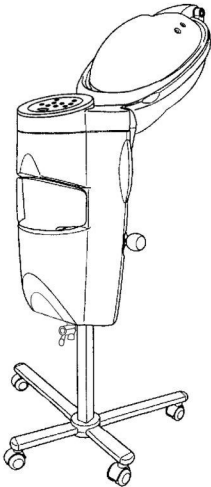


Product No.:

HD-3928

O₃ Ultrasonic Steamer Operating Manual



Thank you for purchasing our O₃ Micro Mist ultrasonic steamer. Please read this manual before using the ultrasonic steamer.

Keep this manual in a place where it can be easily referred to when necessary.

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Safety Cautions and Warnings

Signs and Symbols

▲ Before Using This Product

Carefully read through and familiarize yourself with the "Safety Cautions and Warnings".

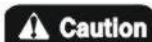
The precautions indicated here are designed to prevent harm and injury to you and your customers and to facilitate the safe use of the product.

All are important in maintaining safety and should be strictly followed.



Warning

Indicates a precautionary item which, if not strictly followed, will result in death or serious injury.



Caution

Indicates a precautionary item which, if not strictly followed, will result in injury or physical damage.

Please strictly observe these precautions.

⚠ Warning



This unit must be earthed.

This is to prevent electric shock in the case of malfunctions or short circuits.



Do not disassemble or attempt to repair.

Disassembly, repair or modifications should only be done by a qualified repair technician. Attempts at disassembly, repair or modifications may lead to abnormal operation and accidents.



Do not climb on the stand or main unit.
Do not lean or climb on the stand or main unit. Doing so may cause it to tip over and cause injury or damage.



Follow the rules for handling the power plug.

Do not connect another electrical appliance to the same outlet.



Do not touch operating parts.

Keep your hands and fingers clear of the operating sections of the hood and support. Touching them may cause injury.

Push the power plug all the way in to secure it. Do not attempt to move the main unit by pulling on the power cord. This may lead to the unit tipping over and may cause damage to the cord.



Do not put your hands or foreign objects in the Water Container Holder.

The internal section gets hot during operation and may cause burns if touched if a foreign body falls into the internal section, turn off the power, and contact our service center or sales office.

Do not twist the power cord or place heavy objects on it. Twisting the cord or putting heavy objects on it may result in electric shock or start a fire.

Do not handle the power cord with wet hands. This may lead to electric shock.



Keep hands and feet away from the discharge outlet during discharge.

There are cases when boiling water will spray out, which could result in burns.



Unplug the steamer when it will not be used for a long time.

Remove the power plug at the end of the workday or when performing maintenance.

Fires started by electrical shorts may be caused by the degradation of insulation.



Keep the main unit dry.

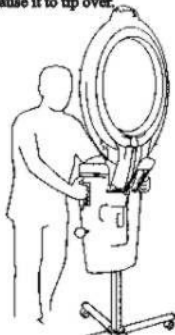
Do not wipe the main unit section with wet cloths, etc. or allow water to come into contact with it. Doing so may lead to electric shock or malfunctions.

⚠ Caution



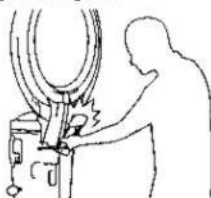
Use the handle to move the unit.

Do not try to move the unit using the stand or the hood. This may cause it to tip over.



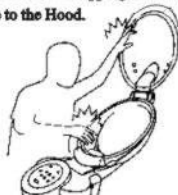
Do not move the main unit using the Nape Bar.

This may lead to the unit tipping over and may cause damage to the Nape Bar.



Do not apply force to the Hood.

This may lead to the unit tipping over and may cause damage to the Hood.



Put the hood up when moving the main unit.

Failure to do so may lead to it hitting customers or equipment.



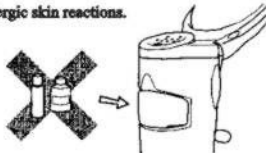
Do not shake the unit while it is in operation.

