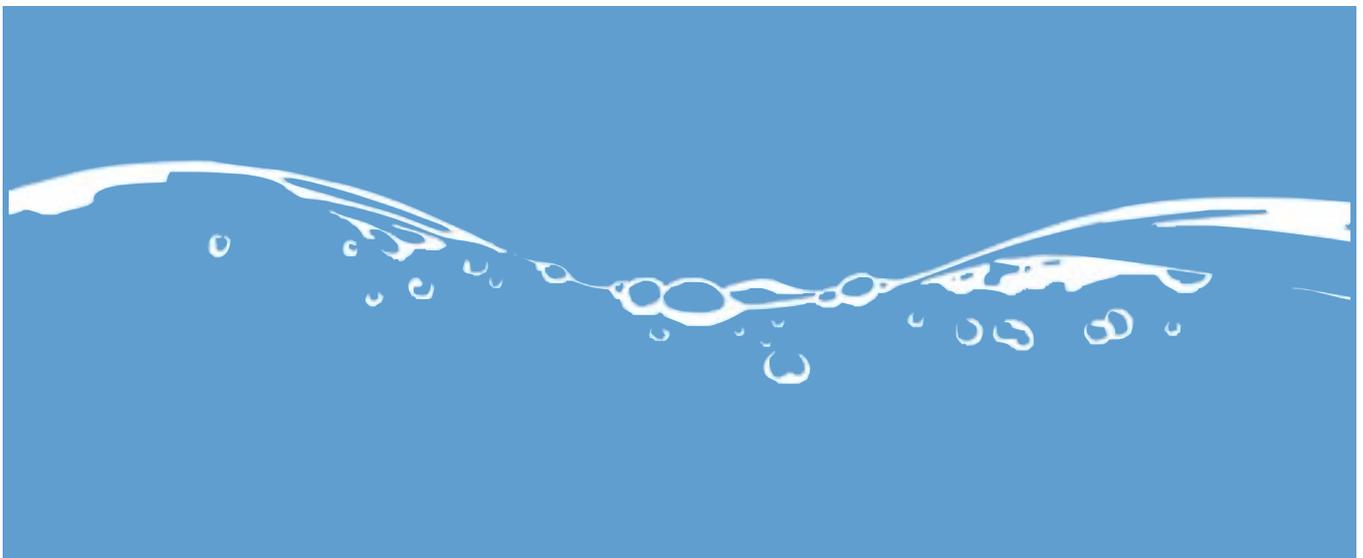


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Centrego Toucan Eco Active Plus Auto



1.0 General

1.1 Installation

The installation and commissioning of the Toucan Eco Active Plus Auto system should only be carried out by qualified Centrego technicians or fully trained partners.

Any questions relating to the installation and commissioning of these systems should be directed to Centrego Ltd.

1.2 Introduction and intended use

Congratulations on the purchase of your Centrego device. Before using this unit for the first time, please read the Instruction Manual carefully and keep all information for future reference. These instructions will show you how to use the device safely.

This device produces mixed oxidant disinfection and cleaning solution on-site from salt and water. The solution from the device can replace most synthetic chemical disinfection and cleaning products that may already be used at your business.

1.3 Design and compliance

SYSTEM CERTIFICATION
European Chemicals Agency (ECHA) listed
UK Health & Safety Executive (HSE) listed
US Environmental Protection Agency Approved
CE & FCC

1.4 Symbols and meanings

Below are explanations of symbols and meanings used in this manual.

DANGER - is reserved for conditions and actions that are likely to cause serious or fatal injury

CAUTION - is reserved for conditions and actions that can cause injury or instrument damage

	CAUTION - Potentially Hazardous Situation
	DANGER - Electric shock risk



2.0 SAFETY INSTRUCTIONS

2.1 Solution Safety Instructions

The following safety information is guidance for the use of the ECA solution that is produced by the Active Plus Auto.

- Use only for surface and fabric cleaning, disinfection and deodorisation
- Do not spray into your eyes or onto skin
- Do not swallow
- People with sensitive or damaged skin should avoid contact with the solution
- Keep solution out of the reach of children and pets
- Do not keep the solution produced by this machine in areas of food and drink preparation where it can be confused with drinking water
- Do not freeze the device or the solution produced by the device
- Dispose of ECA solution to drain around one week after production if not used

2.2 Device Safety Instructions

The following safety instructions are for the devices themselves and not the ECA solution produced by them.

