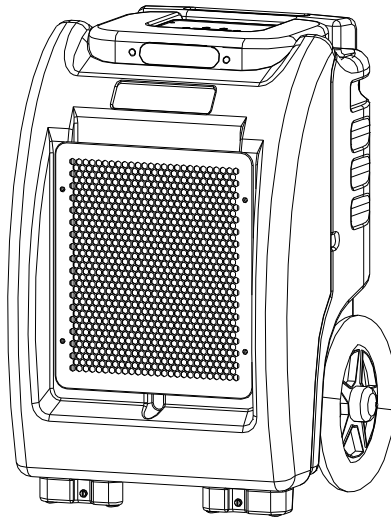




COMMERCIAL DEHUMIDIFIER

MODEL: CFW 80L



INSTRUCTION MANUAL

**SAVE THESE INSTRUCTIONS FOR
FUTURE REFERENCE**

GENERAL INFORMATION

Packaging

Please DO NOT dispose of any packaging until you have checked the appliance is operational.

After removing the packaging ensure the contents are intact and complete. In the unlikely event of missing parts; contact your retailer.

DO NOT leave children unattended with any of the packaging since it is a potential source of danger. Disposal of all packaging must be carried out responsibly & safely and in accordance you're your local authority regulations.

ALWAYS recycle the packaging material where possible.

When using any electrically powered product, basic safety precautions should always be followed.

PLEASE READ THE INSRUCTIONS CAREFULLY AND IN FULL BEFORE USING THE PRODUCT.

IMPORTANT INSTRUCTIONS

WARNING -to reduce the risk of fire, electrical shock or injury to persons or property:

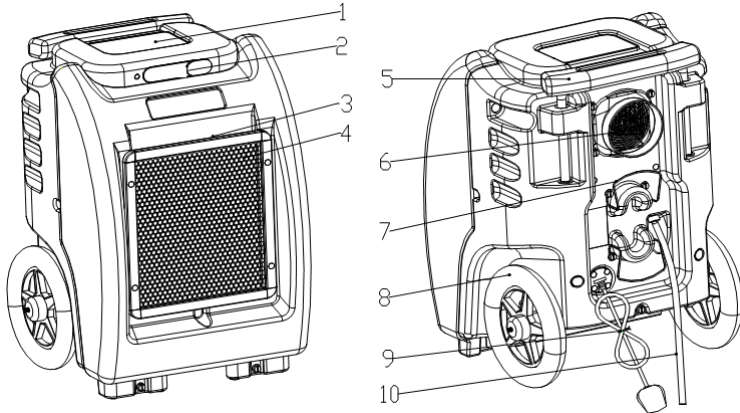
- 1 Always operate the product from a power source of the same voltage, frequency and rating as indicated on the product identification plate.
- 2 Close supervision is necessary when any product is used by or near children the elderly or the infirm. Do not allow children to use the appliance as a toy.
- 3 Do not operate any product with a damaged power cord or plug, after the product malfunctions, dropped or damaged in any way. Return the complete product to the place of purchase for inspection, repair or replacement.
- 4 To reduce the risk of electric shock, do not expose the unit or flexible cord to moisture of any kind.
- 5 Switch off and unplug from the power socket when not in use, before assembling or before cleaning.
- 6 Do not place objects on the product or allow objects to obstruct the inlet or outlet openings, or operate in close proximity to walls or curtains, etc.

- 7 The use of attachments or accessories not recommended or sold by the product distributor may cause injury to persons or damage to property.
- 8 This product is intended for normal light commercial use only.
- 9 Do not attempt to dismantle the appliance.
- 10 Do not operate the appliance on a metal surface.
- 11 Do not use the appliance in artificially hot or humid conditions or allow to be used in a hazardous environment.
- 12 Do not clean the appliance with organic solvent.
- 13 This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- 14 Children should not be left unsupervised with the appliance.
- 15 This instruction manual is an integral part of the appliance and should be stored for safe keeping and must always accompany the appliance in the event of ownership transfer or for reference to by a service engineer.

READ AND SAVE THESE

PRODUCT IDENTIFICATION

INSTRUCTIONS



1. Control Panel

2. N/A

3. Air Filter

4. Air Intake metal grill

5. Handle

6. Air Outlet

7. Power cord
fixed support

8. Wheel

9. Power Cord

10. Water pipe

 **WARNING**

DO NOT OBSTRUCT THE AIR INLET OR OUTLET.

