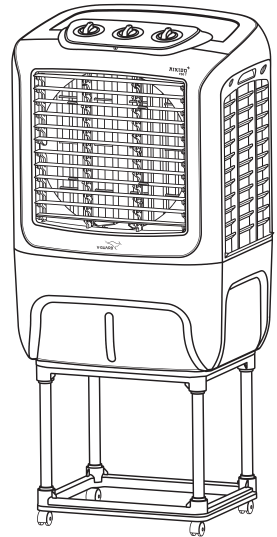
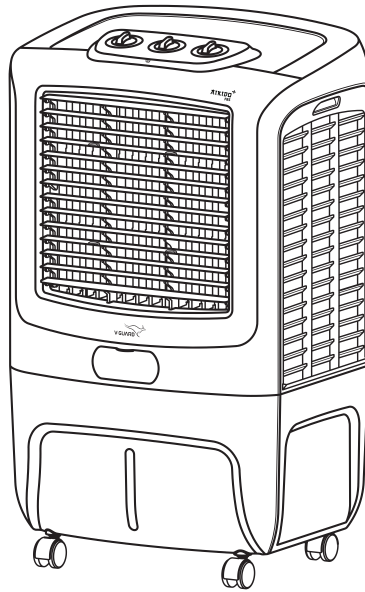
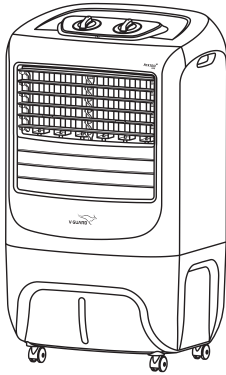


USER MANUAL



* 3 year warranty on motor & pump ** In selected models only

AIR COOLER **AIKIDO⁺ SERIES**

Long lasting cooling

**HIGHER TANK
CAPACITY**

UPTO 40%^{**} MORE THICKER
**HONEYCOMB
COOLING PADS**

Dear Customer,

Congratulations!! for being the proud owner of a V Guard Air Coolers. You have made an excellent choice and we hope you will enjoy all its specialities. This product comes to you from a company committed to total quality and dedicated to customer delight since 1977. Every V Guard Air Cooler is brought to you after an exhaustive and thorough series of testing procedures those cover every aspect of its functioning, performance and efficiency under varied operating conditions.

TECHNICAL SPECIFICATIONS

Model Series	Desert Series	Room Cooler		Personal Cooler
Model Name	AIKIDO ⁺ F85 /AIKIDO ⁺ F70	AIKIDO ⁺ F50T	AIKIDO ⁺ F30T	AIKIDO ⁺ B25
Supply Voltage	230V,50Hz AC	230V,50Hz AC	230V,50Hz AC	230V,50Hz AC
Power Consumption in Watts	190	180	135	120
Speed Levels	3	3	3	3
Air Deflection	4 way	4 way	4 way	4 way
Water Tank Capacity up to brim in Liters	85 / 70	50	30	25
Air Delivery in m ³ /h #	4000	3000	2600	-
Room Size (Sqft).##	450-480	300-354	250-310	-
Cooling Media	Cellulose Honeycomb Pads	Cellulose Honeycomb Pads	Cellulose Honeycomb Pads	Cellulose Honeycomb Pads
Dimensions (W x D x H) cm	68 x 52.4 x 110 / 68 x 52.4 x 104.1	56.5 x 47 x 80.6 / 56.5 x 47 x 120.2	56.5 x 47 x 70.6 / 56.5 x 47 x 110.2	46 x 37 x 78.1

##Standard height of room (H) is 10'. Total air Volume in the room that gets delivered every 2 minutes. #Air delivery is mentioned in cubic meter per hour.

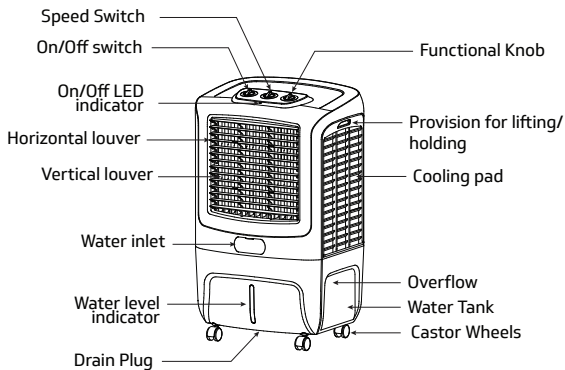
- Safety : Earthing is provided.
- Note : All above mentioned Specifications are under standard test conditions & actual performance may vary as per usage conditions.
- : Design, Specifications & Aesthetics are subject to change without prior notice due to continuous development.
- : Don't use hard water or soap water, which may result in the low performance of the main motor/pump. We recommended to use clean water only.

