

 DONG GU ELEC.CO.,LTD.

Office Coffee Service Vending Machine

Model : DG-108F3M

Teatime
New Coffee Culture

D G G



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Before performing the connection, make sure that
the ratings correspond to the power supply voltage

Features

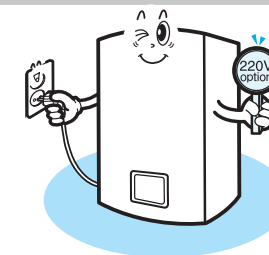
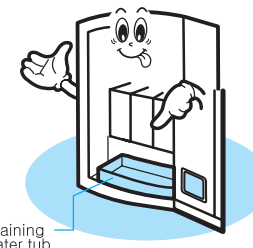
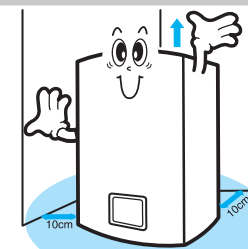
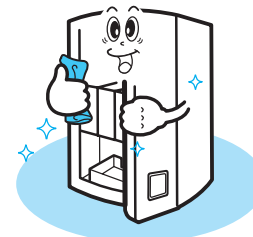
- 1 Refined design**
 As the best beautiful vending machine with european style, it show at the best advantage in any places.
- 2 Automatic Micom System**
 The micom system ca be control every function, as you press button.
- 3 Mountable water bottle**
 Water bottle can be mounted on top of the cabinet to remove inconvenience to supply water appropriately.
- 4 Various menu choice for your taste**
 Customers can select 1,100kind of tastes by adjusting the volume of raw materials and the amount of the water.
- 5 Individual cup use for environment protection**
 Mug cup use function as a substitute paper cup is realized environment protection reduce by one time cup use.
- 6 Various temperature adjustment system for your taste control.**
 You can enjoy various taste by easy temperature adjustment controller.
- 7 Easy & convenient connection of canister**
 introduce of Canister Gear connector system

Contents

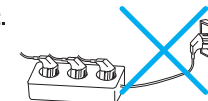
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Before using

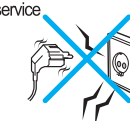
- 1 Clean the product completely**
 · Clean inside, outside and raw material barrel completely.
- 2 Establish the product on the flat place with 10cm distance from the wall**
 · It may cause any noise if installing on the unflat place
- 3 Put water gutter on the specified position**
- 4 Check the make sure to use the product with 220vol. (option) exclusive power supply**
 · This product is a 220V(option) exclusive product(Above 2kw of rated capacity)
 · Use ground-adapted electric outlet necessarily (All of the power supply of this product are grounded)



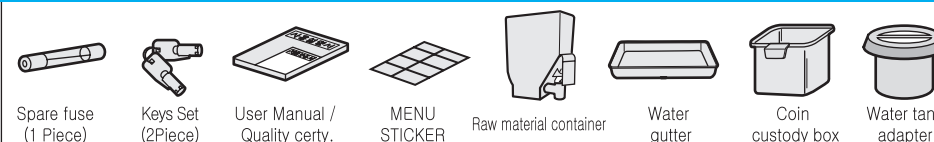
Do not connect multiple plugs of appliances to one outlet at the same time
Do not connect electrical plug to loose electrical outlet.
 ● It might cause fire.



Stop operation when the plug and outlet is damaged
 ● It might cause Electrical shock or fire.
 ● Be sure to call your local A/S service team to repair it.