This may cause water leakage or overflow.



Do not put anything other than purified water made for the steamer purified water into the Water Container.

Do not put things such as permanent liquid, cosmetic liquids, perfumes or mineral water into the supply tank. Doing so may lead to malfunctions or cause allergic skin reactions.



Do not use tap water.



Do not put boiling water in the Water Container.

This will cause the internal section to heat up and may lead to malfunctions.



Do not touch the Water Container Cap immediately after operation ceases.

The Water Container Cap will still be hot right after operation and touching it may lead to being burned.



Promptly wipe off any chemical spills.

When treatment, permanent, or coloring chemicals come into contact with the unit, use a damp cloth to wipe them off as soon as possible. Failure to do so may cause surface staining or discoloration.



Do not use with chemicals for cold temperature permanent waves.

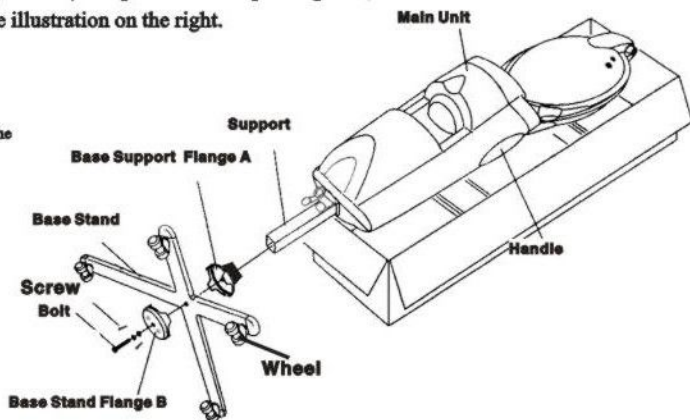
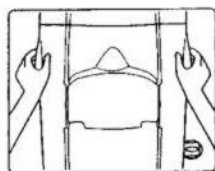
Do not use with cold permanent wave chemicals. Their use may lead to allergic skin reactions.

Assembly Instructions

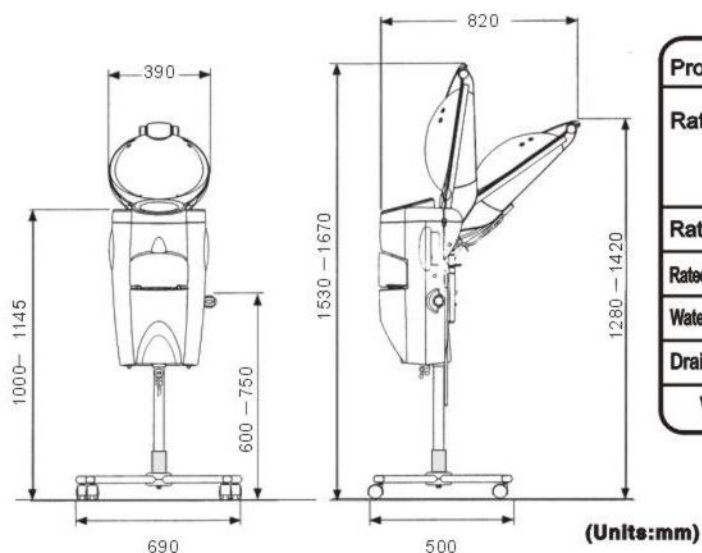
▲Attaching the Base Stand

Remove the main unit body(HD-828) and place it on the packing case, positioning it as shown in the illustration on the right.

Use the two handles (depressions) on the side to pick up the main unit.

