



Redfern

Smart Products for Home + Health

Installation & Operation manual

Pure Breeze Air Cooler Model: iQI4-EX

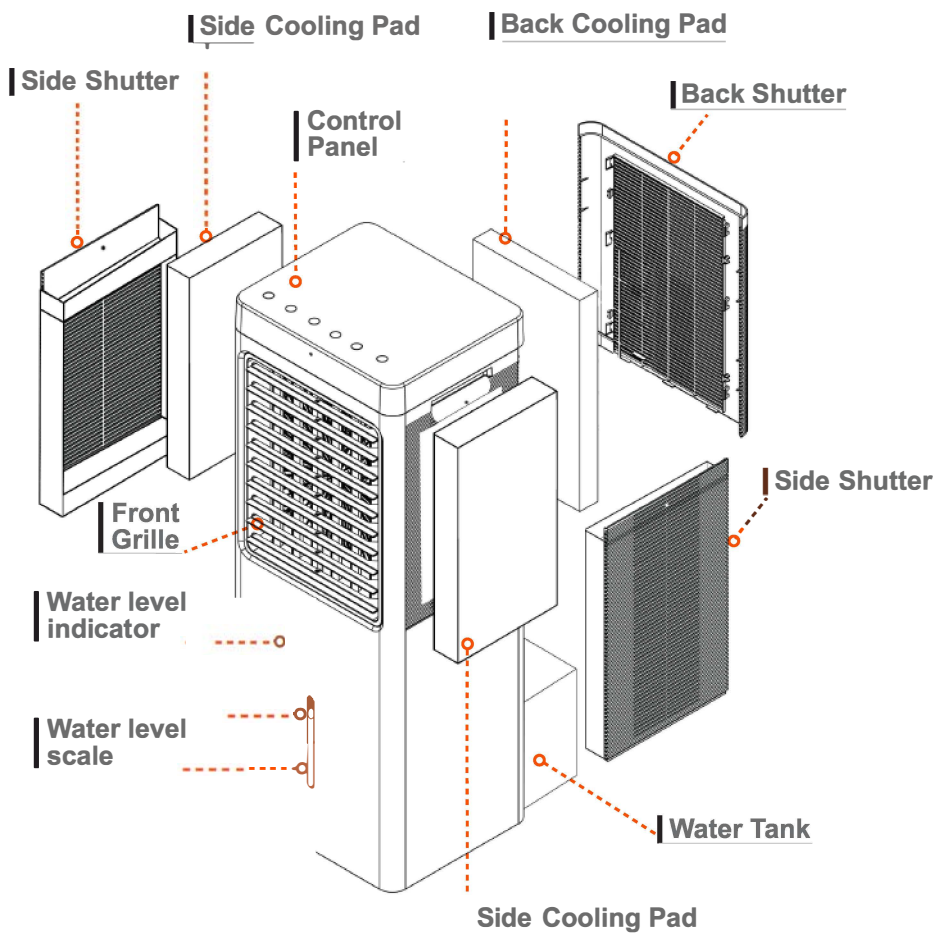


Please read this manual carefully before using the product

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1. Structure Diagram

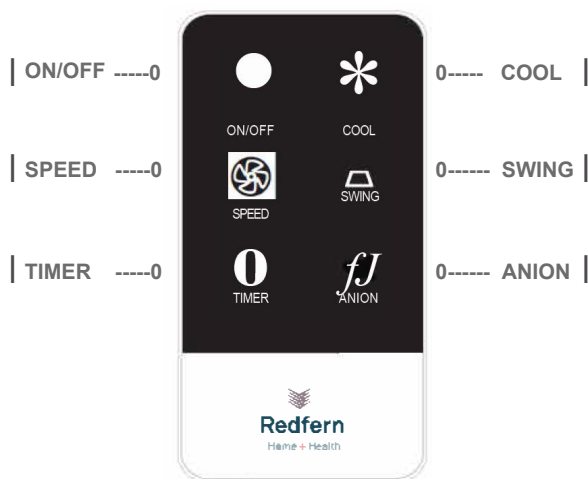


1.1 Functions



Control Panel

(Status light is illuminated 30 seconds whenever button on machine or on remote control is pressed, then status light will be dimmed)



