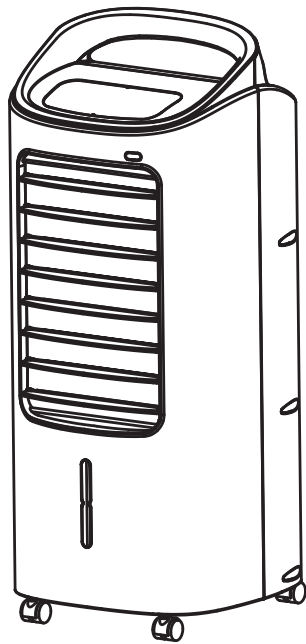


challenge[®]

**Air Cooler
Instruction Manual
Model No.: AC100-R**



READ AND SAVE THESE INSTRUCTIONS

CONTENTS

1. SAFETY INSTRUCTION	3
2. PARTS LIST	7
3. PLACEMENT	8
4. CONTROL PANEL AND SETTINGS	9
5. USER TIPS FOR AIR COOLER	10
6. MAINTENANCE	11
7. CLEANING THE HONEYCOMB	12
8. STORAGE	13
9. TROUBLE SHOOTING	14
10. CONNECTION TO POWER	15

Safety Instruction

- Non-specialized personnel or unauthorized repair personnel shall not repair or modify the machine.
- It is forbidden to operate with wet hands to avoid electric shock.
- Any power cord, which suffers from aging and knotting and whose plug is damaged, should be stopped its use immediately, and must be repaired by a professional manufacturer or equally qualified personnel.
- No cleaning, maintenance or movement of the unit is allowed if it does not switch off.
- If the unit is not in use for a long time, unplug the power cord.
- To prevent accidental injury or damage to the unit, please do not insert any foreign matter into the air inlet and outlet, because the unit incorporates a high-speed wind rotor,
- It is prohibited to use this unit in environments with flammable and explosive gases and direct sunlight for a long period shall be avoided.
- Do not place this unit in an inclined or other uneven place to prevent the unit from falling and causing damage to the unit or internal parts.
- This machine is suitable for indoor use instead of outdoor use.
- This machine has a safety switch. If the honeycomb filter support has not been installed well, the unit will not work as usual; when the machine is working, do not remove the honeycomb filter frame.
- At any time the water level in the tank shall not exceed "MAX" (maximum) scale, and during humidification, the total water level in the tank shall be controlled, and shall not be below "MIN" (minimum) scale.
- After the water tank is filled with water, do not tilt or collide with the unit when placing or moving it. To move the unit body, please drive it slowly from the side to prevent water overflow.
- In using the unit, prohibit overturning to avoid any accident. If the unit topples over accidentally, and it contains water, unplug the power cord immediately and take it to repair store.

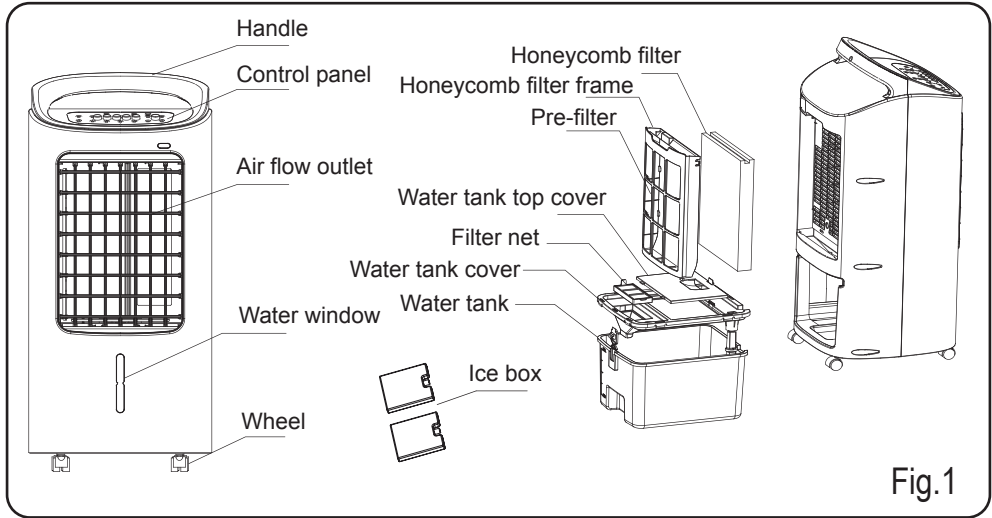
- Do not place items on the unit, and covering the outlet is strictly prohibited.
- When wash the unit appearance, apply a damp cloth (or add a little cleaning agent) to wipe, and never use corrosive cleaning agent or solvent for cleaning. Never rinse the unit with water.
- Do not have the air inlet and outlet of the unit close to walls, curtains and other objects, or they may block the airflow and affect air supply.
- When the unit is running, do not knock at or shock the unit body forcibly or it may lead to automatic shutdown, in which case simply restart the unit.
- In summer, the water in the tank may easily deteriorate and generate odor, please pay attention to regular change of water; if the indoor temperature is below zero in winter humidification, it is best to use warm water for humidification.
- Do not place the unit directly below the power outlet.
- Do not use the unit around the tub, sprinkler or swimming pool.
- Product repair must be carried out in a designated agency.
- If the supply cord is damaged, it must be replaced by manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- Indoor use only.
- To protect against the risk of electrical shock, do not immerse the unit, cord or plug in water or other liquid.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