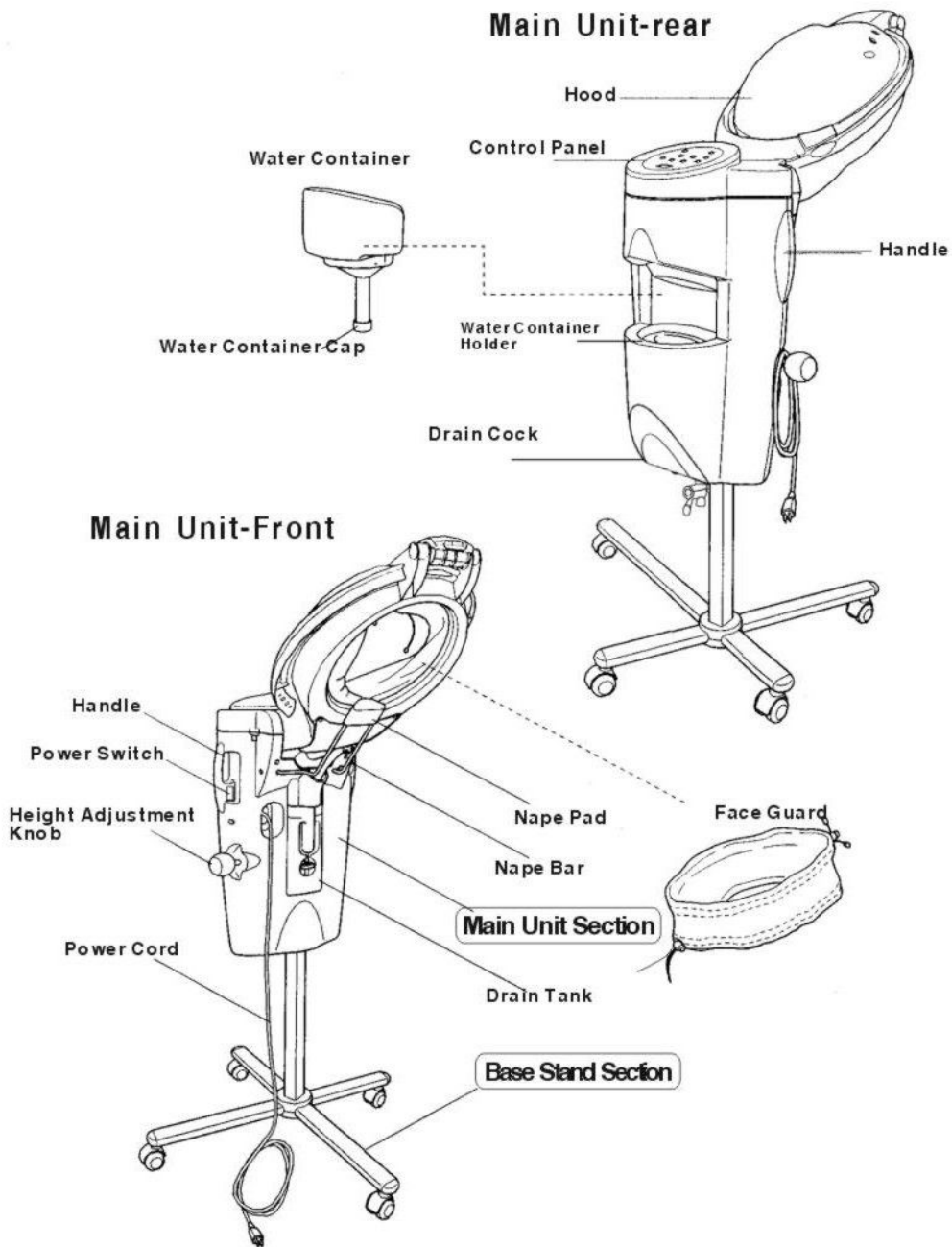


Specifications



Product No.	HD-828
Rated Voltage	110V/120V 220V/230V/240V
Rated Frequency	50/60HZ
Rated Power Consumption	950W
Water Container Capacity	~2000ml
Drain Tank Capacity	~350ml
Weight	19.0kg

