

floater imports

DF169

ECO AIR COOLER

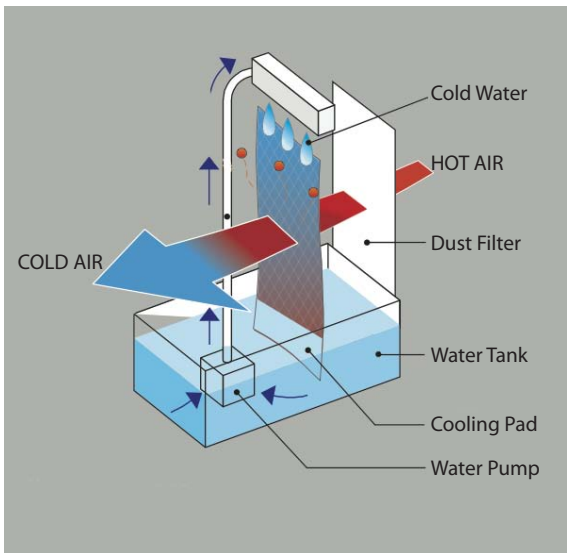
EVAPORATIVE AIR COOLER WITH IONIZER



USER'S MANUAL

WHAT IS AN ECO AIR COOLER ?

The ECO AIR COOLER uses evaporative cooling to provide an airflow that is cooler than the surrounding air. Water from the tank is pumped up and dripped onto the cooling pad inside of the air cooler. As hot ambient air is pulled through this cooling pad, the water in the cooling pad evaporates. Evaporation is an endothermic process (it absorbs heat) - the energy used in evaporating the water drops the temperature of the air flowing through the cooling pad. As a result, the airflow from the cooler is much colder than the ambient air.



The best feature of the ECO AIR COOLER is that it is an environmentally responsible method of air cooling since it uses only water and **only 65 Watts of power** - about the same as one light bulb !

✱ HOW TO USE THE ECO AIR COOLER EFFECTIVELY

The ECO AIR COOLER is not an air conditioner. It is best described as the coldest fan you will ever experience. Unlike an air conditioner, it does not recirculate stale dry air - it constantly circulates healthy, fresh and cold air into your space.

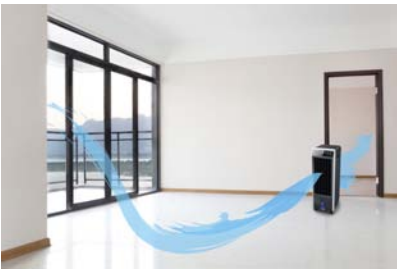
The ECO AIR COOLER is most effective in drier climates and works best in areas with less than 60% humidity.



The colder the water is in the water tank, the more effective the evaporative cooling works. As a result, for additional and prolonged cooling, freeze the included ice packs and place them in the water tank. Ice cubes can be used as a substitute or in addition to the ice packs.



Place the rear of the ECO AIR COOLER in front of an opened door or window. Evaporative coolers are most efficient when they have a constant supply of fresh air.