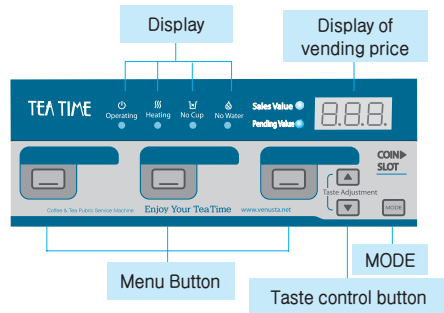


Accessories

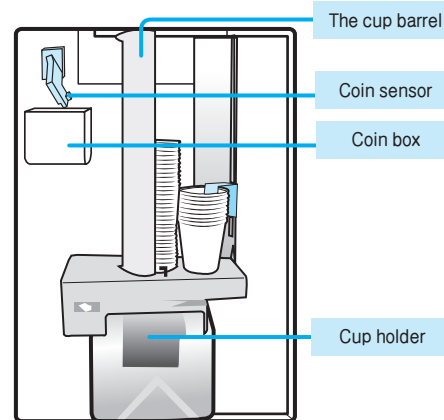


Description of each section

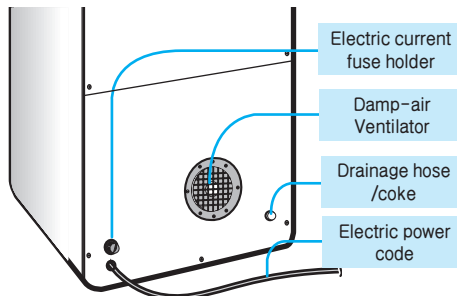
The front side



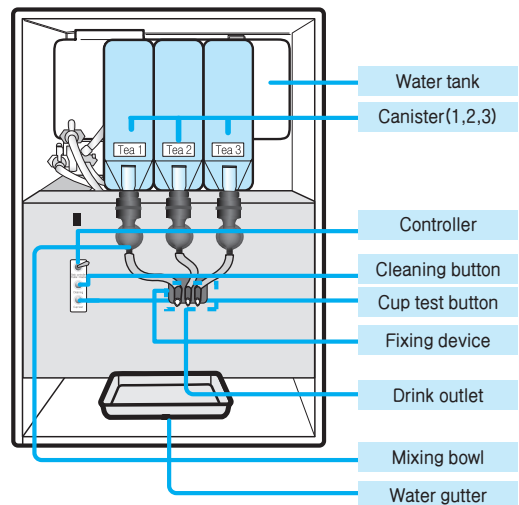
Inside the door



The rear side



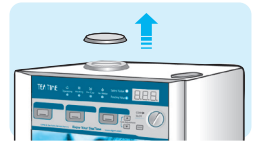
Internal View



How to supply water

How to supply water (INSIDE WATER TANK USING ONLY)

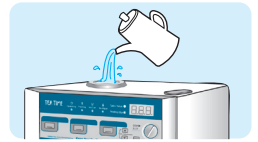
1 Open the lid of the water tank by twisting the arrow direction as indicated.



2 Put the water in to the tank using a big kettle



- Supply the water to reach 3cm distance from the top of the water tank.
- If the water overflows or gets into the assembly, it may cause the defect of the machine.

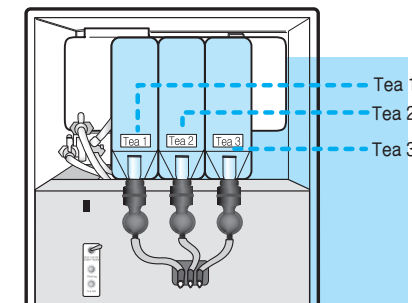


How to supply materials

Disassemble the material barrels at first

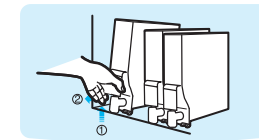
1 Lift the funnel and take out.

2 Take out the barrel by lifting the front side of it slightly
Disassemble in the following from left(Tea1) to right(Tea2)



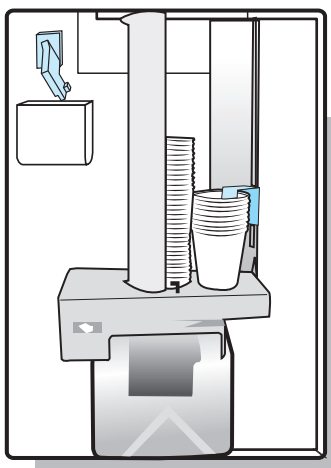
You can prepare the following materials

	Available	Unavailable
Coffee Material	Premix coffee(Cafe Latte, Cappuccino, CafeMoca,etc) Freshbrew coffee(Linger)	Liquid type cream
Tea Material	Citron/Tea Cocoa, Powder Milk Ginseng tea, Choco	Containedgrain tea soup, stew (stickymaterial)



The maximum volume of the material containers is 1,600g

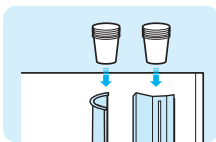
How to cup test



Put into cup barrel/Cup test method

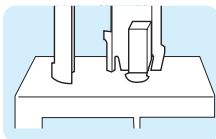
1 Put the paper cups into cup bucket.

