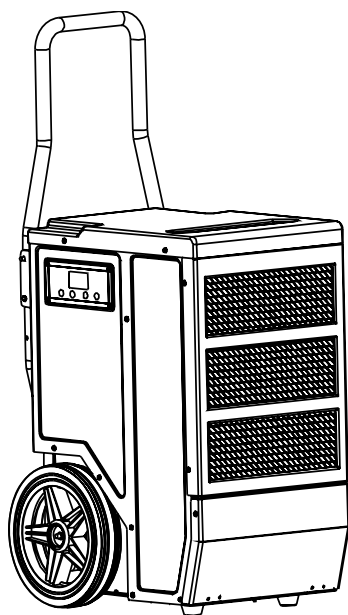




Metal Dehumidifier 115v Model: DH 065 BLU Owner's Manual



**Please read this owner's manual
before operating and keep
safe for future reference**

VENTAMATIC, LTD. P.O. BOX 728, MINERAL WELLS, TX 76068-0728 • PHONE 800-433-1626 FAX 940-325-9311 • WWW.BVC.COM

A leader in the ventilation industry for over 60 years, Ventamatic, Ltd. offers a complete line of air movement products for commercial, industrial, agricultural, and residential use sold under these fine names:

Ventamatic

**Cool
AIR**

**MAXX
AIR**

nuVent

COOL DRAFT

**BIG
AIR**

HETR

GENERAL INFORMATION

Thank you for choosing our Metal Dehumidifier

This Owner's Manual will provide you with valuable information necessary for the proper care and maintenance of your new dehumidifier.

Please take a few moments to read the instructions thoroughly and familiarize yourself with all the features and operation of this dehumidifier.

***PLEASE READ THESE INSTRUCTIONS CAREFULLY
BEFORE USING THE PRODUCT.***

Unpackaging the dehumidifier

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 Customer Service at 1-800-433-1626.

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 with your local authority regulations.

Always recycle the packaging material where possible. When using any electrically powered product, basic safety precautions should always be followed.

IMPORTANT INSTRUCTIONS




***When using any electrical appliance,
Basic safety precautions should always be followed.***

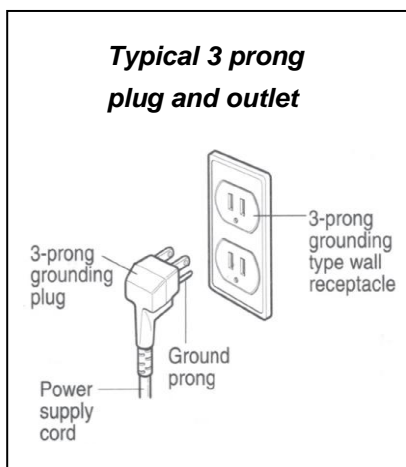
WARNING - to reduce the risk of fire, electrical shock or injury to persons or property:

- 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 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.
- 4 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.
- 5 To reduce the risk of electric shock, do not expose the unit or flexible cord to moisture of any kind.
- 6 Switch off and unplug from the power socket when not in use, before assembling or before cleaning.

IMPORTANT INSTRUCTIONS

- 7 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.
- 8 The use of attachments or accessories not recommended or sold by the product distributor may cause injury to persons or damage to property.
- 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. Consult the product Specifications section for approved operating conditions.
- 12 Do not clean the appliance with organic solvent.
- 13 This Owner's 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.


<p>⚠ WARNING</p> <p>Electrical Shock Hazard Plug into a grounded 3 prong outlet. Do not remove ground prong. Do not use an adapter. Do not use an extension cord. Failure to follow these instructions can result in death, fire, or electrical shock.</p>