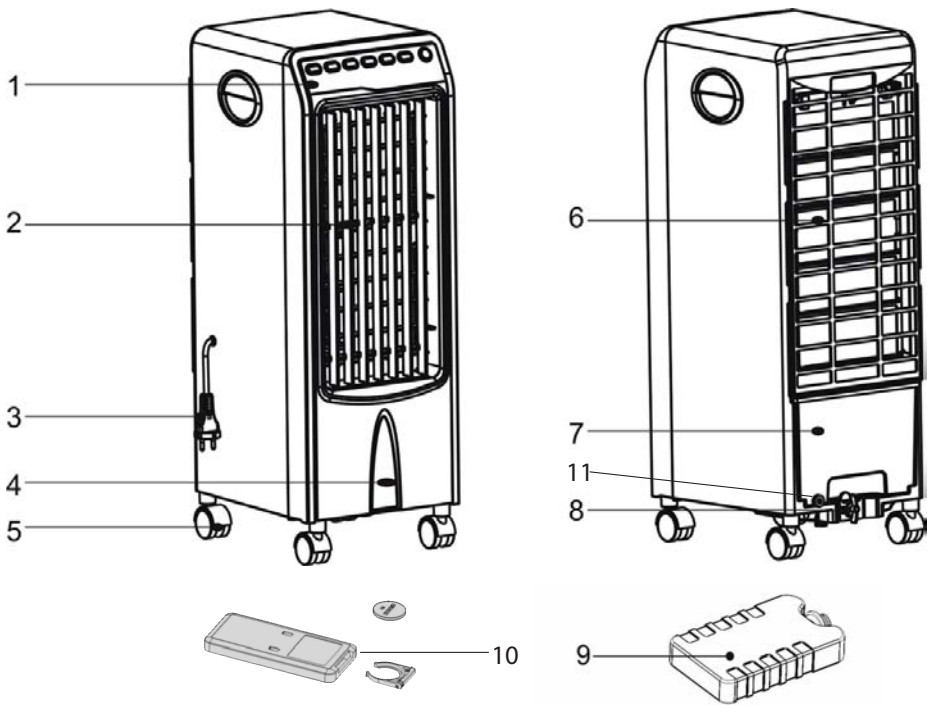


To enhance the circulation of the cold air from the ECO AIR COOLER, use it in a space with two slightly opened doors or windows opposite each other, creating a cross flow of air.



DO NOT USE THE ECO AIR COOLER IN A CLOSED ROOM - the room may become humid.

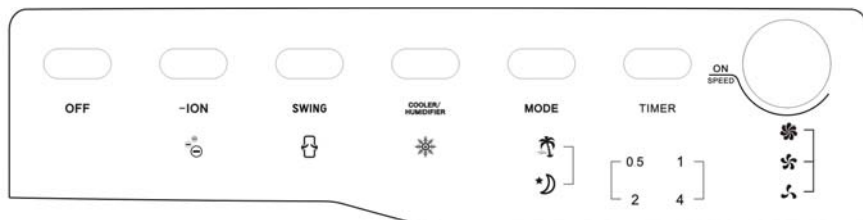
For a short demonstration video of the ECO AIR COOLER, please visit www.floater.ca. Enjoy your ECO AIR COOLER.



DESCRIPTION OF COMPONENTS

- | | |
|--------------------------|--------------------|
| 1. Indicator Panel | 7. Water Tank |
| 2. Wind Outlet | 8. Water Tank Lock |
| 3. Power Cord | 9. Ice Packs |
| 4. Water Level Indicator | 10. Remote Control |
| 5. Casters | 11. Drain Plug |
| 6. Dust Filter | |

CONTROL PANEL



CONTROL PANEL OPERATION

ON/SPEED BUTTON:

On/Speed button is used for starting the unit and changing the wind speed. Wind speed is started from medium speed and changed to low speed 3 seconds later, then you can press the On/Speed button to set the speed you need. Wind speed is divided into HIGH, MEDIUM and LOW by indicator lights.

COOLER/HUMIDIFIER BUTTON:

If the Cooler/Humidifier function is not on, the ECO AIR COOLER acts like any normal fan, without the evaporative cooling.

When the Cooler/Humidifier button is selected, the water pump is engaged. After a couple of minutes, the evaporative cooling process will begin.

This function will only operate when there is at least the minimum required amount of water in the water tank. If the Cooler/Humidifier button is pressed and there is not enough water in the tank or if the water level falls below the minimum, a warning sound will emit from the unit for 10 seconds, and the Cooler/Humidifier function will automatically shut off - this is for the protection of the water pump.

TROUBLESHOOTING TIP

If the Cooler/Humidifier function automatically shuts off even though there is enough water in the tank, the float switch that protects the water pump is stuck. When the float switch is stuck, the unit acts as if there is no water in the tank. In order to dislodge the float switch, please drain the unit of water and ensure that it is dry. Grab the handles on the sides of the unit and shake the unit from side to side and up and down vigorously. This will reset the float switch and the Cooler/Humidifier function will work properly.