Remote Control

2. Operating Guide

- 2.1 Avoid using the evaporative air cooler in a closed area. The unit should be used in well-ventilated areas only.
- 2.2 Before turning the unit on, fill the tank with water to ensure efficient operation of the evaporative air cooler. Avoid operating COOL function while the water tank is empty.
Remarks: Water level must not exceed the limit of water level scale
- 2.3 Drain the water tank and clean the tank frequently
- 2.4 Fill the tank with clean water only, do not put any other liquid into the tank.
- 2.5 Make sure that the operating voltage is not lower than regular voltage (120 V) or exceed than 5% of regular voltage. If the voltage is lower than the limit, the air cooler cannot be operated smoothly or even turned on. If the voltage is higher than the limit, it can cause the damage to the machine.
- 2.6 Remove the plug from the socket when the machine is not being used.

3. Cautions

- 3.1 Be careful the water spilled out while moving the unit
- 3.2 Do not put anything on top of this air cooler or obstruct the air inlet and outlet
- 3.3 Do not insert any object into the vent while the machine is operating
- 3.4 Unplug the machine before cleaning to prevent the electric shock
- 3.5 Stop operating this air cooler immediately if it functions abnormally for example the power cord is damaged, electricity leaks, and contact our service center for further instruction. User is not recommended to un-assemble and repair the machine. Doing so may void the warranty.

3.1 Ice Pack Gel

Gel Ice pack (1 piece)

To expedite the cooling performance, insert this ice pack into the water tank. The water inside the water tank will cool down faster.

Fill the bottle with water (for the first time only, you'll want to shake it to mix with the powder in the bottle)

Place it in the freezer until fully frozen

Insert it into the bottom tray of the air cooler during use

Warning:

The substance inside the Ice pack is inedible. Swallowing some of the liquid contents causes minor effects such as mouth irritation.

Remark: Gel Ice Pack is reusable.



4. Operating Instruction

4.1 Filling Water

By pulling the back water tank, then use the water container or water pipe to fill up the water tank until the orange water level indicator reach the top of water level scale

Caution: Do not fill up the water exceed the limit of water level scale to avoid the water spilling out while moving the air cooler.

4.2 How to use the functions

4.2.1 POWER

Press POWER  button on the control panel to turn on the air cooler. Press this  button again to turn it off and its Red light is illuminated.

4.2.2 SWING

Press SWING  button on the control panel or the remote control to let the vertical front grille swing automatically and its light is illuminated. Press this SWING  button again to stop the swing mode, then its light is off.

4.2.3 FAN SPEED

Press SPEED  button on the control panel or the remote control to adjust wind speeds to low (1), medium (2), high (3), speed lights (1,2,3) indicates selected current wind speed. The wind speeds change on rotating basis.

4.2.4 ANION

Press  icon on the control panel or the remote control. to turn on ANION mode, press  icon again, the system will stop ANION Function. (ANION is used for air purifier)

4.2.5 COOL

Enter the COOL mode by pressing COOL  button on the control panel or the remote control. To turn off the COOL mode, press COOL  button again, the system will automatically exit the COOL mode.

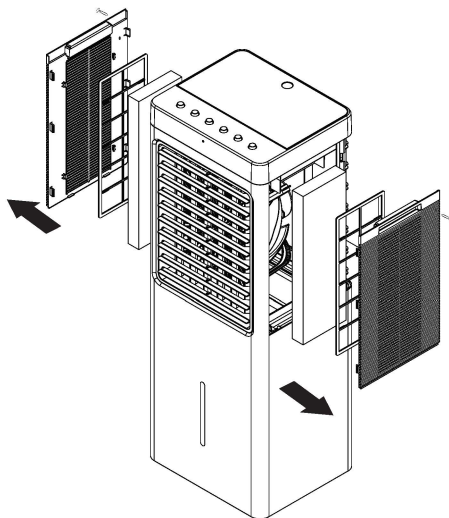
REMARKS: When the COOL mode is activated, the pump inside the water tank will pump water to saturate the cooling pads. Heat that flows through the cooling pads will exchange with the water and cool the air flowing through the cooling pads to lower the temperature. Therefore, a decrease in temperature depends on relative humidity and air temperature when the unit is in COOL mode. In the case where the fan speed is high, when the icon is pressed, the fan will drop to the lowest speed for 30 seconds before resuming the speed previously set.