PRODUCT IDENTIFICATION

FIG.A: FRONT

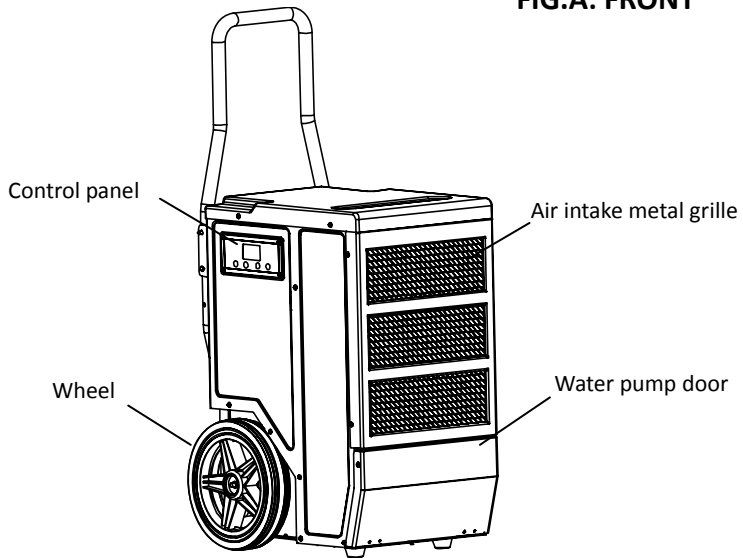
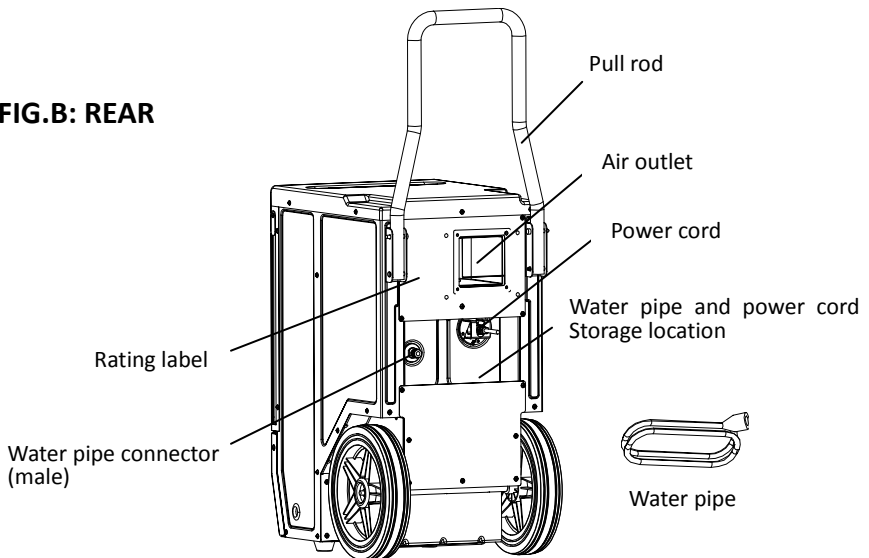


FIG.B: REAR



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.

PROPER AIRFLOW 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.

SETTING UP INSTRUCTIONS

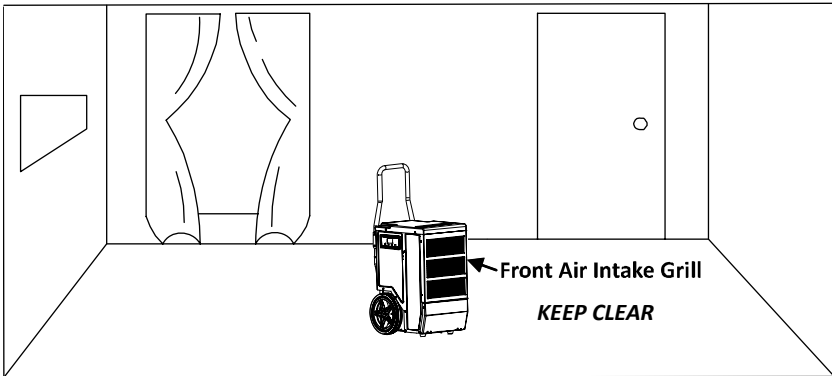
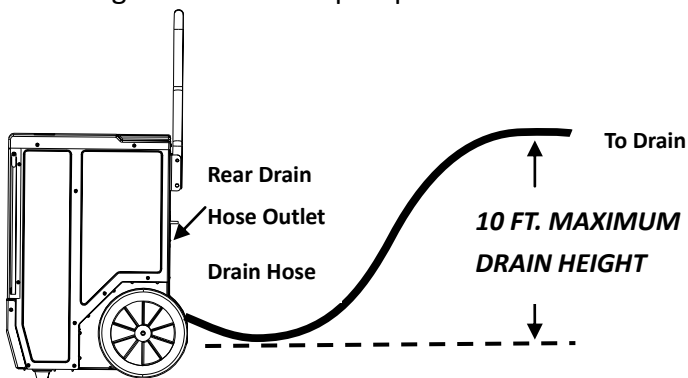