SETTING UP INSTRUCTIONS

SETTING UP THE DEHUMIDIFIER



WARNING

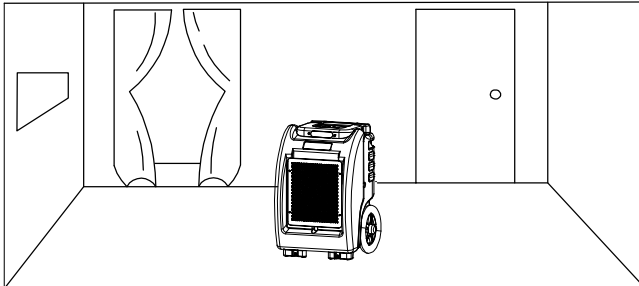
No not obstruct the air intake or air outlet



IMPORTANT

Place dehumidifier in the upright position. When transporting a dehumidifier to site, allow the dehumidifier to stand for 30 minutes before switching ON. This is necessary to allow the refrigerant system to stabilize and avoid system damage.

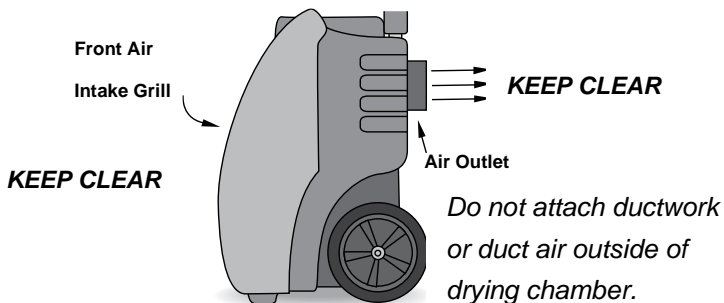
PLACE IN ENCLOSED AREA: For best results, operate the dehumidifier in an enclosed area to create a "drying chamber." Close all doors and windows that open to external areas to maximize the dehumidifier's water removal efficiency. Keep traffic through the drying chamber to a minimum. Place the dehumidifier in the center of the room away from walls and furnishings where airflow may be obstructed.



SETTING UP INSTRUCTIONS

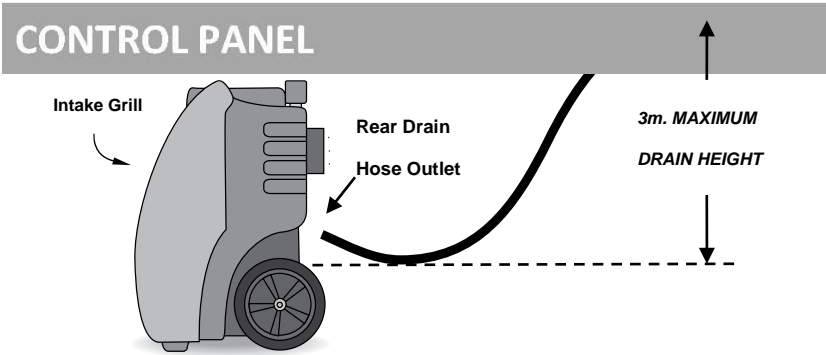
Illustration of correct positioning for best performance

PROPER AIR FLOW IS ESSENTIAL: Do not place this dehumidifier in a position where the front Air Intake Grill or rear Air Outlet is blocked by walls, furniture or any other obstruction. Do not attach ductwork to the unit as air flow restrictions will result.



ENSURE PROPER DRAINAGE: This dehumidifier contains a built-in pump that connects to a drainage hose which is stored in the back of the unit. Uncoil the entire hose to ensure that there are no kinks or restrictions and place the unattached end into a drain or run to the outdoors. Ensure that water piped to the outdoors does not create a slipping hazard. To avoid damaging or overworking the pump, do not exceed a 3m vertical lift height between the pump and drain.

To Drain



- **Plug in electrical cord**

This dehumidifier must be plugged into a grounded polarized 230 VAC/50Hz outlet rated at least 16 amps. Make sure the drain hose is connected and routed to a safe location.

- **Control panel**



- **Turn the unit ON**

Press the **“ON/OFF”** to turn the Dehumidifier ON. The screen will display main menu :

SH	AH	°C	JOB
CO%	50%	00	000h

SH-setting humidity; AH- ambient humidity
 °C - Ambient Temperature; JOB-This running/job time

1. Press can switch to fahrenheit.
2. Hold menu button for 10s, it will lock all button. The lock icon will show on the main menu.

