



FC 300

HOT & COLD WATER PURIFIER

Before using a product, please read owner's manual carefully and use in rightway.



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CHARACTERISTICS OF PRODUCT



PCB

- ▶ Digital control thru CPU can upgrade precision of product.
- ▶ Object-oriented micro processor is installed to maximize the convenience of use.
- ▶ Touch sensor switch is applied.



Filter System

- ▶ 'Filter Change' of LED Panel will be ON to indicate it is time to change the filter.
- ▶ Provides clean water suitable to drink.
- ▶ It is safe to drink thru 4-stepped filtering.

Device Operation

- ▶ All buttons of Cold water and Hot water and positioned at front panel for easy access
- ▶ It is easy to turn ON and OFF both Cold Water and Hot Water depends on the necessity.
- ▶ Anyone can easily operate without any problem.



Safety Device in Hot Water

- ▶ To prevent from children's scald, safety device was applied for using hot water.
(Hot water can be drawn only when 'Hot Water' button is pressed)



LED Panel

- ▶ Status of device operation is shown on LED window.

Design

- ▶ Luxurious shape by the design of professional.
- ▶ Wonderful presentation of product makes your house stylish.



Connecting water path

- ▶ Simple connection of hose just by one-touch fitting.



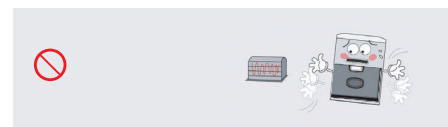
Warning for safety

These are to keep safety of users and to prevent capital losses and inconvenience from any accident. Please make sure to read all following details and use the product in right way.

- ⚠ Means general warnings and notices.
- 🚫 Means restrictions in handling product.
- ❗ Means to guide special actions to users.

Caution for installation

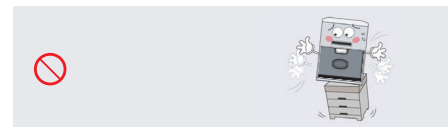
Do not keep electric device, electric heater, and any flaming product near this product.
(It may cause malfunction of product.)



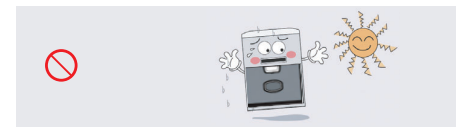
For installation or moving of this product, make sure to contact service center or designated installation office to do it for you.
(It may cause malfunction, leakage, electric shock, and fire. To change installation location, additional costs of construction and installation will be charged to you.)



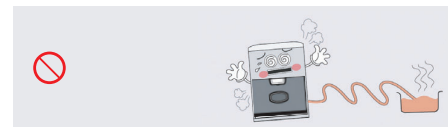
Do not install water purifier at unstable location.
(If product falls, it may cause human or capital damages.)



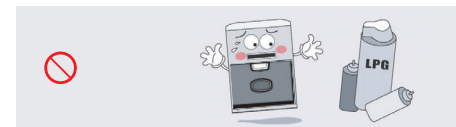
For installation, avoid direct sunlight, heating device, and especially any humidity.
(It may weaken cooling capacity, and may cause electric shock.)



Do not connect hot water (Over 30°C) to this product.
(It may cause malfunction.)



Do not install this product at any location with the possibility of flammable gas leakage.
(It may cause explosion or fire from gases around water purifier.)



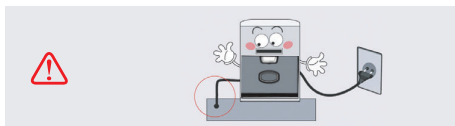


Warning for safety

Warning in installation related

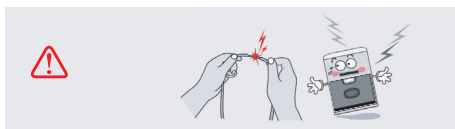
Make sure to use electric power supply cord to only grounded outlet.