- Read this Manual fully before installation and use
- Avoid direct sunlight to the device
- Always handle power cable with dry hands
- Always make sure that the outer surfaces of the machine are clean, dry and free of salt buildup at all times
- Do not use device if under the influence of inhibiting substances

2.3 Water input safety instructions

- Only use water input from the mains water and not from a tank
- Use water input that has a temperature between 5 °C and 40 °C
- Low-calcium, soft water is recommended
- Do not use groundwater, polluted water or excessively hard water
- If used in a hard water area use a water softener
- Use water with a pH range of pH 6.5 - pH 8

2.4 Salt input safety instructions

- Do not use salt tablets of any kind
- Do not use salt sachets of any kind
- Only use table salt or granulated salt
- Only use new/clean salt
- Only use white salt
- Only use food-grade salt
- Do not use salt that has become dirty or contaminated

4.0 Machine data

Capacity	5 litres
Concentration	450-500ppm FAC
pH	pH 8 – pH 8.5
Time per batch	40 minutes
Max capacity (Point of use)	17l at 125ppm - 30l at 60ppm
Salt consumption	6 grams per batch
Power Supply	90 to 264vac / 1300 Watts
Water supply	Cold water mains supply
Additives	Salt (NaCl) and water (H2O)
Dimensions	H640mm, W470mm, D320mm
Weight (full)	Approx 25KG
Controls and Alarms	Touch screen
Automation	Auto filling, brine dosing and activation
Dispensing	Spray bottle and bucket dispensing

KEY FEATURES AND BENEFITS

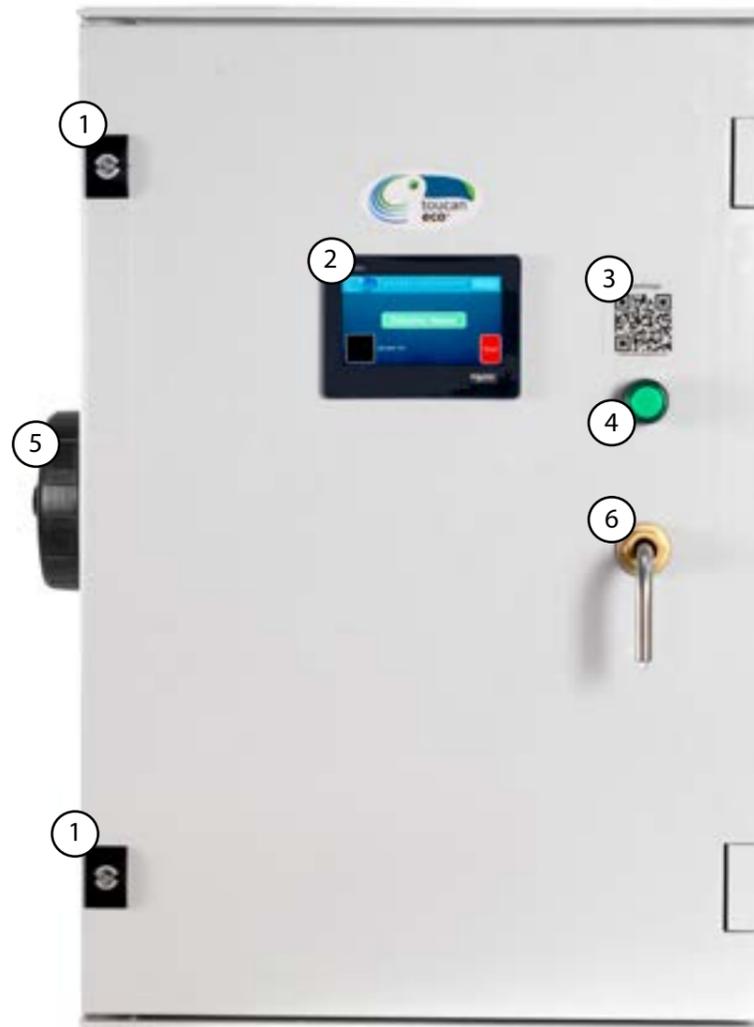
Fast acting with up to 99.999% kill rate
A powerful disinfectant and effective cleaner
Environmentally responsible
Cost saving, only a small amount of salt combined with water needed
Non-toxic, non-hazardous, hypoallergenic
On-site production of disinfection and cleaning solution