- When the appliance is not in use and before cleaning, unplug the appliance from the outlet.
- Keep electrical appliances out of reach from Children or infirm persons. Do not let them use the appliances without supervision.
- Unplug the appliance during filling and cleaning.
- Prior to cleaning or other maintenance, the appliance must be disconnected from the supply mains.
- Use a soft cloth moisten with mild soap, and then use a dry cloth to wipe it again.
- Carefully read the instructions before operating the unit.
- Rating: This unit must be only connected to a 220-240 V / 50 Hz earthed outlet.
- Installation must be in accordance with regulations of the country where the unit is used.
- If you are in any doubt about the suitability of your electrical supply have it checked and, if necessary, modified by a qualified electrician.
- Disconnect the power plug from socket before changing filters, dismantling, assembling or cleaning.
- Avoid touching any moving parts of the appliance.
- Never insert fingers, pencils or any other objects through the guard.
- Never connect the unit to an electrical outlet using an extension cord. If an outlet is not available, one should be installed by a qualified electrician.
- A damaged supply cord should be replaced by the manufacturer or a qualified electrician in order to avoid a hazard.
- Any service other than regular cleaning or filter replacement should be performed by an authorized service representative. Failure to comply could result in a voided warranty.
- Do not use the appliance for any other purposes than its intended use.
- Never use the mains plug as a switch to start and turn off the air unit.

Use the provided Off switch located on the control panel.

- Always place the unit on a dry and stable surface. Do not move or tilt the unit while water tanks is full.
- The appliance should not be installed in laundry or wet rooms.
- Avoid keeping the unit in direct sunlight for a long period of time.

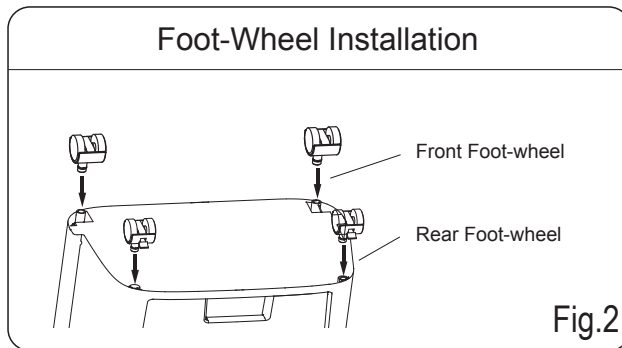
PARTS LIST



INSTALLATION

This unit can easily be moved from one room to another. While moving the unit please note that it must always be kept upright and then placed on an even surface.

Remove any packaging - keeping the air cooler in a vertical position. Make sure all parts are present and unit is assembled correctly - including the castor wheels (these need to be pushed into place on the base of the unit)



PLACEMENT

To maximize efficiency, position the Air Cooler according to the following guidelines:

Place the cooler in front of an open door or window. Ensure that there is adequate cross-ventilation in the room by leaving a door or window open opposite the cooler.

The air cooler should not be used in enclosed spaces. It must be kept level and there must be openings to allow free air flow. The air cooler works best when placed near to an open window, so that outside air is drawn into the air cooler, circulates in the room, then exits via the flow of air coming out of the air cooler. The maximum cooling effect is felt when a person is near the flow of air coming out of the air cooler. The air cooler produces moisture and can be used to humidify dry air. To be used for humidification the windows and doors should be closed.