(If there is only non-grounded outlet, install separated ground line)



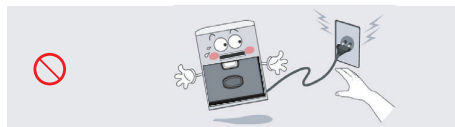
In installation, DO NOT connect or process wires as your own will.

(It may cause electric shock or fire.)



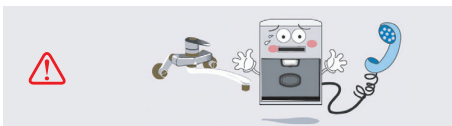
DO NOT pull out the power supply cord.

(It may cause malfunction or electric shock. To turn off the water purifier the device. Make sure to press Operation/Stop button only to turn it off.)



In case you use water other than tap water, please consult with our agent or staff in head quarter before use.

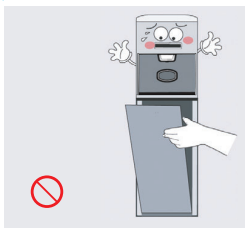
(It may shorten the product life cycle or cause malfunction.)



Warning in usage

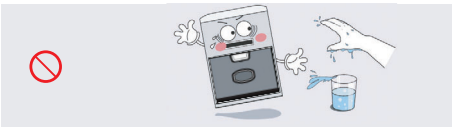
Do not open the front panel during operation.

(It may cause malfunction.)



Prevent the water front flowing inside of the water purifier.

(It may cause electric shock or malfunction.)



Warning for safety

Warning in usage

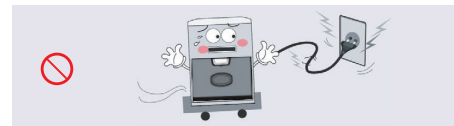
DO NOT step on the product or put heavy things on the top of the product.

(It may cause malfunction or electric shock, and even if things fall from the product, it may hurt somebody.)



Do not more the product during operation.

(It may cause electric shock or malfunction.)



If there are burning smell, and smoke a strange sound. Turn off the water purifier immediately, and turn off the power and contact our service center.

(It may cause electric shock or fire.)



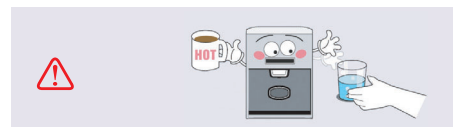
It is recommended to use purified water as fast as possible, to refill fresh water.

(Long time reserved water can have germs or bad taste.)



Use container such as plastic cup, for hot water.

(It may cause a scald.)



DO NOT pull out the power supply cord, and touch it with wet hands.

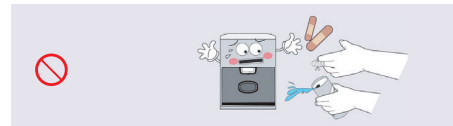
(It may cause electric shock or fire.)



Do not put any materials or fingers into the product during operation.

(It may cause a scald or electric shock.)

(Especially, the children should be alert on it.)



DO NOT force to bend wire, and do not put heavy things on the wire.

(It may cause electric shock or fire.)





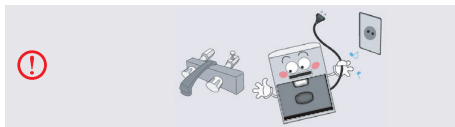
Warning for safety

Warning in repair and maintenance

Pull out the power supply cord and shut off the adaptor valve for water supply in case of not using the product for long term.

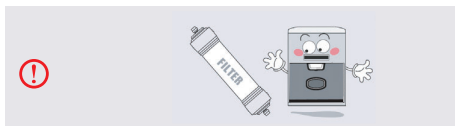
(Please drain the water from Hot/Cold reservoir in case of not using it for long term.

If not, the water may get rotten inside of the reservoir.)



Change the filters regularly according to the recommended period.

(Otherwise, you may have bacteria in the water, or taste of water may become bad. Filter usage cycle will differ by used quantity, area to use, season, and quality of water, etc.)



Use the dry and soft cloth for cleaning. Do not spray water directly on the product. It's prohibited to use benzen, thinner, alcohol, etc.

(It may cause electric shock or fire.)