CONTROL PANEL

● **Turn the unit OFF**

Press the **“ON/OFF”** to turn the unit OFF. When the unit turns OFF, The water pump will turn on automatically for 40 seconds to drain the residual condensate water in the dehumidifier. The screen will appear Draining.....

▲ IMPORTANT:
To avoid water spillage. Do not move the dehumidifier for at least three minutes after turning the power off. Before transporting, be sure to remove the external drain hose, drain it carefully, and return it to the pocket provided on the back of the unit.

● **Humidity setting**

The factory setting is continuous dehumidifier mode.


Press  up/  down to setting the desired humidity level.

Increases or decreases are in increments of 5%.

Adjust humidity is between CO, 20% - 95%.

1. When the adjusting humidity is between 20% and 95%.the unit will stop working while reaching the setting humidity, The fan will start up 1minute after every 30minutes, It can increase validity of the humidity sensor. The unit will automate resume operation after detecting the condition humidity above the setting humidity.
2. When the adjust humidity is below 20% . the “CO” will be displayed. The unit will entry to continuous dehumidify mode .

● **Information query menu**

When the dehumidifier is running ON, Press  menu button once, The screen will display information query menu :


CONTROL PANEL

T1- Coil temperature



TOTAL- Total running hour

The menu will return to main menu if there is no other operation within next 5 secs.

● **Timer OFF**


When the dehumidifier is running ON, Press  menu button twice to enter timer off, The screen will display :

TIMER OFF
00h



Press  up/ down to setting the desired time between 1-24.

This is 24 hour simple timer, so the unit can be set to turn off within next 24 hours.


● **Timer ON**

When the dehumidifier is running ON, Press  menu button once to enter timer on, The screen will display :

TIMER ON
00h

Press  up/ down to setting the desired time between 1-24.



● **Calibration inlet sensor**

When the dehumidifier is running ON, Press  menu

button thrice to enter calibration, The screen will display :

Set	Target		RH
Set	Point	=	0%

This is only to set/calibrate the ambient humidity sensor.

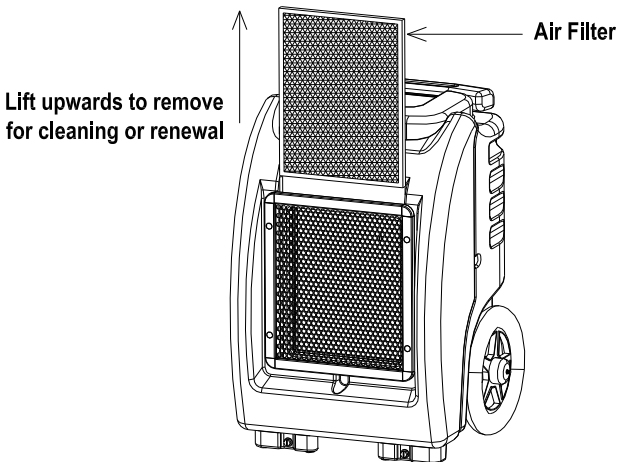
Use  up/  down to set the ambient humidity.

Maintenance CLEANING THE AIR FILTER

◆. Cleaning The Air Filter

Ensure the dehumidifier is turned OFF and the plug is removed from the power socket before maintenance is carried out.

The working performance of the dehumidifier will be greatly reduced if the filters become blocked. Check filter weekly.



1. Remove the filter as shown in the diagram above.
2. Vacuum any debris from the filter using the vacuum hose and nozzle attachment.
3. Using luke-warm water and a mild detergent wash the filter and allow drying.
4. Once dry, re-install the filter into the dehumidifier

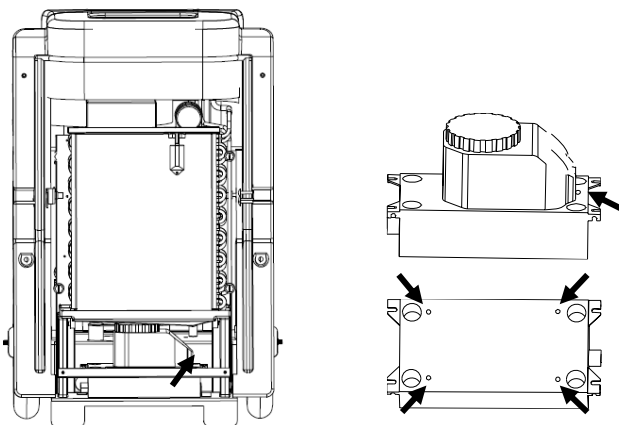
Maintenance CLEANING THE WATER PUMP

◆. Cleaning The Water Pump

NOTE: Cleaning water pump once when unit running time reach to 1000 hours.