- Put 5-10 cups each time into the barrel for cup sensor to operate moderately



2 Press the cup test button.

- You can see the paper cup comes out through the outlet with beep sound



- Do not use substandard, distorted, deformed or wet cups.
- Do not press the cups to put more cups into the barrel.
- May cause the cup sensor be out of order.



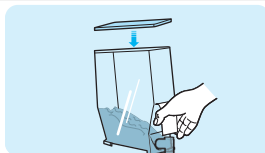
- Use the only 6.5Oz cups. (195ml standard type)
- If the cups are not placed straightly into the barrel, beat or tap with hand 2 or 3 times upward lightly



How to assemble barrels, and supply materials

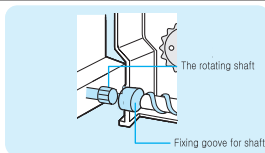
1 Close the lid after putting the raw materials into the container

- When putting raw materials, incline the barrel slightly backward for the materials not to get out of the front hole of the barrel.

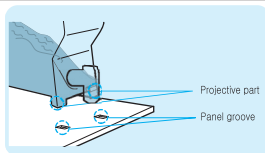


2 Fix the fixing hole of barrel into the rotating shaft correctly.

- Before assembling containers, make sure that the names of the material shown in a plate adhered to barrel with those of indicating panel. Assemble barrels in order
- Tea2 barrel Tea1 barrel (From the left to the right)



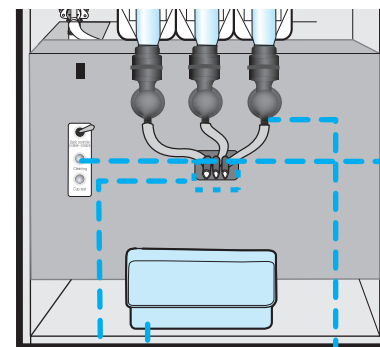
3 Put the projecting part located in the lower part of barrel into panel groove correctly. Put the raw material funnel into the panel hole correctly.



- Put the raw material into the barrel after removing any moisture from the barrel for the material not to be hardened due to any moisture.

How to clean the connection tubes

When using the machine for the first time or exception the connection tubes to be clogged due to the hardened materials during operation, press the cleaning button, it will clean them automatically. The cleaning function is only available during power is on.



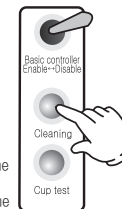
Cleaning the connection tubes

1 Press the cleaning button inside of the door.

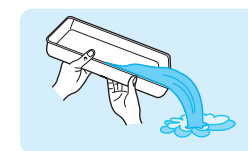
- The coffee or tea material mixing barrel and the connection tubes are cleaned with hot water.



- Tea material mixing barrel No.1 cleaning → one time Press the cleaning button
- Tea material mixing barrel No.2 cleaning → two times press the cleaning button for shortly time
- Tea material mixing barrel No.3 cleaning → three times press the cleaning button for shortly time
- Tea material mixing barrel No.1,2,3 in order → one time Press the cleaning button for long time.

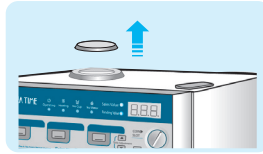


2 Put the water gutter back, after after remove draining water.

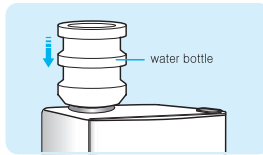


How to use mountable water bottle

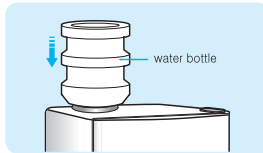
- 1 Open the water tank on the support of the cabinet with the bottom up & put the water bottle on the tank on the support of the cabinet with the bottom up.