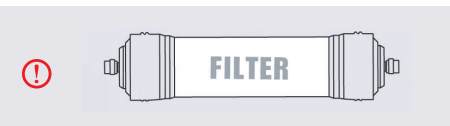
If you need any repair, make sure to contact service center.

(If you disassemble or repair this product as your own will, it may cause electric shock or fire.)



Use certified filter, only.

(If you use other company's filter or non-certified filter, it may cause malfunction or insufficient capacity.)



If you need cleaning inside the tank, request our A/S engineer to do for you.

(If you clean inside the tank, by yourself it may cause electric shock or malfunction.)



Warning for safety

Warning in repair and maintenance

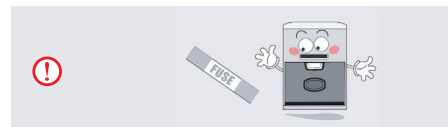
Please cut off the power before the cleaning & repair.

(It may cause malfunction or electric shock.)



Make sure to use rated fuse only.

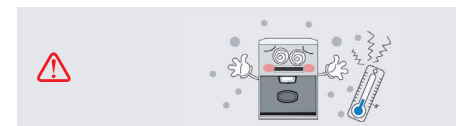
(If you use steel wire or copper wire instead of fuse, it may cause malfunction or fire.)



DO NOT leave this product under cold temperature below zero degree.

(It may cause malfunction or electric shock.)

※ This product is for indoor use only.





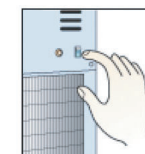
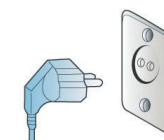
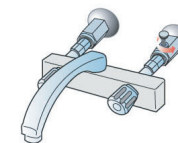
Names of components



Installation Guide

❖ Check the below mentioned details before the installation.

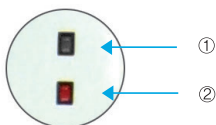
1. Make the place for the installation of water purifier to be firm and flat. If the place is inclined or unstable, it may cause abnormal noise.
2. Connect adaptor to water supply valve. (Sink or tap water pipe)
At this time, make sure water supply valve is shut of before connection. Select large, medium, small sized adaptor according to the condition of in stallation.
3. Connect tap water connection hose to source water connection part.
4. Put the power supply cord into outlet to operate the product.
5. Supply water by opening the water supply valve.
6. After about 10 minutes, check if water comes from cold/hot water faucet, and press cold water switch and hot water switch on the back side to operate. (Cold water lamp and hot water lamp will be ON)
7. It will take about 30 minutes for cold water and about 60 minutes for hot water to reach to the required temperature after starting operation by pressing cold water and hot water selection button.





Operation Guide

COLD & HOT SWITCH
(BACK SIDE)



LED PANEL



▶ Using cold water/continuous water production

1. Turn ON cold water switch ① at the back side of the product, and then cooling function will start to work.
2. Press cold water selection switch ③ in LED panel, and press water demand button ⑥, then cold water will flow out thru Cold/Hot water faucet ⑤.
3. If you press cold water button ③ for 4 seconds, cold water will flow out thru cold/Hot water faucet ⑤ continuously, and if you press cold water selection button ③ or water demand button ⑥, then continuous flow out will stop.

▶ Using hot water

1. Turn ON hot water switch ② at the back side of the product, and then heating function will start to work.
2. Press hot water selection switch ④ in LED panel, and press water demand button ⑥, then cold water will flow out thru Cold/Hot water faucet ⑤.

▶ Using room temperature water

■ Using cold water and room temperature water

※ Room temperature water will come from inside the hot water tank.

1. To use cold water, turn ON cold water switch ① at the back side of the product, and then cooling function will start to work.
2. To use room temperature water, turn OFF hot water switch ② at the back side of the product, and hot water selection switch ④ in LED panel, and then room temperature water will come out thru Cold/Hot water faucet ⑤ while you press water demand button ⑥.

■ Using hot water and room temperature water

※ Normal temperature water will come from inside the cold water tank.