SOLUTION CERTIFICATION	
EN14476	EN13727
EN16777	EN13624
EN13697	EN1656 (Cefas Aquaculture approved)
EN1650	EN1500
EN14348	EN17126
EN14675 (Cefas Aquaculture approved)	EN1276
	EN 16615

5.0 Device Schematic

5.1 Front of device

- 1 - Door locks
- 2 - Touch control screen
- 3 - QR code to link to website for manuals and other information
- 4 - Solution output from tap on/off button
- 5 - Screw lid for brine tank
- 6 - Solution output nozzle



5.2 Left side of device

- 1 - Air vent
- 2 - Screw lid for brine tank
- 3 - Solution output nozzle



5.3 Back of device

- 1 - Holes for wall mounting kit
- 2 - Screw lid for brine tank



5.4 Right side of device

- 1 - Air vent
- 2 - Mains power input
- 3 - Solution output nozzle
- 4 - Sticker indicating to read manual with QR code to website
- 5 - Ratings plate
- 6 - Water input



6.0 Handling

6.1 Handling the product

When installing or relocating the device:

Do not install or relocate this device unless fully trained by the manufacturer. If this is done without full training the machine may be damaged and injury may occur, and it may invalidate the warranty.

ALWAYS - make sure that the device is clean at all times to reduce possible salt build up on all surfaces on and near the device.

DANGER - Do not get the power cable wet in any way before during or after use.

DANGER - Do not handle any electrical contact or power adapter with wet hands.

DANGER - Do not use abrasive chemical to clean the machine.

When handling the device:

Follow all Health and Safety training that you have had from your employer and or the manufacturer.

Do not touch or use the device without full training from Centrego trained personel.

When using the device:

Ensure that your hands are free from moisture before touching the power cable, and mains plug. Handling electrical components with wet or moist hands can cause electrical shock.

6.2 Transportation

This device is designed to be installed by a professional onto a wall or frame and left permanently in-situ. In the unlikely event that the device will need to be moved it is reccommended that a member of staff who has been trained by the manufacturer does this. In most cases the manufacturer will carry this out as part of a contract.

If the device is relocated, make sure that all parts of the device are dry before packaging into an appropriate box.

	<p>CAUTION - Ensure a technician that has trained by the manufacturer undertakes any relocating of any part of the system.</p> <p>Do not attempt to install or uninstall if you are not qualified.</p>
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	<p>DANGER - Electric shock risk.</p>
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	<p>CAUTION - When operating this device, follow all appropriate Health and Safety training and instructions.</p>
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7.0 Touch screen

7.1 Operation screen

- 1 - Bucket fill operation button
- 2 - Status indicator
- 3 - Menu access button
- 4 - System start and stop button



7.2 Menu screen

- 1 - Home button
- 2 - Configuration button (only for use by technicians and therefore locked)
- 3 - Statistics menu button



8.0 Touch screen introduction

8.1 Menu walkthrough

Once the machine has been turned on this status screen will show.

This is the screen that needs to be used for monitoring the status of the device and daily use.



To access the 'menu' screen press the menu button.



The menu screen will show



8.2 Statistics

Press the 'stats' button to view the device statistics



This statistics menu will show the following:

- Activations: Cumulative activation
- Litres Activated: Cumulative litres produced
- Activation time: Duration of batch activation, set by manufacturer
- Brine adding time: set by manufacturer

These values may be lost if the machine is reset or turned off.



To go back to the 'menu' screen press the menu button.



8.3 Access home menu from menu view

From 'Menu' view.



Press the 'Home' button.



The main menu will show.