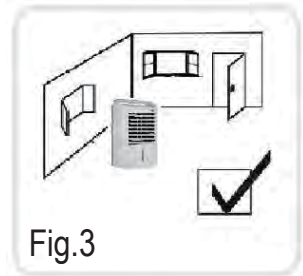


Fig.3

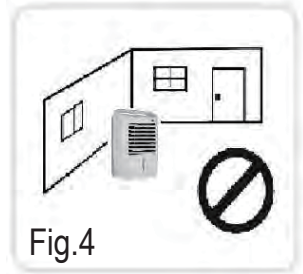
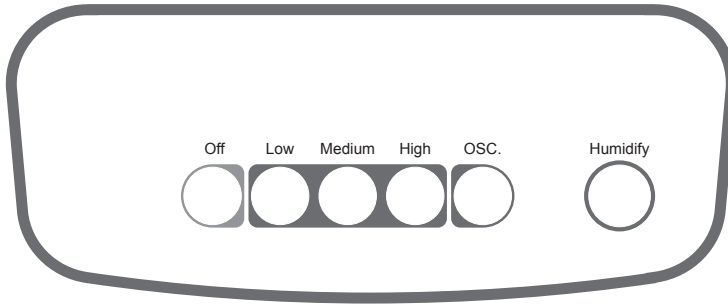


Fig.4

CONTROL PANEL AND SETTINGS

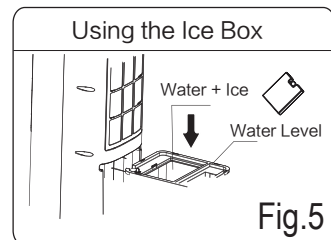


1. **Off:** To turn off the unit, press the off button once.
2. **Low / Medium / High:** Press one of the fan speed button to turn on the air cooler. To change the fan speed, press desired fan speed button.
3. **OSC:** Press this button to start the oscillation function. Press it again to turn off oscillation.
4. **Humidify:** Press this button to turn on the humidifying function. Press it again to switch it off.
5. **Cool mode :** To put the frozen ice pack into the water in the water tank. Turn the humidification function on. The product will blow out the cool humid air to produce the cooling effect.
6. **Fan mode :** Turn on the unit and select the desired fan speed. No water has been added to the water tank.

Ice Pack: The ice pack can absorb any heat in the water, lowering the temperature and improving the overall cooling effect. You can use either use the ice pack that has been chilled in the freezer for 8 hours or simply use ice cubes.

Before turn on the appliance:

Water tank: Pull the water tank out from the body of the unit and pour water into the water tank; ensuring not to fill above the MAX level (5L).



During the operation:

- When humidifying, the water level must not be lower than the MIN water line. If you want to increase the cooling effect, you can put ice or the charged ice packs into the water tank, but be sure that by adding ice or icepacks the water level does not go over the MAX limit. Empty some water if necessary.

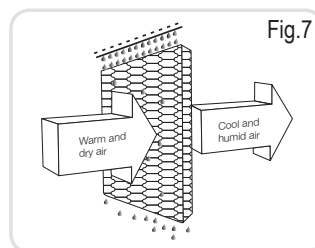
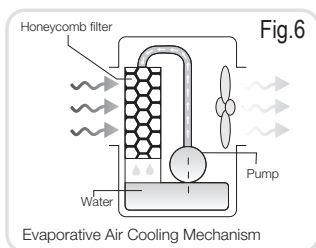
Make sure filter frame is properly inserted at the back of the unit

- Note: If you want to remove the water tank, please turn off the unit and wait for 2 minutes. It is to let the water inside the honeycomb to go down to the tank before remove the tank from the unit. Otherwise, the water in the honeycomb will drop down to the slot for putting the tank.
- Once the water level goes below the minimum level, the device inside the tank will be triggered and the unit will beep three times. Stop the unit and pull out the water tank. Add the water to max. level and replace the tank to the unit. Then restart the unit under cool mode.

USER TIPS FOR AIR COOLER

What is Evaporative Cooling?

Air Coolers are built to maximize energy efficiency and keep energy costs low. Warm air is drawn into the cooler and enters the Honeycomb filter. Water pumped from the water tank pours over the Honeycomb filter frame. As the warm air passes through the Honeycomb filter frame, the water absorbs the heat, naturally cooling and humidifying the air. A fan propels the cooled air out into the room. This no-compressor system cools naturally, efficiently and inexpensively.