1. Turn ON hot water switch ② at the back side of the product, and then heating function will start to work.
2. To use room temperature water, turn OFF cold water switch ① at the back side of product, and cold water selection switch ③ in LED panel, and then room temperature water will come out thru Cold/Hot water faucet ⑤ while you press water demand button ⑥.

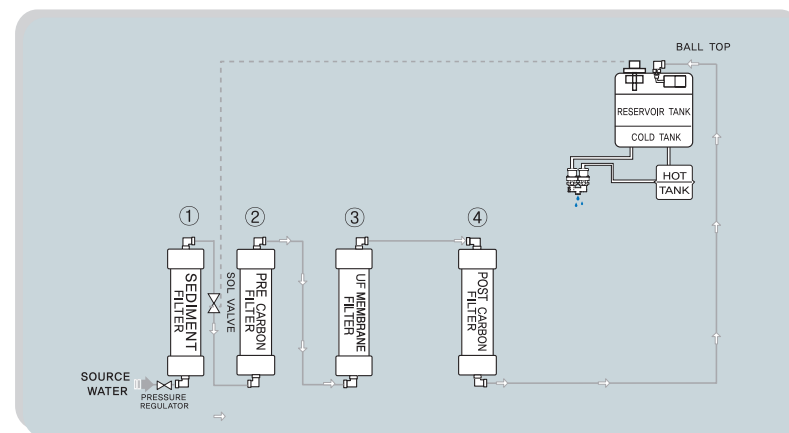
▶ Checking filter

1. When due date to replace filter comes, Filter Change LED will turn ON to indicate the time to replace filter.
2. After you replace filter, press Filter Reset Button.



Composition and specification of filter (Purifying architecture)

Step	Purifying architecture of Filter
① 1st Step	SEDIMENT FILTER - Pre process purifying step. Floating materials and sediments will be removed to protect other components and functioning of following filters.
② 2nd Step	PRE CARBON FILTER - This filter was fabricated from Japan Fudamura's particle activated carbon which used coconut husks activated at 800℃, and it can absorb and remove various bio-chemical materials more effectively.
③ 3rd Step	U/F MEMBRANE FILTER - Heavy metallic substances, ionized substances and microorganisms are removed through this membrane.
④ 4th Step	POST CARBON FILTER - Using particle activated carbon, it will block final pollution source, and remove fine remained smell, etc. to upgrade taste of water.





Method to change filter

1. Shut the water supply adaptor valve, and pull off power cord.
2. - Stand model : Pull front panel slightly down and forward to separate.
- Desk top model : Unscrew 2 screws at the bottom of the filter door, and pull slightly forward to separate.
3. Push pushing-part of elbow fitting fitted at in-out gate of filter to replace, and pull slightly forward to separate.
4. Connect new filter with new elbow fitting fitted at in-out gate.
5. Re-assemble separated front panel (Stand model) or filter door (Desk-top model).
6. Open water supply adaptor valve, and re-plug power cord.

- ※ Make sure to replace filter due to recommended time.
- ※ If replacing filter becomes late, purifying capacity and efficiency can be reduced.
- ※ If any other problems are found or services are necessary, please contact our headquarter or distributor which installed this product.

If problems or accidents occurred by user's own filter replacement, make/manufacture shall not be liable.

Due time to replace filter

- Recommended time to replace filter, consumable product, shall mean ideal filter replacement time, not quality warranty time.
- So, depending upon quality of water to purify or high quantity to purify, recommended time to replace can be shortened.
- Replace shall not change all filters at one time, but replace in sequence.

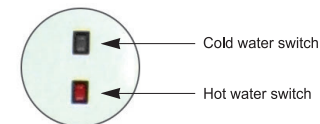
Item \ Time	3 M	6 M	9 M	12 M	15 M	18 M	21 M	24 M
SEDIMENT FILTER	●	●	●	●	●	●	●	●
PRE CARBON FILTER		●		●		●		●
R/O FILTER								●
POST CARBON FILTER				●				●



Cleaning Product

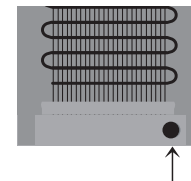
Shut the source water supply valve, and turn the cold water /hot water switches at the back side, OFF.