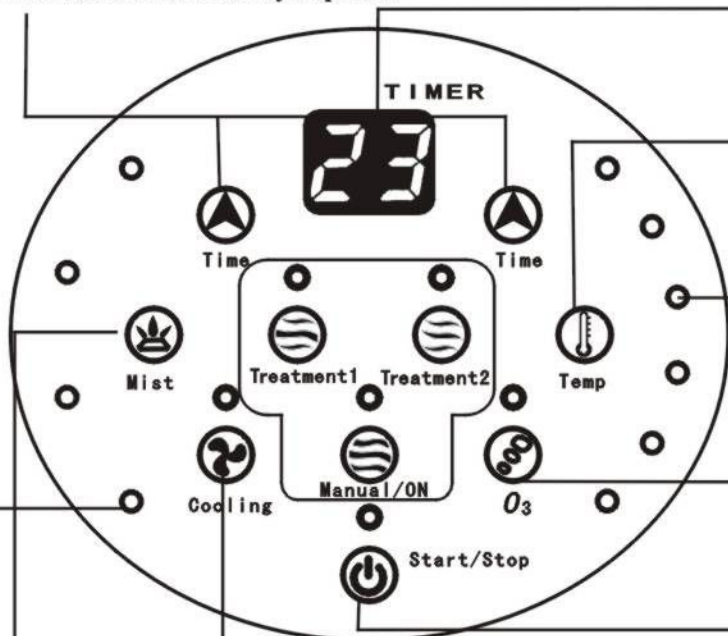
Component Parts



Control Panel

▲ Time Setting Key

- Use this to change the time that has been set.
- Pressing on LEFT switch will change the time in 10-minutes increments each time they are pressed.
- Pressing on RIGHT switch will change the time in 1-minute increments each time they are pressed.



Display Panel

- 23** Shows the operation time set or the remaining operation time.
- PH** Warm-up in progress. (Preheating)
- C0 C1 C2** Cooling in progress.
- H0** No water in the Water Container.
- OF** Too much water. (Overflow)

Temperature Lever Key

- Use this to change the temperature of the mist.
- Pressing (TEMP) switch will change the level each time they are pressed.
- (The heater is OFF at Level 0)
- (The level will revert to Level 0 after Level 5 has been reached)

Temperature Lever Lamp

- Shows the temperature at 6 levels.

Level	0	1	2	3	4	5
Normal Hood Internal Temperature(°C)		~45°C	~47°C	~49°C	~51°C	~53°C

- There may be slight variations in the Standard Hood Internal Temperature depending on usage.
- The Standard Hood Internal Temperature is the temperature at approximately 5 minutes after the start of operation.
- In operation over long periods of time ,the actual temperature may be slightly higher than that displayed.

• O₃ Key

- Select whether or not to use O₃ function in hair treatment.
- O₃ is ON when the lamp is lit.

Treatment1/Treatment2/Manual Key

- Each key has the operating mode set by Mist Level, Temperature Level and Time registered.
- Press on the key to turn on the lamp and select the operating mode.
- (One of these has to be selected at starting time)
- After selecting each mode, adjust the Mist ,Temperature and Time to desired levels.

Mode	Mist Level	Temperature Level	Time	Cooling Time
Treatment1	4	4	8 minutes	3 minutes
Treatment2	3	3	10minutes	3 minutes
Manual	2	2	12minutes	3 minutes

Mist Level Key

- Use this to change the amount of mist.
- Pressing on it will increase the level by one each for time it is pressed.
- (The level will revert to Level 1 after Level 4 has been reached)

Mist Level Lamp

Level *	1	2	3	4
Mist Amount	Light			Heavy

- In operation at a low Mist Level setting (1,2) no mist may be visible to the naked eye for a short period after operation begins (about a minute); however, a misty breeze is actually being emitted. This is not a malfunction.

Start/stop Key

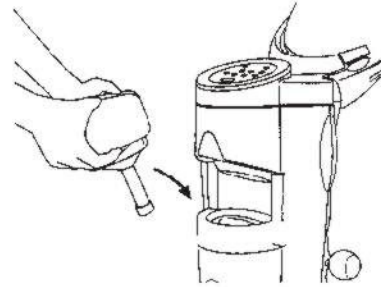
- Use this to start the operation of each mode.
- Use this to stop operation.