- 2 This machine is (small size middle size & large size) exclusive use spring water bottle only.



- 3 Water bottle(Middle,Large size) mountable system.



Please notice do not exchange with spring water bottle of kids or infirmity with age. Be careful not pouring or flowering inside of the machine. It may cause electric shock or malfunction.

How to install and operate

This product is adjusted for the best taste at factory when it comes out. Try to make the drink be tasteful.



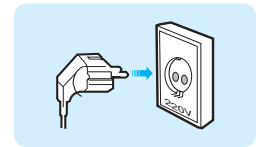
How to set up and choose drink

- 1 First of all, supply water into the tank and put raw materials (See page 5), cup(see page 6)



- 2 Connect the electric plug to correct voltage outlet.

- Use the outlet absolutely having been grounded.(All of power plugs of the machine are grounded)



- 3 Turn on the power switch on the right side of the machine.

- The heating lamp will be turned on after buzzer sounds three times and operating lamp will be turned on after 13minutes pass.



- 4 Press the menu button

- When starting to operate the machine for the first time, the price has a factory set-up at "Free of charge". Therefore, when pressing the button, the drink will be served immediately.



- 5 Take the cup out of the cup service outlet.



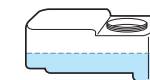
When the following indication signals are displayed

- When "no cup" lamp is changed on supply cups or insert your hand into the outlet and tap 2 or 3 times upward.

- The lamp is turned on when cups remain by almost consuming them.
- The lamp is turned on when the cups are not placed correctly.

- When "no water" lamp is changed on put the water more.

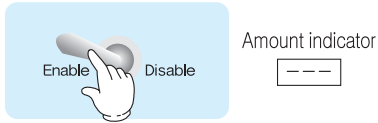
- There may no water in tank, or little water remains.



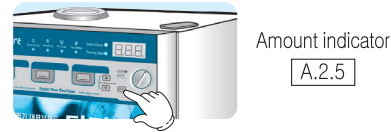
How to adjust the taste control & water volume

This function can be set-up following individual taste.

- 1 Set the Enable /Disable switch in the control box inside the door to Enable



- 2 Press the "MODE" button ONE time of the front door→Display of tea 1 material volume



- 3 Press select Drink button on the front door.



- When press tea 2 button →E2.5
- Setting limites of material volume : 0.0~7.5

- 4 Please UP or DOWN button on the front door.



- 5 When the water volume control, press tea1 button again.

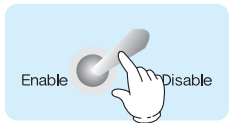


Setting limites of water volume : 0.0~9.9

- 6 Please UP or DOWN button on the front door.



- 7 When finish setting price, please return to "Disable" from "Enable" inside the door. Be keeping your changed numerical value with "beep sound"



Ref. inform.when the taste control

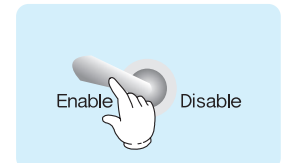
- The Max.value of raw material volume is limited of 1.5second of water volume
For example) When the 6.5second of water volume is limited of 4.5second of material volume.

Precaution

- Please attention used to "Water volume adjustment valve" because this be caused by drop the quality of accumulation etc.,
- Adjust the volume of water with volume adjustment valve.
- The volume adjustment valves are in the right and left sides of the built-in water tank in the product.
- Turn it left to decrease water volume and turn it right to increase water volume.

How to adjust the temporary taste control of the front door

- 1 Set the Enable /Disable switch in the control box inside the door to Enable



Amount indicator ---

- 2 Press the "MODE" button TWO times of the front door.



Amount indicator t0.2

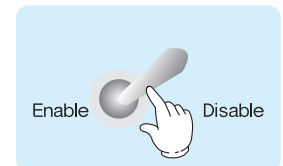
- 3 Press ("▲" "▼")the UP,DOWN button at the right of MENU button on the front door.(When the press UP button 2times)

The drink volume can be control from Min. t0.1 to Max t0.5



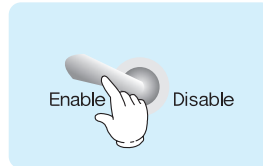
Amount indicator t0.4

- 4 When finish setting price, please return to "Disable" from "Enable" inside the machine. Be keeping your changed numerical value with "beep sound"



How to adjust the temporary taste control function Enable & Disable of the front door

- 1 Set the Enable /Disable switch in the control box inside the door to Enable



Amount indicator ---

- 2 Press the "MODE" button THREE times of the front door. At this time is displayed the setting value.