The recommended maximum relative humidity level is 60% or less, which allows a noticeable temperature decrease. The temperature will be lower in drier climates because higher evaporation occurs when the humidity is low.

NOTE : When the product is used for the first time the filter frame may have an odor which will dissipate in a few hours or so of initial use.

MAINTENANCE

Cleaning

ATTENTION: Please shut off the unit and unplug from the mains before cleaning or performing any maintenance.

Cleaning the surface

Clean the plastic housing with a duster or a soft wet cloth.

Do not use chemical solvents (such as benzene, alcohol or gasoline) as they may cause irreversible damage. Make sure no water enters the control panel.

Cleaning the water tank

Unplug the power cord, remove the honeycomb filter bracket, and then remove the water tank.

With a cloth (dipped in a mild detergent), wipe the water tank, rinse it with water, and then carefully place it back in the unit.

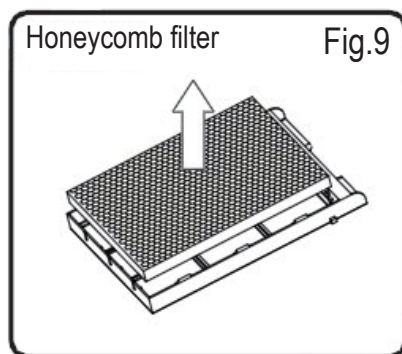
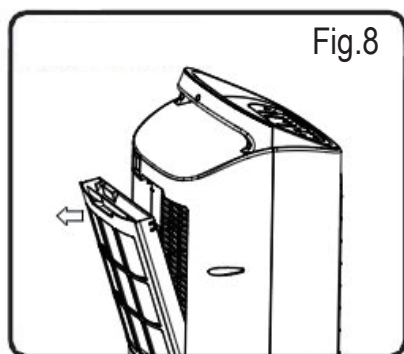
Draining the water reservoir and refilling with fresh water at least once a week will help reduce any mineral deposits and keep the filters clean.

Do not run the unit in Humidify mode with stale water in the tank.

We recommend emptying the tank and refilling it with fresh water if water has been standing in the tank for an extended period of time.

CLEANING THE HONEYCOMB FILTER

- The appliance is supplied with a Honeycomb filter.
- The Honeycomb filter are located inside the Rear grille. See Fig 9 for instructions on how to remove them from the unit for cleaning and maintenance.
- Do not run the unit in COOL mode with stale water in the tank. You must empty the water tank and refill with fresh water, especially if the tank has not been cleaned in a long time.
- The cleaning frequency for the Honeycomb filter depends on local air and water conditions. In areas where the mineral content of water is high, mineral deposits may build up on the Honeycomb filter and restrict air flow. Draining the water tank and refilling with fresh water at least once a week will help reduce mineral deposits. If mineral deposits remain on the Honeycomb filter, the Honeycomb filter should be removed and washed under fresh water. The Honeycomb filter should be cleaned every two months or sooner, depending on your needs.
- For best results allow the Honeycomb filter to dry after each use by turning off the cool mode 15 minutes before turning the unit off.



Removing the Honeycomb filter:

1. Carefully pull out the rear grille from the cooler.
2. Slide out the Honeycomb filter and clean with water.
3. Replace or clean Honeycomb filter with water and a damp cloth as needed.

WARNING: DO NOT operate the Air Cooler when the Rear grille is removed from the Air Cooler, or if there is a loose-fitting Rear grille. Doing so can cause serious injury or dangerous electrical shock.

STORAGE

If the Air Cooler will not be used for a long time:

- Make sure all parts are dry by running the Fan mode for about 30 minutes before storing (time depends on ambient humidity conditions).
- Switch OFF the Air Cooler and unplug from the power supply.
- Empty all the water from the tank.
- Clean the water tank with a damp cloth to wipe away any dust or mineral deposits.
- Remove the Honeycomb filter frame from the Air Cooler and rinse under fresh water to remove dust and dirt.
- Replace the Honeycomb filter frame after they are clean and dry.
- To protect the unit from dust and scratches, cover with a clean cloth or plastic bag before storing.
- Coil the power cord and store it away from the floor to protect it.

TROUBLE SHOOTING

Do not repair or disassemble the unit by yourself, unauthorized repair attempts will invalidate the warranty and may cause bodily harm.