COOLER FEATURES

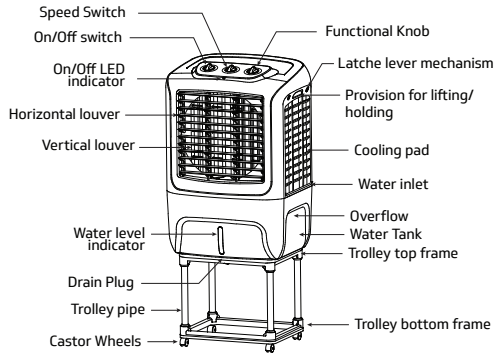
- **Aerodynamically balanced body**
Provides stability to the product & sturdiness.
- **Tetra air flow cooling**
For equilateral cool air flow to all directions & for more area of coverage (Function of louvers)
- **Himalayan pine wood wool cooling pads** (In select models only)
For enhanced cooling effect.
- **Thicker honeycomb pads** (In select models only)
Long lasting & anti fungal cellulose Honeycomb cooling pads.
- **Unidrip flow water distribution**
To ensure proper wetting of cooling pads by uniform water distribution.
- **Best-in-class air delivery**
To feel the blast of cool air up to the extreme end of room
- **Wide voltage working range** (160V ~ 270V)
Product even runs on extreme input voltage conditions in Urban & rural areas.
- **Corrosion resistant fan blades / blowers**
To avoid rusting of fan blades, which will lead to unnecessary service calls.
- **Enhanced protection for main motor & pump**
Safeguard provision against extreme usage conditions & malfunctioning.
- **Works on inverters**
Ensures working of product on Inverter
- **Fully closable louver**
Arrest the entry of foreign particles and insects
- **Power cord winding provision**
Helps to avoid damage to power cord and allows the gentle use of the same
- **Water level indicator**
To show water level in tank
- **Overflow Provision**
Avoids overfilling of air cooler water tank.
- **Free wheeling castors**
The cooler is mounted on castors, which makes it convenient to wheel around from one place to another, even a child can move it around.
- **Trolley Available** (In select models only)
For easy portability.

KNOW YOUR V-GUARD AIR COOLER

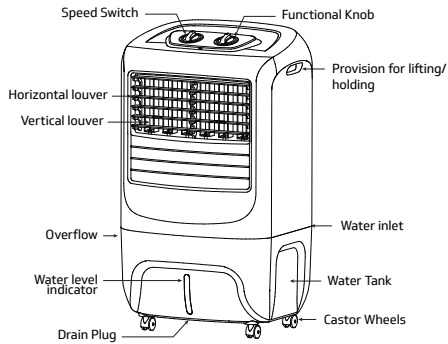
AIKIDO⁺ F85/
AIKIDO⁺ F70



AIKIDO⁺ F50T/ F30T

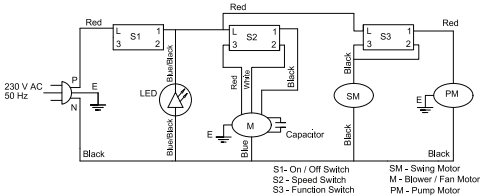


AIKIDO⁺ B25

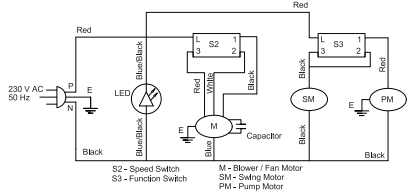


WIRING DIAGRAM

AIKIDO⁺ DESERT & ROOM SERIES (AIKIDO⁺ F85 / F70 / F50T / F30T)



AIKIDO⁺ PERSONAL (AIKIDO⁺ B25)