Amount indicator ENA

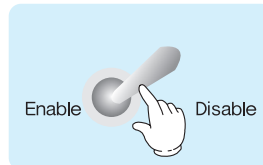
- 3 Press ("▲" "▼")the UP,DOWN button at the right of MENU button on the front door.

- *dls :Disable of temporary taste control function
- *EnA : Enable of temporary taste control function



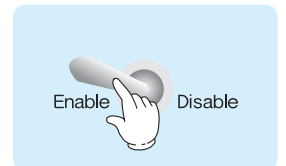
Amount indicator dIS

- 4 When finish setting price, please return to "Disable" from "Enable" inside the machine. Be keeping your changed numerical value with "beep sound"



How to set price

- 1 Set the Enable /Disable switch in the control box inside the door to Enable.



Amount indicator ---

- 2 Press the "MODE" button FOUR times of the front door. Press the menu button , the Vending price of tea1 ,tea2 & tea3 can be setting each menu.



Amount indicator 000

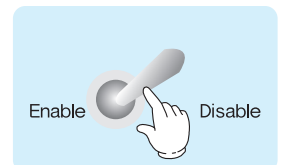
- 3 Press ("▲" "▼")the UP,DOWN button at the right of MENU button on the front door.

- *The vending price setting can be from 0 to 9piece coin.



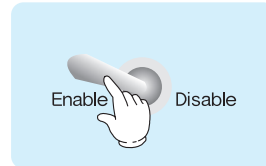
Amount indicator 200

- 4 When finish setting price, please return to "Disable" from "Enable" inside the door. Be keeping your changed numerical value with "beep sound"



How to check your selling cups

- 1 Set the Enable /Disable switch in the control box inside the door to Enable.



Amount indicator

- 2 Press the "MODE" button FIVE times of the front door.



Amount indicator

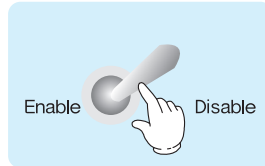
- 3 Press the drink menu button

*When you press another Menu button, is displayed selling cups each menu.
*Maximum display is to 999,999,999



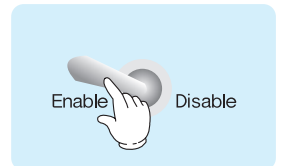
Amount indicator

- 4 When finish setting price, please return to "Disable" from "Enable"
Be keeping your changed numerical value with "beep sound"



The function for My cup

- 1 Set the Enable /Disable switch in the control box inside the door to Enable.



Amount indicator

- 2 Press the "MODE" button SIX times of the front door.



Amount indicator

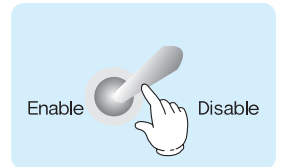
- 3 Press ("▲" "▼")the UP,DOWN button at the right of MENU button on the front door.

*AC1 : AUTOMATIC PAPER CUP DROP FUNCTION
*AC2 : INDIVIDUAL CUP FUNCTION(PAPER CUP IS NOT DROP)



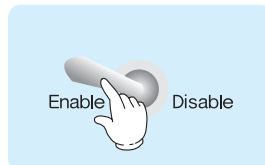
Amount indicator

- 4 When finish setting price, please return to "Disable" from "Enable"
Be keeping your changed numerical value with "beep sound"



How to the adjustment of water temperature

- 1 Set the Enable /Disable switch in the control box inside the door to Enable.



Amount indicator

- 2 Press the "MODE" button SEVEN times of the front door.

*At this time is displayed the setting value of water temperature
*You can adjust from 50°C to 98°C



Amount indicator

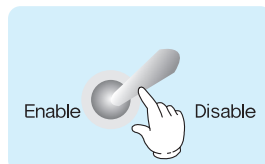
- 3 For example When you set up 96°C,

*Press the DOWN button "▼". TWO times of the front door.
*When the temperature up, Please Press UP button "▲".