Ensure the dehumidifier is turned OFF and plug is removed from the power outlet before performing maintenance.

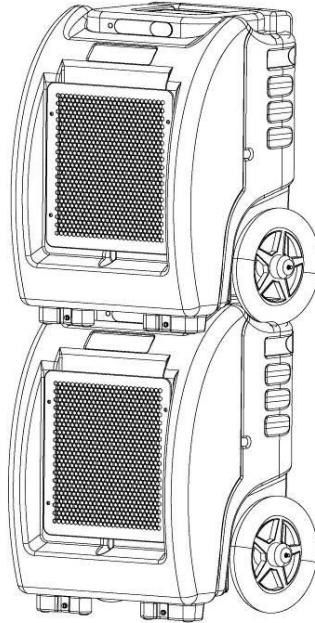
1. Remove 6pcs screws to take apart front housing of the dehumidifier.
2. Pull water pipe to take apart water pump.
3. Remove 1pc screws to take apart water pump top cover .
4. Remove 4pcs screws to take apart water bottom cover .
5. Cleaning the water pump.
6. Re-install all.



STORING THE MACHINE

Follow the guidelines below when storing the machine.

1. Wind the power cord to the back of the machine.
2. Wind the drainage tube to the back of the machine.
3. Stack the machines as shown if necessary.
NOTICE: Do not stack more than two machines high.
4. Secure the machines as necessary to ensure they do not fall or move.



TROUBLE SHOOTING

FAULT	CAUSE	SOLUTION
Unit does not operate	No power to machine. Unit not switched on.	Plug in unit; check power at outlet and at base of unit. Switch unit on.
Fan not turning	Obstructed air outlet and fan.	Remove obstruction.

Unit operating, but room not dry	<ol style="list-style-type: none"> 1. Not enough time to dehumidify air. 2. Poor air movement in room. 3. Excessive moist air infiltration in room. 	<ol style="list-style-type: none"> 1. Allow more time for drying. 2. Increase air movement with fans. 3. Reduce outside air infiltration into the room.
Unit collects too little water	<ol style="list-style-type: none"> 1. Room air is dry. 2. Obstructed filter and coils 3. Room temperature is too low. 	<ol style="list-style-type: none"> 1. Check humidity with hygrometer. 2. Check filter and coils; clean as necessary. 3. Increase room temperature.

WARNING:

DO NOT attempt to rectify faults using unqualified personnel. If the problem you are experiencing is not listed here, call your local distributor

TROUBLE SHOOTING FAULT CODES

The table below shows error message that the system may detect. If the display shows an “ER” message, first unplug the unit and then plug it back in. This may re-set the electronics, and if so, no further action is required. If the error message reappears, try the solution shown under “Explanation.” If this still does not fix the problem, contact your local authorized service center

CODE	ER1	ER2	ER4
Error message	Coil sensor error	Humidity sensor error	Water pump fault or blockage
Display Reading	Flashes every 1 sec's	Flashes every 1 sec's	Flashes every 1 sec's

Reason	1.the coil sensor terminals are not securely plugged in. 2.The coil sensor fault . 3.If not above question, It maybe is display panel PCB fault.	1.The humidity sensor terminals are not securely plugged in. 2.The humidity sensor fault . 3.If not above question, It maybe is display panel PCB fault.	Water is not draining from the pump reservoir or there is a lack of power to the water pump.
Remedy	1.Check to ensure the coil sensor terminal is securely plugged in. 2.Replace the coil sensor . 3.Replace display panel PCB	1. Check to ensure the humidity sensor terminal securely plugged in. 2.Replace the humidity sensor . 3.Replace display panel PCB	1. Make sure maximum lift is not exceeded. End of hose should be no higher than 10 feet above the unit. 2. Check pump for debris or blockage.

SPECIFICATION

Dehumidifying Capacity (30°C RH80%):	80L/day (170 pins/day)
Dehumidifying Capacity (26.7°C RH60%):	48L/day (100 pins/day)
Rating Power Input / Current (30°C RH80%):	1450W/6.4A
Rating Power Input / Current (26.7°C RH60%):	1150W/5.1A

Power Supply:	220-240V ~ 50Hz
Refrigerant:	R410A/720g
Working Temperature:	5°C~35°C
Controls	Electronic Touchpad
Process Air	520m ³ /H
Unit Size(mm):	540x540x810
Packing Size(mm):	580x580x850
Net/Gross Weight:	47kg/52kg