4.2.6 TIMER

Press  icon on the control panel or the remote control to set the timer. Each time that the icon is pressed, it will change 1 H, 2H, 4H, 8H (The unit will be turned off automatically after 1 H, 2H, 4H, 8H)

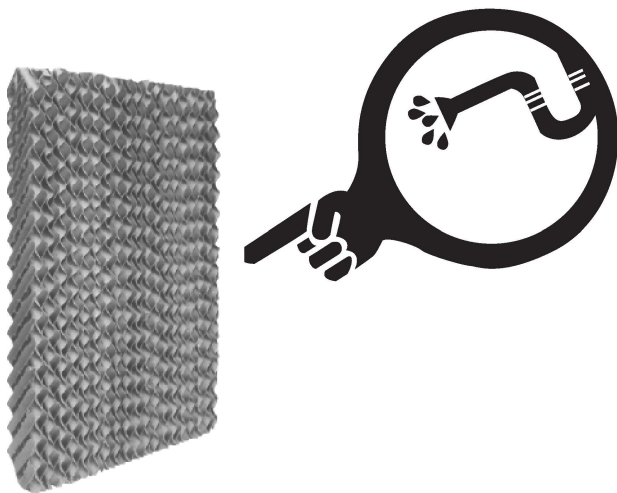
5. Cleaning, Filling and Draining

5.1 Cleaning cooling pad



Unscrew and remove the back shutter and pull the cooling pad out as above arrow.

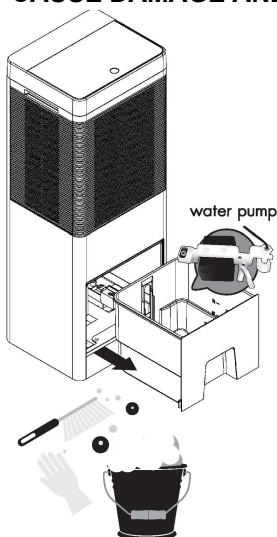
Then unscrew and remove the side shutter which the cooling pad is attached and pull the cooling pad out for cleaning.



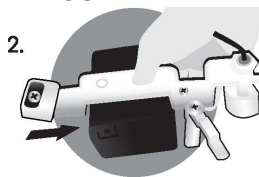
Clean the cooling pad with normal water and wipe the dirt by soft brush.

5.2 Cleaning water tank

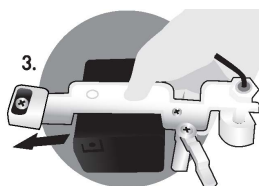
Pull out water tank as shown below (no more than halfway), clean with a soft brush or cloth, then push water tank back into the air cooler completely. **NEVER PULL THE WATER TANK OUT OF THE UNIT COMPLETELY, AS THIS WILL CAUSE DAMAGE AND DISCONNECT THE WATER HOSE.**



1.
Unlock water pump as above arrow.



2.
Pull out water pump as above arrow



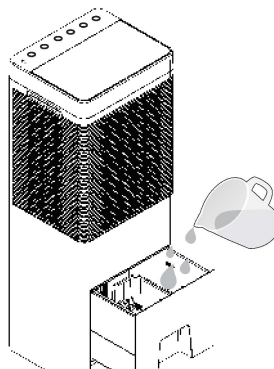
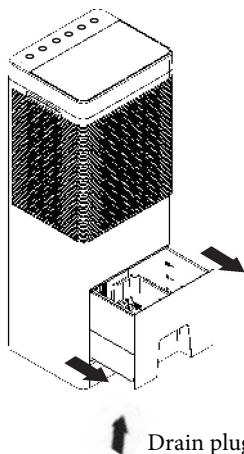
3.
Put water pump back as above arrow.



Lock water pump as above arrow.

5.3 Filling water

Pull out water tank as shown below (no more than halfway), fill up with water until the max level, then push the water tank back into the air cooler completely. **NEVER PULL THE WATER TANK OUT OF THE UNIT COMPLETELY, AS THIS WILL CAUSE DAMAGE AND DISCONNECT THE WATER HOSE.**



5.4 Draining the water

Pull out water tank as shown in left side image, no more than halfway, remove drain valve, wait until the water tank is empty, then put drain valve back in and push water tank back into the air cooler completely.

NEVER PULL THE WATER TANK OUT OF THE UNIT COMPLETELY, AS THIS WILL CAUSE DAMAGE AND DISCONNECT THE WATER HOSE.