APPLICATION

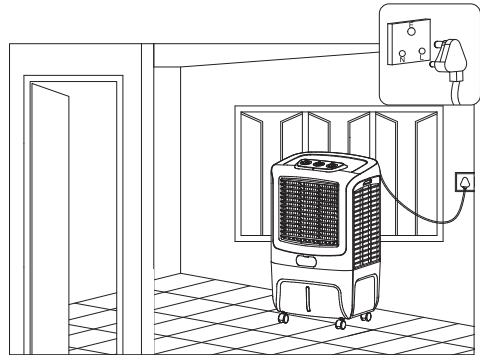
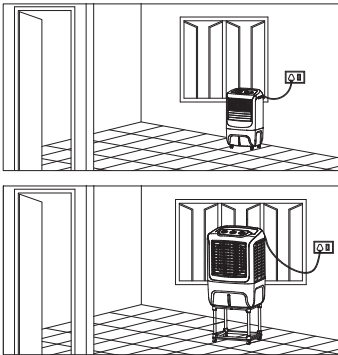
The Air cooler has been designed for placing on ground/floor inside the room. You can enjoy the comfort, it provides where you need it most. Some of the applications to which V GUARD AIR COOLER can be adapted are.

Living Room • Dining Room • Offices • Restaurants • Bed Room • Kitchens • Clinics • Study Room • Shops • Balcony • Hotel Rooms

In fact, the applications of your V-GUARD AIR COOLER are limitless

INSTALLATION

1. Air Cooler should be operated on a flat surface. Try and avoid placing it on inclined or irregular surfaces for better performance.
2. Place the Air Cooler at least 10 cm away from the wall or any other obstruction. The cooler should be placed near a window /door to allow in Fresh air.
3. Always ensure that there is another open window / door through which warm air can exhaust from the room. Cross Ventilation is essential for getting the best results from your Air Cooler.
4. Plug in the mains cord of your Cooler to a wall socket. The Air cooler should be connected through shock protection devices, like ELCB and short circuit protection device like MCB.
5. While plug in the mains cord please ensure that phase (L) & neutral (N) of the mains cord should match with the phase and neutral of the socket as per standard.



OPERATIONS

1. Install the Cooler as per Installation procedure.

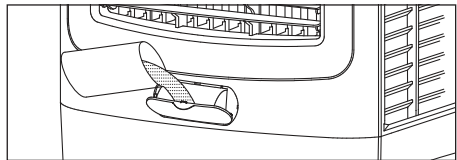
2. Filling of Water:

Just fill water tank (as per tank capacity) of your air cooler through the water inlet port. The water level indicator will show the water level in the tank. Don't fill the the water above tank capacity, if so overflow provision is provided. It is advisable to use tumbler to fill the water to ensure no spillage (Ensure the power point is OFF while filling water).

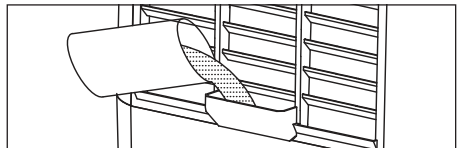
3. Power Supply:

Ensure that your Air cooler is plugged into specified Voltage & Frequency outlet only. Also ensure proper earthing of power point. Switch 'ON' the power supply.

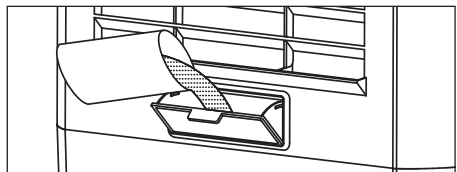
WATER POURING - AIKIDO⁺ F85 / F70



WATER POURING - AIKIDO⁺ F50T / F30T



WATER POURING - AIKIDO⁺ B25

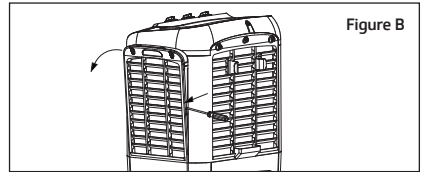
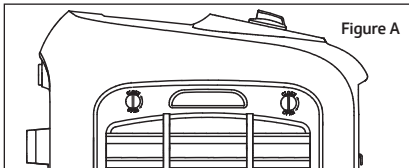


4. Pre-Soaking:

Before turning ON Cooler fan, it is advisable to run pump for few minutes by rotating FUNCTION Knob "COOL/PUMP" mode, this will ensure uniform soaking of cooling pad & avoid sprinkling of water if any. Also, 2-3 drain cycles to be carried out on purchase of the air cooler to eliminate smell of honeycomb pads.