Cooling Key

- Select whether or not to use cooling after the Mist operation stops.
- (Cooling is ON when the lamp is lit)

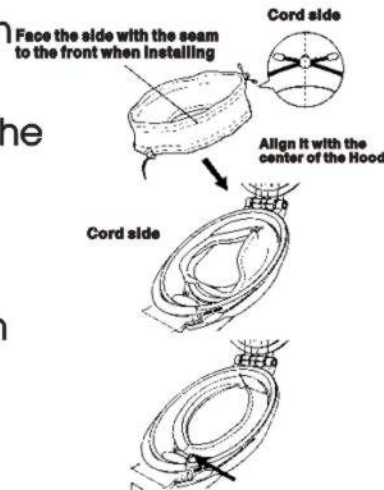
Preparation for Use

1. Remove the Water Container Cap and add the water.
 2. Replace and tighten the Water Container Cap.
 3. Check to make sure the Drain Cock is closed.
 4. Insert the Water Container into the Water Container Holder.
- * Hold the Water Container with both hands and gently insert it.



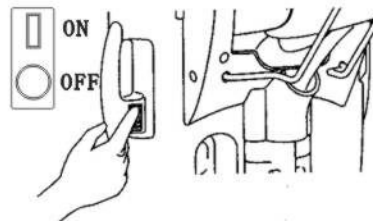
Fastening the Face Guard to the Hood

1. Loosen the strap at the bottom of the Face Guard.
2. Attaching the Face Guard to the inside frame of the Hood.
This installation can be eased by using the 2 tabs in the upper section of the frame and covering from top to bottom.
3. Tighten the strap in the bottom section of the Face Guard.
Adjust the upper section strap position so that it comes to the front edge of the Hood.
Open up the strap in the upper section sufficiently to accommodate the customer's head.



Turn on the power

1. Insert the power plug in the electrical outlet.
2. Turn on the Power Switch.



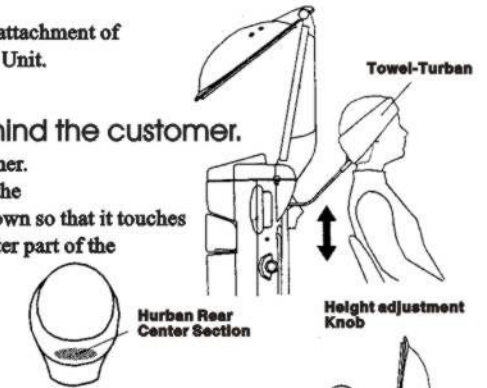
Usage

Setting the Main Unit

* Finish preparing the customer (up to the attachment of the towel-turban) before setting the Main Unit.

1 Setting the Main Unit behind the customer.

- Move the Main Unit to behind the customer.
- Loosen the Height Adjustment Knob on the Main Unit to move the Nape Bar up or down so that it touches the nape of the customer's neck (the center part of the back of the turban).

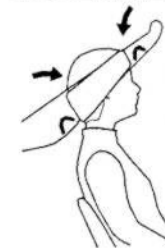


2 Open the upper cover and lower the Hood while checking the customer's position.

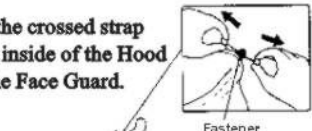
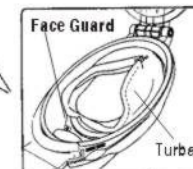


Fitting the Face Guard

1. Adjust the Face Guard from the inside of the Hood so that it comes to a position above the turban.
2. Tighten the crossed strap from the inside of the Hood and fit the Face Guard.

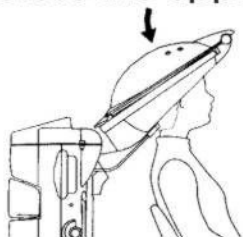


Adjust it so that insertion is done from the nape of the neck side to prevent the Face Guard from covering the customer's face.