6. Troubleshooting

iQ 14-EX				
No.	Problem	Possible cause	Corrective action	Remarks
1.	The evaporative air cooler is not functioning and does not respond when buttons are pressed.	Blackout or faulty power connection.	Measure the input voltage and connect to a designated power supply.	Recommended to use Voltage meter to get the right voltage.
		AC fuse is damaged or the circuit stops functioning in order to prevent power overload.	Replace the fuse or restart the unit.	If the problem remains unsolved, please contact Service Centre.
		Remote Control batteries have run out.	Change the batteries.	
		Remote Control or Control Panel is damaged.	Repair or replace the control panel with another of the same model.	Contact Service Center.
2.	No air flows from the unit while the machine is operating.	Damaged motor.	Repair or replace the motor with another of the same model.	Contact Service Center.
		Incorrect motor connection or loose motor connection.		Contact Service Center.
		Thermal protection inside the motor is working.	Leave the unit off until the fan motor is cool enough to be used as usual.	
3.	The pump functions but it is not cool enough.			
		The cooling pads clogged.	Clean or replace the cooling pads.	
		The cooling pads are dry or contain insufficient water while the evaporative air cooler is working.	Check the top water distribution tray to determine whether or not there is a clog. Determine if the pump is functioning correctly.	
		Excessively high relative humidity.	When the evaporative air cooler is used for a long period of time the room humidity will be very high, so the air cooler will be unable to lower temperature as much as when the room's humidity is lower. Turn the Cool mode Off, once the humidity level is lowered then you can Turn the Cool Mode back on	
4.	The pump fails to function and provide cooling.	Damaged pump.		Contact Service Center.
		Loose pump motor connection.		Contact Service Center.
5.	The pump functions but does not circulate water, or the cooling pads contain too little water.	Clogged top water distribution tray.	Clean the top water distribution tray.	
		Clogged water supply hose or pump strainer.	Clean the water hose or remove the particles clogged at the pump strainer.	
6.	Water spitting from the unit.	Cooling Pad stay out of the position.	Place Cooling Pad in the right position.	
		Clogged top water distribution tray.	Clean the top water distribution tray.	
7.	Undesirable odor.	The unit is placed in an area where undesirable odors are present, or algae are present in the water tank.	Clean the water tank and the cooling pads.	
8.	White sediments in the water tank.	Water has a high content of salt.	Drain the tank and clean the cooling pad more frequently.	

7. Technical Information

Model No.	iQ 14-EX
Air volume	1,432 m ³ /hr
Area coverage	15 m ²
Power	43 W
Current	0.36 A
Water tank capacity	23 Liter
Water continuous usage	10- 13 hour
Water evaporation rate	1.3 - 1.5 liter/hour
Fan speed	4 speed
Vent size	25 x 32 cm.
Cooling pad type	4090
Overall dimension	32 x 27 x 86 cm.
Net weight	8 kg.
Operating weight	21 kg.
Remote control	√
Direct water connection	√



1 Year Limited Warranty

This product is warranted for 1 year from the original date of purchase, against defects in materials and/or workmanship when utilized for normal household use. During this period if the unit is proved defective it will be repaired or replaced at the discretion of the service technician.

The unit shall be returned, by original purchaser, freight prepaid with proof of original purchase date and \$39.99 return shipping/handling charges included. Redfern Enterprises does not accept C.O.D.'s and will not reimburse for any fees associated with the return or shipping of the item.

This warranty does not apply to any defect arising from a buyers misuse, negligence, failure to follow instructions, use on current or voltage other than that stamped on the unit or repairs not authorized by a Redfern Ent. technician will null and void the warranty.

If you believe that your product is defective, contact Redfern Enterprises Customer Services Department:

CANADA
101-127 Commercial Drive,
Calgary, AB T3Z 2A7
TF: 1-877-387-7770 (Toll Free)
info@redferment.com www.redferment.com

UNITED STATES
4168 N North Pecos Road, Ste 102
Las Vegas, Nevada, 89115
1-877-462-5757 ext. 1 (Toll Free)
infous@redferment.com www.redfermentus.com

Obtain a repair authorization number (RA Number) and bring in or send prepaid to the Service Center with proof of original purchase date, and prepaid return shipping of \$39.99. See contact info above for RA Number.