※ Cold water/Hot water switches (Back side)

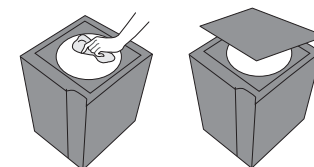


Open drain valve (outlet valve) to drain all water in the cold water tank and hot water tank. In draining, be careful of the hot water.

When draining is completed, pull out the power cord from plug.



Clean inside the tank with soft cloth. Rinse each of the tank inside, and shut the cover, and re-start the purifier.





Checking and Actions

Please check following items before you report problem to the center.

Symptom	Check Points	Action to do
Device not working	<ul style="list-style-type: none"> Power cord is not connected correctly. Fuse cut. Power failure. 	<ul style="list-style-type: none"> Put power cord correctly into plug. Replace fuse (115V/10A) at the back side. Check other electric device.
Not sufficient cooling	<ul style="list-style-type: none"> Direct sunlight or any heating device is near. Backside of the product contacts the wall. There are things at the left and right of the device. Used too much cold water at one time. Cold water SW is OFF. 	<ul style="list-style-type: none"> Avoid direct sunlight or take heating device away. Move the product away a little from the wall. Take away things from left and right side of the device. Wait a while. Turn ON cold water SW.
No is coming out hot water	<ul style="list-style-type: none"> Hot water SW is OFF. Used too much hot water at one time. 	<ul style="list-style-type: none"> Turn ON hot water SW. Wait a while.
Water comes out remarkably little	<ul style="list-style-type: none"> Outlet gate is clogged. Filter is clogged. Water pressure is low. There is vending part in connection hose. Leakage? Check if there is water in the water tank. 	<ul style="list-style-type: none"> Check odd materials in outlet gate. Replace current filter. Find a solution to raise water pressure, like additional pump. Remove vending part in connection hose. Shut the source water supply valve and contact distributor. Fill water in the water tank.
Big and abnormal noise	<ul style="list-style-type: none"> Floor under the product is weak or unstable. Backside of the product contacts the wall. There is object at the back of this product. 	<ul style="list-style-type: none"> Make the floor under device flat and firm. Move the product away a little from the wall. Take away object at the back side of this product.
Water smells disinfectant	<ul style="list-style-type: none"> Filter replacement due date is over? Momentarily, too much chloride in tap water. 	<ul style="list-style-type: none"> Replace filter. Make the water tank empty.
No water out	<ul style="list-style-type: none"> Check if adaptor is shut. Check if check-valve between adaptor and purifier is shut. 	<ul style="list-style-type: none"> Open adaptor. Open check-valve between adaptor and purifier.



Product Specification

Product Specification		
Product Name		FC hot water purifier
Model Name		FC 300 / FC 350
Rated Voltage		AC 115V / 50~60Hz
Power Consumption		Cold Water 80W / Hot Water 430W
Purifying Filter	Composition	① Sediment Filter ② Pre-Carbon Filter ③ U/F Membrane Filter ④ Post-Carbon Filter
	Replace Indicator	LED Warning Lamp
Dimension		FC 300 : 360(W) X 380(D) X 517(H) FC 350 : 360(W) X 380(D) X 1,269(H)
Capacity of Tank	Cold water tank	FC 300 : 5.4 L FC 350 : 5.4 L
	Hot water tank	FC 300 : 1.7 L FC 350 : 3.8 L
Water supply method		Type to connect directly to only tap water
Refrigerant		R-134a
Safety device		BIMETAL

MEMO

MEMO

A series of horizontal dotted lines spanning the width of the page, providing a template for writing.

Flowline

FC 300 / FC 350

◆ Supplier

◆ Dealer

Bluline
3937 Pembroke Road, Hollywood, Florida 33021
Phone: 1-866-289-7518 Fax: (786) 207-2570
Email: info@bluline.com