* Tighten the Face Guard so that it will rest on the top of the Towel-Turban (above the dotted line).

Close the Upper Cover



Check to make sure that there is no space between the Face Guard and the customer's head and then slowly close the top cover.

Face guard Turban



Set this so that the space from the Face Guard to the Turban appears uniform.



Press firmly until both right and left sides close with a click.

Setting the Operating Mode

Check to see that the Power has been turned on.

1. Select the mode to be used from among treatment 1/treatment 2/manual.

* Operation cannot be started until a mode has been selected.

Mode	Mist Level	Temperature Level	Time	Cooling Time
Treatment1	4	4	8 minutes	3 minutes
Treatment2	3	3	10minutes	3 minutes
Manual	2	2	12minutes	3 minutes

2. Change the setting conditions using the Mist, Temperature and Time keys.

* In the case where the basic settings are to be used when starting changes are not necessary.

3. Press the Start/Stop Key.

Operation will begin with the conditions that were set.

PH and **23** (the time set) will go on in turn on the Display Panel.

• It may take a while for the mist to be generated when the water inside the machine is cold.

Caution

▲ Do not change the Temperature setting during warm-up (while the **PH** lamp is blinking on and off).

Allow time for heating after adding purified water.

Operations during Mist Generation

During operation the selected mode lamp and the time display colon will flash alternately and the remaining operating time will be displayed on the Display Panel.

Changing conditions during operation

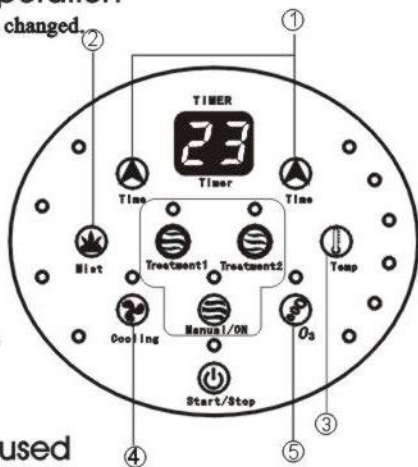
Press the key that corresponds to the setting to be changed.

- ① Operating Time
- ② Mist Level
- ③ Temperature Level
- ④ Cooling Enabled/Disabled
- ⑤ O₃ Enabled/Disabled

* Setting the Operating Time to 0 will end the mist operation.

Interrupting operations

Press the Start/Stop key. The Star/Stop lamps will flash on and off while the machine is paused.



Changing conditions while paused

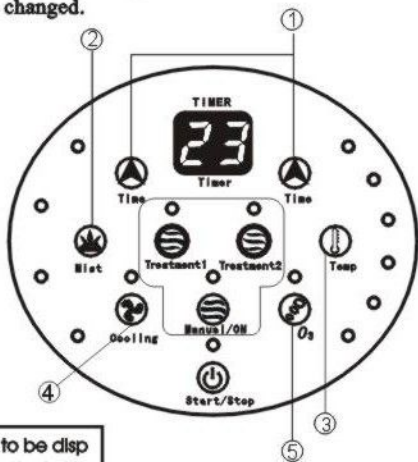
Press the key that corresponds to the setting to be changed.

- ① Operating Time
- ② Mist Level
- ③ Temperature Level
- ④ Cooling Enabled/Disabled
- ⑤ O₃ Enabled/Disabled
- ⑥ Change Operating Mode

When the Operating Mode is changed, operations will start in the new mode from the beginning.

Resuming operations

Press the Start/Stop key.



Caution

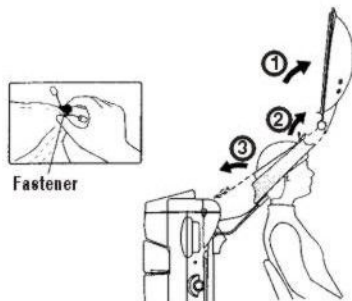
If the buzzer keeps beeping, no twinkling code to be displayed and no mist comes out, it indicates the water in the Water Container has run out. Turn off the power and fill purified water again. Turn on power in three minutes. If no beep, the machine can be used again. If this occurs frequently, please contact the service center or sales office to check whether the float switch or the temperature sensor is out of work.