Issue	Possible Reason	Solution
No power	<ol style="list-style-type: none">1. Power cord is unconnected2. The fan speed button is not pressed.	<ol style="list-style-type: none">1. Connect the power cord2. Press the one of the fan speed button.
No dust elimination	<ol style="list-style-type: none">1. The honeycomb filter is blocked.2. The air inlet is blocked.	<ol style="list-style-type: none">1. Remove the honeycomb filter and clean it.2. Remove the obstruction.
Odour emission from unit	<ol style="list-style-type: none">1. New unit. When the unit is used for the first time, the Honeycomb filter will have an odour, which will dissipate within a week of use2. Honeycomb filter may have developed mold or bacterial growth.	<ol style="list-style-type: none">1. No action required2. Clean the filter pads with mild antibacterial solution. Dry before use.

If the above solutions do not resolve the problem please contact the service centre.

Technical specification

Model no.	AC100-R
Operating voltage	220-240V~ 50Hz
Rated input	50W
Class protection	Class II
Water tank (max. mark level)	5L
Air flow	5m ³ /min
Noise	55-62dB
Net weight	6.73kg
Dimension	300mmx302mmx704mm
Recommended Room Size	25-35m ²

CONNECTION TO POWER

Before switching on make sure that the voltage of your electricity supply is the same as that indicated on the rating plate

MAIN CORD

This appliance may be fitted with a non-rewireable plug.

If it is necessary to change the fuse in a non-rewireable plug the fuse cover must be refitted. If the fuse cover is lost or damaged, the plug must not be used until a replacement is obtained.

It is important that the color of the replacement fuse cover corresponds with the colour marking on the base of the plug.

If the plug has to be changed because it is not suitable for your socket, or becomes damaged, it should be cut off and an appropriate plug fitted following the wiring instructions below.

The plug removed must be disposed of safely as insertion into a 13A socket is likely to cause an electrical hazard.

For your own safety read the following instructions carefully before attempting to connect this unit to mains.

The wires in this mains lead are coloured in accordance with the following code:

BLUE = NEUTRAL

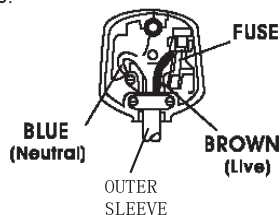
BROWN = LIVE

IMPORTANT

As the colours of the wire in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as following:-

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red. No connection is to be made to the earth terminal of the plug.

If a 13 Amps (BS 1363) plug is used, it must be fitted with a 3 Amp Fuse conforming to BS1362 and be ASTA approved. If in doubt consult a qualified electrician who will be pleased to do this for you.



CORRECT DISPOSAL OF THIS PRODUCT



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

Technical Specifications(ERP)

Description	Symbol	Value	Unit
Model no.	--	AC100-R	--
Maximum fan flow rate	F	24,52	m ³ /min
Fan power input	P	49,30	W
Service value	SV	0,50	(m ³ /min)/W
Standby power consumption	P _{SB}	0,15	W
Off power consumption	P _{OFF}	-	W
Fan sound power level	L _{WA}	57,87	dB(A)
Maximum air velocity	c	4,02	meters/sec
seasonal electricity consumption	Q	15,94	kWh/a
Measurement standard for service value	IEC 60879: 1986 (corr.1992)		
Contact details for obtaining more information	Customer helpline 0345 640 0800		



PRODUCT GUARANTEE

This product is guaranteed against manufacturing defects for a period of



Year

This product is guaranteed for twelve months from the date of original purchase.

Any defect that arises due to faulty materials or workmanship will either be replaced, refunded or repaired free of charge where possible during this period by the dealer from whom you purchased the unit.

The guarantee is subject to the following provisions:

- The guarantee does not cover accidental damage, misuse, cabinet parts, knobs or consumable items.
- The product must be correctly installed and operated in accordance with the instructions contained in this manual. A replacement copy of this instruction manual can be obtained from www.argos-support.co.uk
- It must be used solely for domestic purpose.
- The guarantee will be rendered invalid if the product is re-sold or has been damaged by inexpert repair.
- Specifications are subject to change without notice.
- The manufacturer disclaims any liability for the incidental or consequential damages.
- The guarantee is in addition to, and does not diminish your statutory or legal rights.

Guarantor: Argos Ltd
489 - 499 Avebury Boulevard
Central Milton Keynes
MK9 2NW

www.argos-support.co.uk