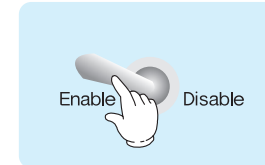
Amount indicator

- 4 When finish setting price, please return to "Disable" from "Enable"
Be keeping your changed numerical value with "beep sound"



How to the operation test

- 1 Set the Enable /Disable switch in the control box inside the door to Enable.



Amount indicator

- 2 Press the "MODE" button EIGHT times of the front door.



Amount indicator

- 3 Press the Menu button one time long.



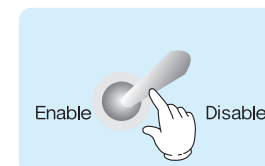
Amount indicator

- 4 All kinds of menu is operated 1times successively.



Amount indicator

- 5 When finish setting price, please return to "Disable" from "Enable"
Be keeping your changed numerical value with "beep sound"



How to the cleaning

※ Be sure to turn off machine before cleaning.

Inside water tank

Remove fur stacked inside water tank with soft sponge.

- Clean it over two times per one month



Canister

Rub it with soft sponge after soaking it in the water to make material become soft

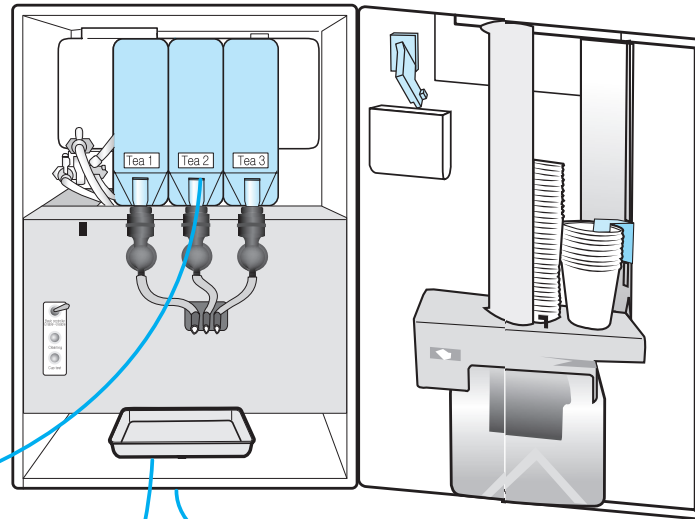
- Reassemble it after drying the water completely.
- Clean it over once per one month



Draining gutter

After casting away the water, soap it into the water bowl and wash it with water.

- After removing water completely, place it back in the specified position.
- Make sure to insert tube.
- Clean it once per one day.



Mixing bowl

Wash it with soft sponge gourd after soaping it in the water to make hardened material become soft.

- After removing water completely, place it back in the specified position.
- Clean it once per one day.



Cup outlet

Rub it with dried towel.

- Remove the remaining water with dried towel.
- Clean it once per one day.



Fan cover of damp-air ventilator

After removing the powder material and dust, clean it in the water and remove water.

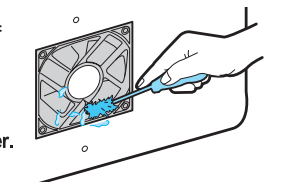
- **Caution** Be sure to turn off machine remove the cover. it might cause injury.



Damp-air ventilating fan

Rub it with wet towel, after shaking of material powder and dust with a brush.

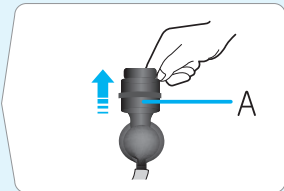
- **Caution** Be sure to turn off machine remove the cover. it might cause injury.