After the Mist Operation is complete

An electronic alarm (2 beeps) will sound to announce that time is up when the time set for the Mist Operation has elapsed (the time display will be at 0) and the cleaning time period (3 minutes) will begin. The display panel display **[0]** **[0]** **[2]** by flashing it on and off. When the cleaning time period ends, the electronic alarm will sound (5 beeps). This time display will be at 0 by flashing it on and off.

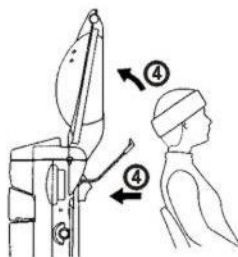
Removing the Face Guard

- 1 Open the Upper Cover.
- 2 Press on the fastener button and loosen the crossed strap.
- 3 Loosen the Face Guard and move it away from the customer's head.
- 4 Close the Upper Cover, then lift up the Hood and move the Main Unit.



Caution

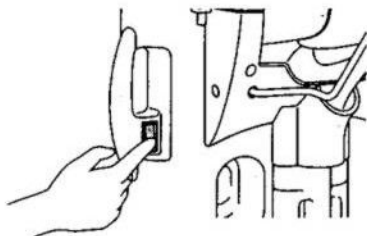
- Check to make sure the Face Guard has been removed before raising the Hood.



When using the machine consecutively with multiple customers, check the water level in the Water Container and the Drain Tank before using it.

Turning off the power

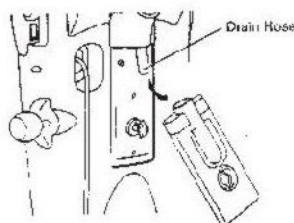
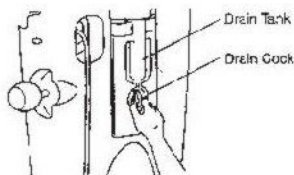
- Turn off the Power Switch after completing operations.
- * Turning off the power will invalidate the operating mode settings.



Discarding the Drain Tank water

Remove the Drain Tank at the front of the Main Unit and discard the water accumulated in it.

- 1 Raise the Hood.
- 2 Move the Cock that keeps the Drain Tank in place to an upright position.
- 3 Grasp the bottom of the Drain Tank and pull it in a downward direction towards you.
- 4 Discard the water and then reverse the procedure to replace the tank
 - When installing the Drain Tank, check to see if the Drain Hose is in the tank.

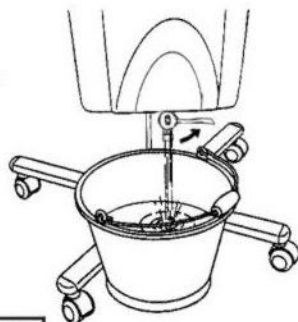


- Discard the water before the water fills up to the UPPER LINE of the Drain Tank.

Discarding the water in the Internal section after operations are completed

Discarding the water after finishing operations prevents the formation of scale, which can be a cause of malfunctions

1. Remove the Water Container and discard the water. Wash out the Water Container.
 - * If detergent is used for cleaning, be sure to rinse it out well.
2. Turning the Drain Cock 90 degrees to the right will discharge the water (boiling water) inside the Main Unit.



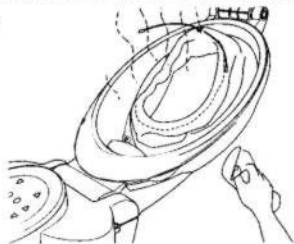
- Keep hands and feet away from the discharge outlet during discharge.
- There are cases when boiling water will spray out, which could result in burns.
- Remove the water inside the Main Unit at the end of each day.
- Water left inside may become a source of foul odors.
- Water inside the Main Unit may freeze in cold climates.
- Remove the water to prevent damage from freezing.