5. Panel removal / fixing:

- A. Back panel - Remove the three thumb screws on back panel to separate the panel from cooler. While fixing the back panel, position bottom side first and fix the thumb screws.
- B. Side panel - Bring the screw latch slots provided on side panel to unlock position with the help of screw driver / coin (Ref. Fig. A). Then remove the snaps of side panel carefully using the screw driver (Ref. Fig. B). Push the side panel assembly from inside for easy removal. While fixing the side panels, position the bottom side first and push it towards the desired position. Keep the screw latches in the lock position after use.



6. Better Performance:

For better air blast run the cooler on high speed. Run the cooler on low speed to get better cooling & low noise level.

7. Controls:

- A. Set the power knob to ON position (Wherever applicable) to power ON the air cooler.
- B. Set the SPEED Knob to desired level viz. WINDY, GENTLE, QUIET (i.e. High, med, low) of air delivery. If you want to use the cooler in the COOL mode; Set the FUNCTION Knob to COOL/SWING position to obtain continuous horizontal oscillation of air.
- C. If you need a focused blast of cool air, wait for the blast to focus in the direction you desire and then turn the FUNCTION Knob to COOL position.
- D. When you want to use the cooler in FAN mode; set the FUNCTION Knob to SWING position to obtain continuous horizontal oscillation of air. If you need a focused blast of cool air, wait for the blast to focus in direction you desire and then turn the FUNCTION Knob to COOL position.

SAFETY PRECAUTIONS

- Always disconnect mains supply before filling water.
- Do not fill the water beyond over flow level.
- Do not try to fill the water into the cooler while in operation.
- Do not move the cooler rapidly when there is water in the tank.
- Always disconnect mains before opening cooling pads and panels.
- Be particular & careful when using the cooler near curtains. Keep safe distance from the curtains.
- Company is not responsible if any shock / injury occurred in case the Air Cooler is not connected through shock protection device like ELCB.
- Children must not be allowed to operate / play with cooler.
- An alternating current (AC supply) has the potential to induce an EMF in the motor casing. So, it's very important to ground the case with earthing via power cord.

OPERATIONAL CARE AND REGULAR MAINTENANCE

Operational Care

- When your Air Cooler is not in operation, make sure to switch all the switches to OFF position.
- Operate the Knobs gently.
- Close the water inlet of the air cooler after filling the water.
- Close the fully closable horizontal louver when the air cooler is not in operation.
- Do not wipe the cooler with harsh chemicals, scrubbing powder or thinner as they will damage the body.
- Do not keep heavy load on the top of your Air Cooler.
- Do not add any bleaching agents into the water in the tank.
- Before moving or relocating the cooler, ensure mains cord is unplugged and water Tank is empty.
- Do not immerse the unit in water.
- Do not use any cleaning chemicals such as detergents and abrasives.

Regular Maintenance

Periodic maintenance helps to keep your Air cooler in good condition.

- It is recommended to drain the Cooler and clean the cooling pads every month.
- Replace the HONEYCOMB PAD once in two / three years & replace the cooler pad once a year in case of WOOD WOOL.
- After the summer season, ensure that water is drained off completely & pads are dried before storage.

TROUBLE SHOOTING

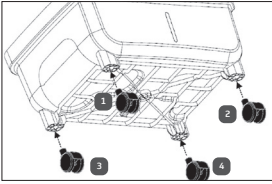
If Air cooler fails to operate, please check the following before calling for service.

Problem	Possible Cause	Solution
Air Cooler fails to operate/ No discharge of air	Power cord is not plugged in	Make sure that the power cord is plugged in & the supply switch is "ON".
	Power is not "ON"	Try to turn the unit ON by rotating the Speed Knob.
		Check electrical supply at power point and control panel.
	Speed switch is at OFF position	Ensure speed position is not in OFF.
	Motor faulty	Contact service centre
Not cooling/ Unit is making noise	Low or No water in tank	Refill water tank as per water level and tank capacity.
	Pump is not turning ON	Turn ON cool/pump function from control panel.
Odour from cooler	When the cooler is new	Cooling media will have an odour which will dissipate within a week of initial use.
	If the cooler has been used, there may be an algae issue	Replace water in the tank. Clean the cooling pad.