Use this menu view for daily operation such as:

- Current device status
- Using bucket filler function
- Turning system on and off



9.0 Daily use

9.1 Filling a spray bottle from the device

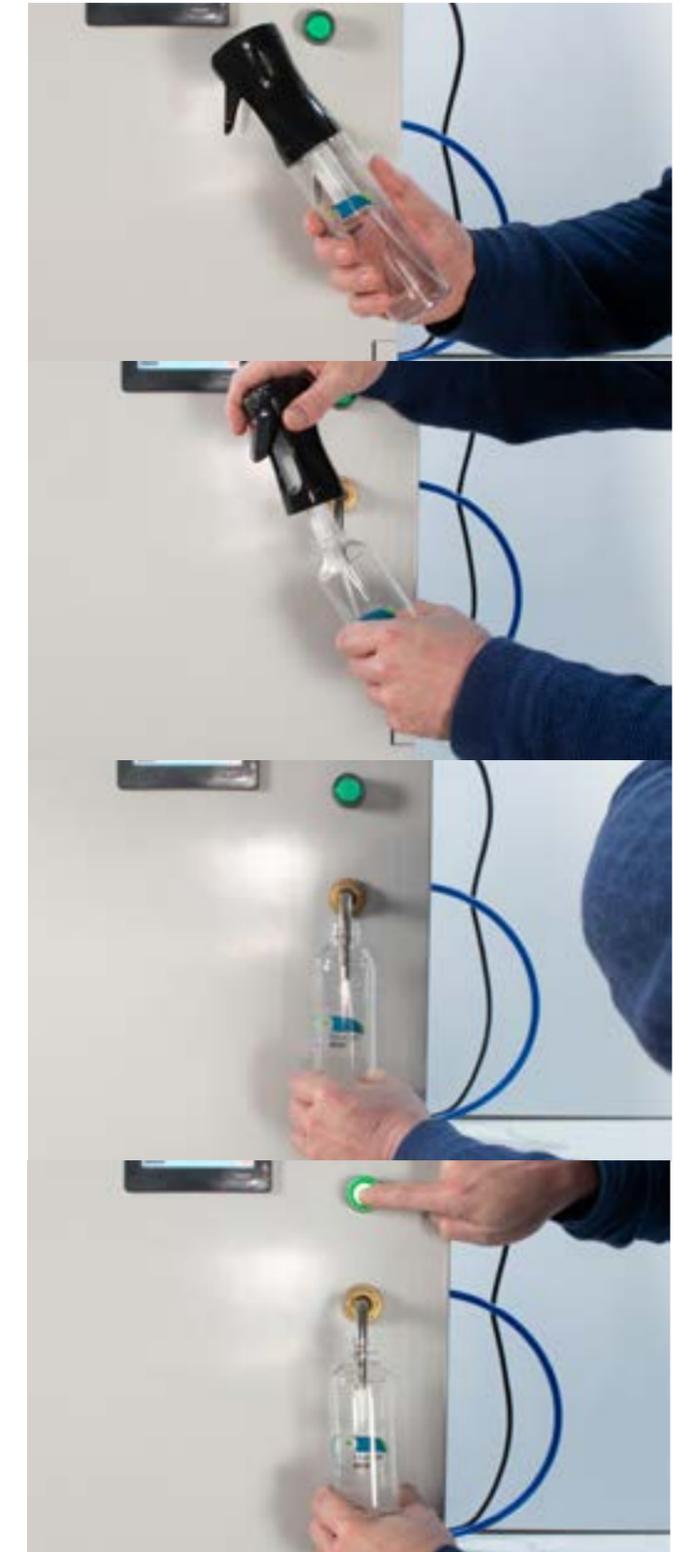
Any spray bottle with a removable lid can be used. This example shows a hand held Centrego Flarasol spray bottle.

Unscrew the lid

Place solution output nozzle into the spray bottle opening.

Whilst holding the bottle in place, press the green dispensing button using a finger on the other hand.

The green button will light up when it is pressed. This indicates that the solution is coming out of the nozzle.



The button will glow green when pressed as seen here.



Now the bottle can be removed from the nozzle.



Once the bottle has filled to the top. Release the button.



The spray bottle top can be replaced onto the bottle.



The button will stop glowing green and the solution will stop coming out of the nozzle.

Be carefull not to let the solution over-fill.



The spray bottle is ready to use.



If the solution in the bottle is not used in one week, throw the solution away.

Repeat the filling process to use new solution.

9.2 Filling a bucket from the device

Hold the bucket under the nozzle as shown.

Prepare for the bucket to become heavy as the solution decants into the container.

Do not attempt to hang the bucket on the nozzle.



Whilst holding the bucket use a finger on the other hand to start the solution flow from the nozzle.



To start solution output from the nozzle press 'Bucket fill' button as shown.



Once the button has been pressed it will show a blue square with a white tick, indicating that the system is dispensing.