Maintenance

Caution

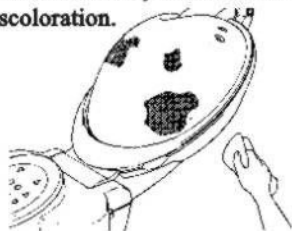
- Unplug the machine when carrying out maintenance.

The inside section of the Hood gets dirty easily, so it should be wiped clean periodically. Hair stuck inside or chemicals may cause malfunctions and become a source of foul odors.



When treatment, permanent, or coloring chemicals come into contact with the unit, use a damp cloth to wipe them off as soon as possible.

Failure to do so may cause surface staining or discoloration.



Control Section/Metal Section
Wipe with a soft dry cloth.

Caution

- If water is spilled on this section, wipe it off as soon as possible. Water may cause electrical malfunctions and become a source of breakdowns.

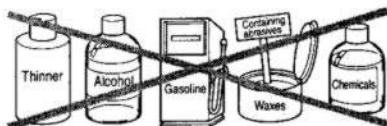
Plastic/Plated Metal/Painted Surfaces Section
Wipe with a soft dry cloth.
Use a diluted neutral detergent to clean off stubborn grime.

Water Container Maintenance

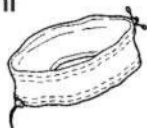
When cleaning out the Water Container using detergent, rinse the tank thoroughly to remove all traces of detergent. Detergent left behind may cause the machine to malfunction.

Notice

Do not use the following substances
Thinner, alcohol, gasoline, kerosene or other volatile chemicals; waxes containing abrasives; sponges containing abrasives, etc.



Wash the Face Guard with laundry detergent and use only after drying thoroughly.



Display Codes

The following displays indicate the condition of the machine, follow the directions on the Display decal.

PH

• Indicates that warm-up is in progress.



Wait until warm-up has been completed.

EO



This displays up to 59 seconds after the start of Cleaning.

E1

• Indicates that Cleaning is in progress.



This displays from 1 minute to 1 minute and 59 seconds after the start of Cleaning.

E2



This displays from 2 minutes to 2 minutes and 59 seconds after the start of Cleaning.

HO

• Indicates that water in the Water Container has run out.



Put water in the Water Container
Operation will resume after water has been added.

OF

• Indicates an excess of water.



1. Turn off the Power Switch.
2. Remove the Water Container, and discard the water in the Main Unit.
3. Fill the Water Container with water and check to make sure that there are no leaks.
4. After putting back the Water Container turn on the power. If the indicator is no longer showing of "OF" you can start operation

00

• Indicates that the machine is standby.



Select the mode to be used and Press the Start/Stop Key.

Troubleshooting

Symptom	Check
<ul style="list-style-type: none"> ● No power (Nothing displays on the Control Panel) ● No mist comes out ● The Temperature is too low or too high ● Water leaks from the Discharge Outlet. 	<ul style="list-style-type: none"> ○ Make sure that the power plug is properly plugged into the outlet. ○ Check to make sure that the Power Switch has been turned on. ○ Check the fuses in your fuse box to make sure they haven't burned out. If you have a breaker box, check for tripped breakers. ○ Unplug the machine and then plug it in again and see if it will operate. ○ If the PR display is blinking p.10 ○ If the HI display is blinking p.15 ○ If the UF display is blinking p.15 ○ If the Mist Level is (1,2) (p.6) There may be cases in which the quantity of mist is so small it is not visible. ○ Check to make sure the Temperature Level has been set properly. ○ Check to make sure the Drain Cock is shut.

Caution If the buzzer keeps beeping, no twinkling code to be displayed and no mist comes out, it indicates the water in the Water Container has run out. Turn off the power switch and fill purified water again. Turn on power in three minutes. If no beep, the machine can be used again. If this occurs frequently, please contact the service center or sales office to check whether the float switch or the temperature sensor is out of work.

In cases other than those listed above, contact our service center or sales office.