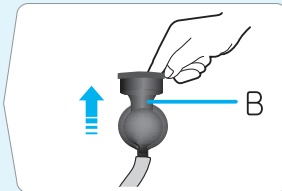
How to disassemble parts

How to disassemble the mixing bowl

1 Hold the canister with both fingers and remove it by lowering and pulling it upward part "A"



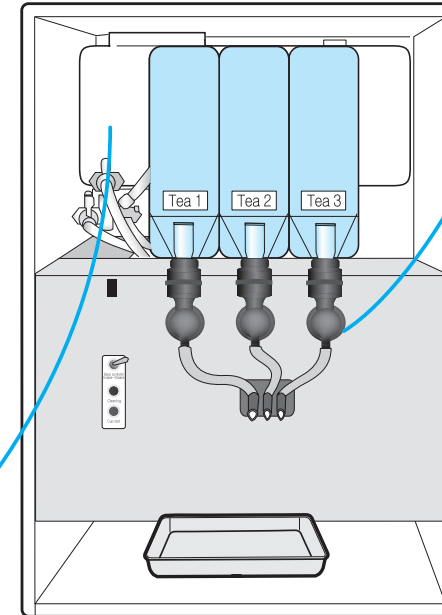
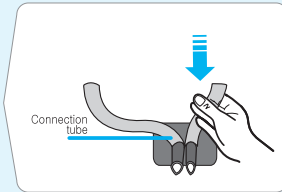
2 After remove "A" part, Turn off upward part "B".



3 Remove the mixing part in the direction to an arrow



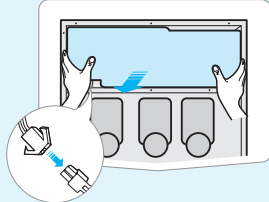
4 Remove Drink outlet hose & Mixing bowl



How to disassemble the water tank

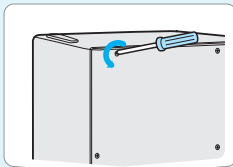
1 Pull the draining hose of the rear side and remove the lid.

- The water in the tank is drained completely.
- Turn the power off after draining water.
- Be careful hot water.



3 Loosen screws on the rear panel and push the water tank and then, disconnect and pull it out.

2 Disconnect the rear side cover with + type screw driver.



Precaution While draining water, be careful of hot water because hot water (above 90°C) gets drained from the beginning.

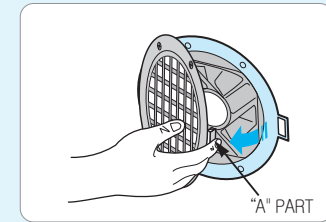
How to disassemble fan cover of damp – Air ventilator (bottom of the rear panel)

Please press a head of on pressing "A"

- While the damp air inside the product goes out through the damp air ventilator the moisture and dust materials may be mixed and it makes them contaminate.
- So disassemble and clean the fan cover and the ventilating fan.



Be sure to turn off machine remove the cover. it might cause injury.

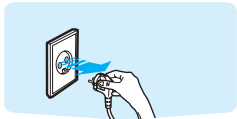


How to replace fuse

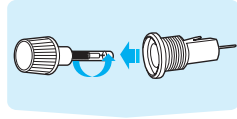
When excessive current flows, a fuse will be broken to cut off the power supply.
When a fuse is broken, put new fuse in (Same spec. one with spare fuse only.) and replace the broken one with the new one.
*Fuse is not a item of the after sales service.

● Replace fuse

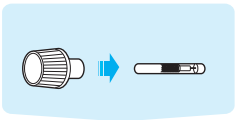
1 When replacing fuse, must be disconnect disconnect the power plug.



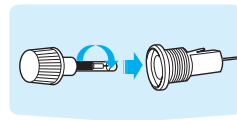
2 Open the fuse holder



3 Remove the broken fuse and insert the new one.



4 Close the fuse holder.



● Specification

Model	DG-108F3M
Power supply	220(110)V 50/60Hz(Export standard spec. is negotiable)
Consumption power	818W
Overheating prevention function	Bimetal system(Turn off to 115°C)
Boiler tank	1,600ml
Built in Water tank	4,500ml
Coin Mechanism	Option
Raw material canister	3 Kinds (Tea 1, Tea2, Tea3)
Indication System	LED & FND
Control system	MICOM(8K/B Micro Control System)
Net Weight	22kg
Gross Weight	24kg
Dimension	650(H) X 450(W) X 490(D)mm

MEMO