SWING BUTTON:

This function will oscillate the wind louvres automatically from side to side.

TIMER BUTTON:

Can be set between 0.5 to 7.5 hours easily. Press once for each 0.5 hour increment added to the desired set time. The set time is indicated by the combination of timer indicator lights that are on.

-ION BUTTON:

Press this button and the built-in ionizer will start to purify the air (please refer to Ionizer section).

MODE BUTTON:

This button may be used to select the type of wind circulation - Normal Mode, Natural Mode, or Sleep Mode.

NORMAL MODE:

(when both indicators are off):

Constant wind speed of LOW, MEDIUM or HIGH as set.



NATURAL MODE:

The fan operates in a random cycle of a combination of OFF, LOW, MEDIUM and HIGH to simulate a natural breeze. By pressing each of the three wind speeds, a unique natural wind cycle is selected. Note: when selecting LOW or MEDIUM speed in Natural Mode, the speed is cycled only between OFF, LOW and MEDIUM.



SLEEP MODE:

Under this mode, the unit will enter a computer-controlled wind mode, in which the speed will gradually decrease over time.

A. When set at HIGH speed at the beginning, the fan will work at HIGH speed for half an hour, then it will switch to MEDIUM speed. After another half an hour, it will change from MEDIUM speed to LOW speed. The fan will stop at the preset time (if Timer function is used) or whenever the power is turned off, otherwise it would continue in LOW speed mode.

B. When set at MEDIUM speed at the beginning, the fan will work at MEDIUM speed for half an hour, then the fan will switch to LOW speed. The fan will stop at the preset time (if the Timer function is used) or whenever the power is shut off, otherwise it will stay in LOW speed mode.

C. When set at LOW speed at the beginning, the fan will operate at Low speed until the preset time (if Timer function is used) or whenever the power is shut off, otherwise it will remain in LOW speed mode.

OFF BUTTON:

Press the OFF button to switch all functions off.

NOTE: The unit will emit a beeping sound whenever any function key is pressed except for the OFF key.

WHAT IS AN IONIZER ?

AIR PURIFICATION

The built in ionizer is very effective at purifying the air by charging air particles with a negative charge. As these negatively charged particles, or -ions, are circulated from the cooler, they attract dirty particles such as dander, dust, pollen and cigarette smoke until they become so heavy that they simply fall to the ground, removing them from the air. As a result, this ionizer does not require any costly filters to change nor does it require any kind of maintenance. The ECO AIR COOLER not only cools your room in the summer but it can improve air quality year round.

THE EFFECT OF -IONS ON AIR QUALITY

As universally demonstrated by scientific research, the content of -ions in the air is of great importance to air quality. People in forested areas, near waterfalls and the seashore enjoy much better air quality and freshness because of the high -ion content. In these places, the concentrations of -ions are 1000 times more than that of office buildings and urban residential areas. Modern city life of over-crowding and pollution leads to a depletion of -ions. This trend means that people in cities are subjected to poor air quality continuously.

OPERATION GUIDE

1. OPEN THE PACKAGE AND TAKE THE UNIT OUT.

Remove foam protection and plastic bag before connecting to power.