The solution will now start to flow out of the output tap.



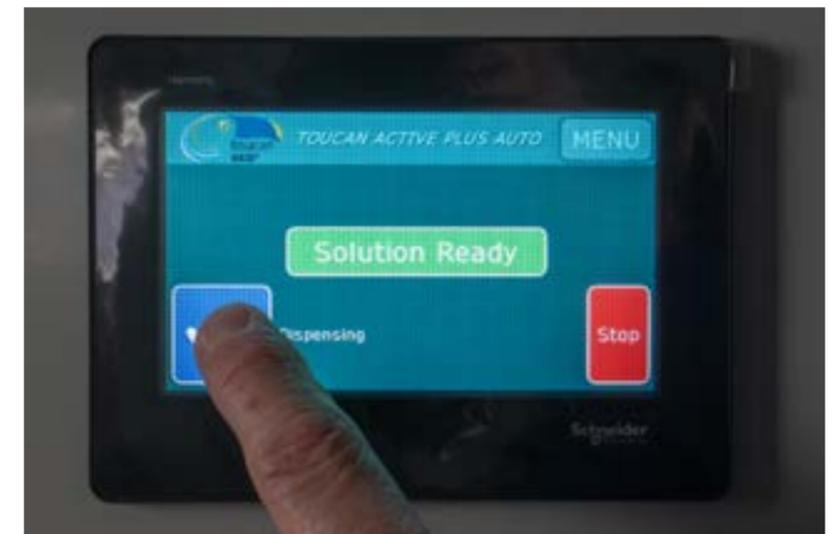
Hold the bucket firmly as the solution fills and the bucket becomes more heavy over time.

Do not attempt to hang the bucket on the nozzle.



Once the bucket has filled to the desired level with ECA solution turn the solution flow off by pressing the button as shown.

The flow coming out of the nozzle will stop and the button will revert back to a black square.



The screen will look like this once the solution has stopped.



The bucket is now full of ECA solution that can be used as disinfection and cleaning solution for all surfaces.



10.0 Brine tank

10.1 Preparing to add salt to brine tank

Before adding salt to the brine tank: Ensure that you have granulated salt or table salt and a small container to add the salt to the machine.



Take the small dry container and fill with salt.



Ensure that you do not spill salt whilst filling the small container.



Locate the black lid on the left hand side of the device.



Unscrew the black lid from the device as shown.



Ensure that the black lid is kept in view and is not lost during this process.

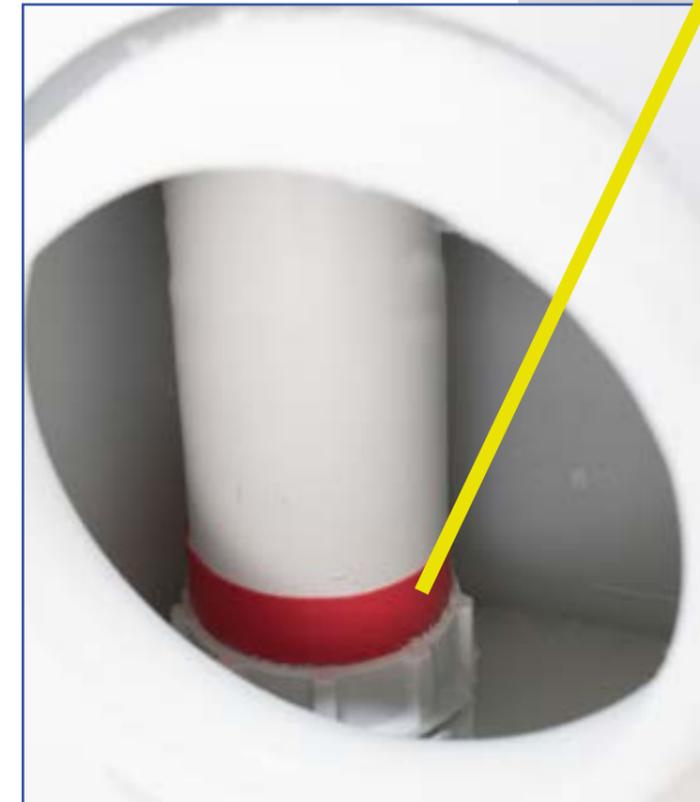


10.2 Max fill line in brine tank

Before adding salt into the brine tank, look inside the brine tank and find the thick red line as shown.