GUIDELINES TO ASSEMBLE THE CASTER WHEELS IN AIR COOLER

एयर कूलर में कैस्टर व्हील फिट करने के लिए दिशानिर्देश |

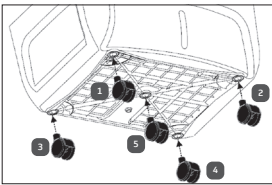
MODELS WITH 4 NUMBER OF WHEELS



Wheel Fitment Sequence
(Facing Tank Lens)

1. Front Left
2. Front Right
3. Back Left
4. Back Right

MODELS WITH 5 NUMBER OF WHEELS



Wheel Fitment Sequence
(Facing Tank Lens)

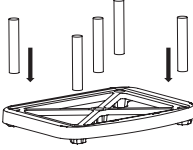
1. Front Left
2. Front Right
3. Back Left
4. Back Right
5. Tank Centre

- Press fit caster wheels into the wheel fitment holes provided on the tank as shown.
पहियों को दिखाए गए चित्र के अनुसार टैंक के व्हील फिटमेंट होल में दबाकर बिठाना है।
- There is a possibility of the tank breaking and bending due to incorrect wheel fitment and not installing the middle wheel. It is mandatory to use centre wheel in air cooler with 5 no's wheels, with the other four wheels.
पहियों के गलत फिटमेंट और बिच वाला व्हील नहीं लगाने पर टैंकी टूटने का और झुकना की संभावना होती है। 5 पहियों की संख्या वाले एयर कूलर में, बिच वाला पहिया अन्य चार पहियों के साथ लगाया जाना जरूरी है।
- Do not move the cooler rapidly when there is water in the tank.
टैंकी में पानी होने पर कूलर को तेजी से न चलाए।

GUIDELINES TO ASSEMBLE THE AIRWAGON STAND

एयर वैगन स्टैंड असेंबल करने के दिशा-निर्देश

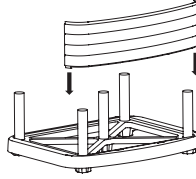
STEP 1



Take the bottom frame and five pillars out of the box. Press the pillars into the fitment holes on top of the frame, as shown in the image.

बॉक्स से नीचे का फ्रेम और पांच खंभे निकालें। खंभों को फ्रेम के ऊपर फिटमेंट होल में दबाएँ, जैसा चित्र में दिखाया गया है।

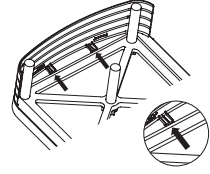
STEP 2



Take the cover part and align the bottom portion of the cover with the bottom frame.

कवर वाला हिस्सा लें और कवर के निचले हिस्से को नीचे के फ्रेम एलाइन करें।

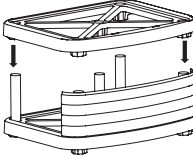
STEP 3



Make sure the cover is snapped properly with the bottom frame.

सुनिश्चित करें कि कवर नीचे के फ्रेम से ठीक से जुड़ा हुआ है।

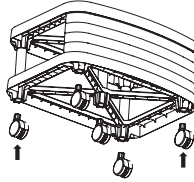
STEP 4



Take out the top frame and align it with the 5 pillars. Fix the top frame on the pillars as shown in the image.

ऊपरी फ्रेम बाहर निकालें और इसे 5 खंभों से एलाइन करें। चित्र में दिखाए अनुसार खंभों पर ऊपरी फ्रेम पर लगाएँ।

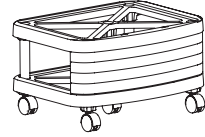
STEP 5



Press fit castor wheels into the wheel fitment holes provided on the bottom frame. It is mandatory to use 5 no's wheels with Air Wagon stand.

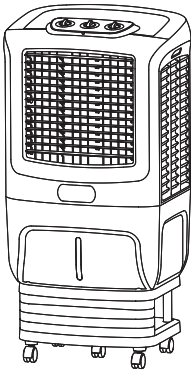
नीचे के फ्रेम पर दिए गए व्हील फिटमेंट होल में फिट कास्टर पहिए दबाएँ। एयर वैगन स्टैंड के साथ 5 पहियों का उपयोग अनिवार्य है।

STEP 6



Make sure all the fittings on both frames are tight. Avoid rapid movement of trolley when the tank is completely filled.

सुनिश्चित करें कि दोनों फ्रेमों पर सभी फिटिंग कसी हुई है। जब टैंक पूरी तरह से भर जाए तो ट्रॉली को तेजी से न हिलाएँ।



Note: Castor wheel for the stand will be available with the Air cooler main package.



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www.vguard.in



SCAN TO AVAIL THE
**DIGITAL
WARRANTY**
BY REGISTERING YOUR
PRODUCT ONLINE



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