Figure 1

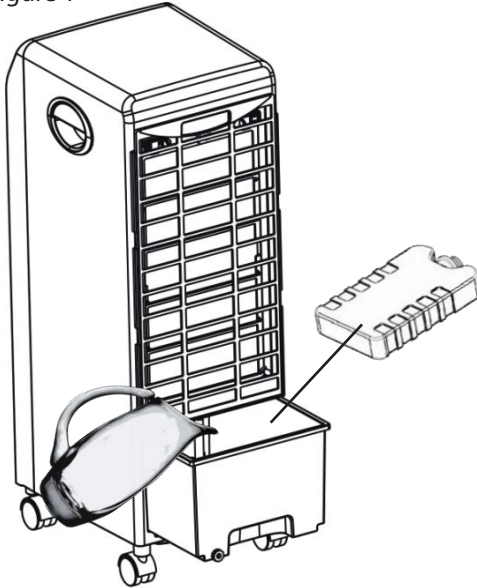


Figure 2

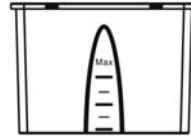


Figure 3



2. ADDING WATER:

Before connecting to power, unlock the Water Tank Lock on the back of the unit and pull the water tank out as far as possible. Pour cold and clean water into the water tank (Figure 1). Be mindful of the water level indicator when adding water to control the quantity (Figure 2). **DO NOT OVERFILL**. If water is overfilled, use drain plug at the back of the water tank and **DO NOT TIP UNIT TO DRAIN**.

3. TO USE THE UNIT AS A ONLY A FAN, SELECT THE ON/SPEED BUTTON. SET THE DESIRED FAN SPEED TO HIGH, MEDIUM OR LOW.

4. IF YOU WISH TO ADD THE COOLER/HUMIDIFIER FUNCTION, PRESS THE COOLER/HUMIDIFIER BUTTON.

NOTE: THE ECO AIR COOLER IS EQUIPPED WITH A FLOAT SWITCH. IF THERE IS NOT ENOUGH WATER IN THE WATER TANK, THE UNIT WILL EMIT A WARNING SOUND AND THE COOLER/HUMIDIFIER FUNCTION WILL AUTOMATICALLY SHUT OFF.

*** TROUBLESHOOTING TIP**

If the Cooler/Humidifier function automatically shuts off even though there is enough water in the tank, the float switch that protects the water pump is stuck. When the float switch is stuck, the unit acts as if there is no water in the tank. In order to dislodge the float switch, please drain the unit of water and ensure that it is dry. Grab the handles on the sides of the unit and shake the unit from side to side and up and down vigorously. This will reset the float switch and the Cooler/Humidifier function will work properly.

5. NOW THAT THE UNIT IS ON, THE TIMER, SWING, MODE, OR -ION FUNCTIONS CAN NOW BE ACTIVATED AND SET BY SELECTING THEIR BUTTONS.

6. ANYTIME WHEN YOU WANT TO STOP THE UNIT, PRESS THE OFF BUTTON.

7. REMOTE CONTROL

A. The unit can also be controlled directly with the remote control. Open the battery cover on the bottom of the remote control and install a 3V CR2032 battery (see Figure 3).

B. There are 7 keys on the remote control, they function the same as the button controls on the control panel.

When using remote control, it should be aimed at the Control Panel of the unit. The remote is effective up to a distance of 6 meters.

8. USING THE ICE PACKS

The unit comes with two ice packs to be used for cooling the water in the water tank (see Figure 1). This allows the water in the water tank to stay cooler for longer periods of time so that the evaporative process can work at its optimal.

CLEANING

DUST FILTER

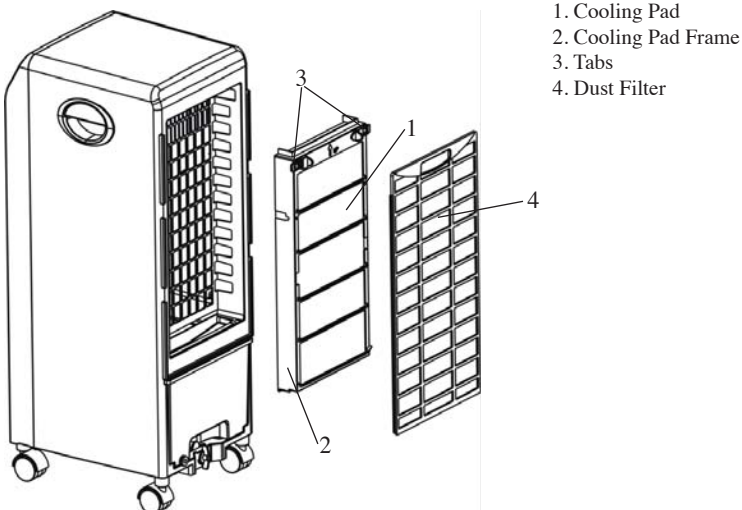
Disconnect power. Pull out the Dust Filter upwards using the handle. Wash the net with a gentle detergent and a soft brush. If the environment is dirty, you should wash it once every one or two months.