This is the maximum fill line for the salt. Do not fill higher than this line with salt.

If the brine tank is overfilled with salt, brine will spill out of the device.



DANGER - Electric shock risk -Ensure that hands are fully dry before touching anything electrical.

10.3 Fill brine tank with salt

Fill the brine tank with salt carefully so that salt does not spill.



Fill brine tank until the salt reaches the thick red line inside the tank as shown.



11.0 Screen Alerts

Salt reset warning

The two screens shown on this page alert the user to fill the brine tank with salt.

The screen will flash alternatively blue and red. Indicating the brine tank needs to be filled with salt, as indicated 'Add Salt'.

Fill the brine tank with salt as shown on pages: 25,26,27 & 28.

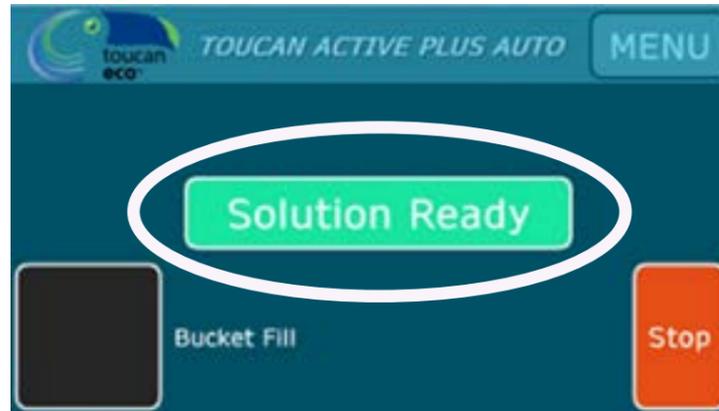
Once this process has been carried out, press the blue button 'Salt Reset'. This will stop the screen flashing. The screen will revert to normal use.



Solution Ready

The solution is ready for dispensing you can fill spray bottles or buckets with ECA solution.

This is circled with a white circle.



Adding Water

This means that the internal activation tank is automatically filling up with water. You do not need to do anything to resolve this message.

You will not be able to dispense any solution whilst the system is adding water.

This is circled with a white circle.



Activating Time Left

This message indicates how long it will be until the solution is ready to use.

You will not be able to dispense any solution whilst the system is activating.

This is circled with a white circle.



Brine Refilling

This warning on the screen indicates that the brine tank is automatically filling with water. This yellow 'Brine Refilling' message will show Independently of any other message.

You do not have to take any action. The background colour of the screen can either be blue or red.

This is circled with a black circle.



'Stop' button

To stop the system at any point, press the 'Stop' button as circled here.

The screen will then show a green 'Start' button. Press this button to restart the machine.

This is circled with a black circle.



12.0 Troubleshooting

REPORTED ISSUE	TRIAGE POINTS
<ul style="list-style-type: none"> · No power. · The device is not turning on. · The screen is not coming on as well as no sound from the inside of the device. · The device is not working. 	<ul style="list-style-type: none"> · Check that the power plug is working by checking other devices in the wall socket. · Check the property power and fuse box. · Try a different plug if possible. · Check that the power cable is fully pushed into the wall power socket and clipped in.
<ul style="list-style-type: none"> · A smell of chlorine 	<p>This is normal. ECA solution smells like weak chlorine but is very strong in terms of killing bacteria and cleaning surfaces.</p>
<ul style="list-style-type: none"> · The touch screen does not respond to touch commands 	<p>Contact the manufacturer as there may be an issue with the touch screen.</p>
<ul style="list-style-type: none"> · The machine is leaking liquid from the bottom of the casing 	<p>Speak to facilities management immediately/ Do not touch the device or go near it.</p>
<ul style="list-style-type: none"> · When i clean the surface it leaves a white residue 	<p>This means that you are not cleaning the surface properly after cleaning with the solution. Ensure that the surface is dry after cleaning with it.</p>
<ul style="list-style-type: none"> · Solution varies in strength 	<p>This may be because you are using salt tablets. Do not use salt tablets. Only use granular salt or table salt.</p>
<ul style="list-style-type: none"> · Machine is flashing red on the screen 	<p>Read the message on the screen, this will tell you what to do next to resolve the issue</p>



SCAN FOR WEBSITE



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