COOLING PAD

Disconnect power. Remove the Dust Filter and then push inwards on the tabs at the top of the Cooling Pad Frame to loosen the Cooling Pad Frame. Then, pull it outwards to remove. To wash the Cooling Pad, run cold water through it while it is in the Cooling Pad Frame.

WATER TANK

Disconnect power and then drain the water from the water tank by removing the drain plug at the back of the tank. **DO NOT TIP UNIT OVER TO DRAIN WATER.** Unlock the water tank and pull it out as far as possible and then use a brush or a cloth to clean any sediments in the water tank with a gentle detergent.



OUTER COVER

Clean with gentle detergent and soft cloth.

ATTENTION: ANY PART OF THE CONTROL PANEL SHOULD BE KEPT DRY AT ALL TIMES.

POINTS FOR ATTENTION

- When adding water and ice packs, do not overfill above “MAX” water level.
- The cooler/humidifier function works best in a room where there is a window or door slightly open to release moisture. A closed room may become humid.
- For best cooling results, place the rear of the ECO AIR COOLER in front of an opened door or window.
- When environmental humidity is too high, avoid using the cooler/humidifier for extended periods - use the unit as a fan only.
- To prevent water from overflowing, do not tip or lean the unit.
- Do not put any objects on or in the unit.
- Disconnect power before cleaning, repairing, moving or adding water.
- If the machine tips over with water in it, disconnect power plug immediately. Remove drain plug at the back of the water tank to remove water. Let machine dry out for over 24 hours before using again. Please note, warranty does not cover the situation in which the unit was tipped over and damaged.
- When moving the unit with water in the tank, please be careful not to let the water overflow.
- Do not place the wind outlet or wind inlet of the unit close to walls or curtains, otherwise air can be blocked, reducing the effectiveness.
- After a period of time, the dust filter will become dusty and block the air-flow. It will be back to normal after cleaning the dust filter.
- When not using the unit for an extended period of time, disconnect the power.
- Do not attempt to service the unit by yourself.
- If the supplied cord is damaged, a qualified technician must replace it in order to avoid a fire hazard.

SPECIFICATIONS

Model No.	DF169
Voltage	120V~60Hz
Power	65W
Maximum Wind	400m ³ /hr
Max Water Capacity	7L (1.85 gal)
Water Usage	0.6-1.0L/hr (0.15-0.26 gal/hr) depending on humidity
Net weight of unit	6.4 kg (14 lbs)
Unit Size	26.4x31.8x74.2 cm (14.5x12.5x29 in)
Area of Coverage	up to 150 sq ft

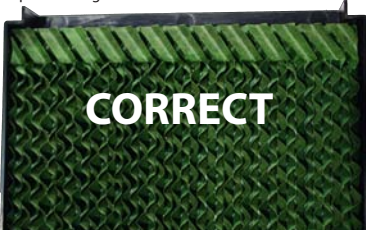
WARRANTY

For the one year limited warranty, please keep proof of purchase. For service enquiries or warranty issues, please contact point of purchase.

COOLING PAD REPLACEMENT

Please note, the Cooling Pad should last 5 years of seasonal use. Should you require a replacement, please contact your point of purchase. To replace the Cooling Pad, remove the Cooling Pad Frame from the unit. Remove the old Cooling Pad from the Frame by gently easing the Pad out. In the same manner, ease the new Cooling Pad into the Frame. Be careful not to damage the Frame or the new Cooling Pad and ensure the new Cooling Pad is inserted with the correct side up.

Top of Cooling Pad Frame



Top of Cooling Pad Frame



floater imports
would like to thank you for your purchase.

For other great products from floater and a short demonstration video of the ECO AIR COOLER, please visit www.floater.ca.