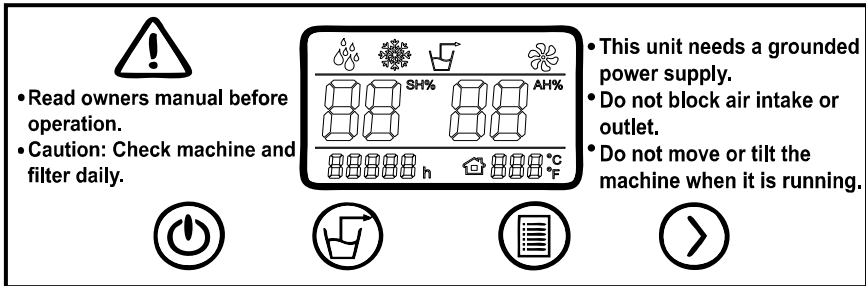
Illustration of correct positioning for best performance

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 10 foot vertical lift height between the pump and drain.



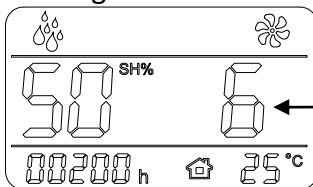
CONTROL PANEL

Digital Control Panel



- **ON/OFF:** Press once to turn the unit **ON** or **OFF**.
- **PURGE:** Press the “**PURGE**” key to empty water from the pump reservoir. During normal operation the pump purges automatically when the reservoir is full. Use “**PURGE**” before moving the machine to avoid water spillage. The pump will close automatically after forty seconds continuous operation.
- **FUNCTION:** Press the “**FUNCTION**” key, The screen will display ‘Humidity setting’ ‘Ambient humidity’ ‘Total running hours’ ‘Ambient temperature’.
- **REGULATE:** Press “**REGULATE**” key to adjust humidity or set total running hours and job hours or setting fahrenheit and centigrade.

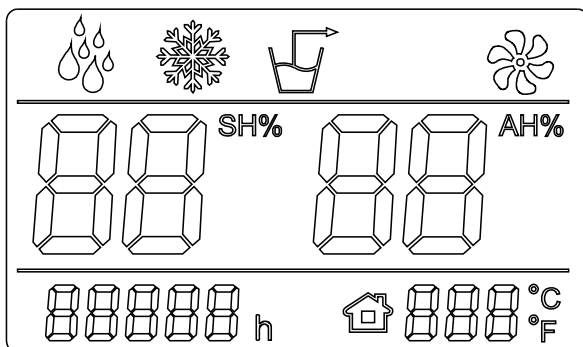
Long press “**REGULATE**” key 5 seconds, The coil sensor temperature will display. The screen will return to display ambient humidity after coil sensor temperature cursor flashing 3 seconds.







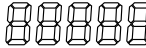




Coil Sensor Temperature

CONTROL PANEL

The LCD displays symbols



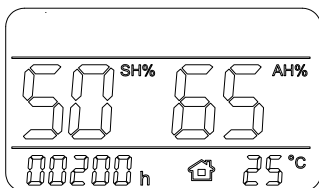
-  : Dehumidify ON.
-  : Defrost ON.
-  : Draining.
-  : Fan start up.
-  ^{SH%} : Setting humidity.
-  ^{AH%} : Ambient humidity.
-  h : Total running hours.
-   °C/°F : Ambient temperature.

OPERATION

● **Plug in electrical cord**

This dehumidifier must be plugged into a grounded polarized 115 VAC/60Hz outlet rated at least 15 amps. Make sure the drain hose is connected and routed to a safe location.

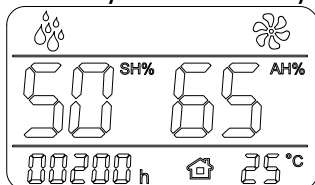
Plug in electrical cord, The screen will display standby:



● **Turn the unit ON**


Press the **"ON/OFF"** key to turn the unit on.

If humidity setting is less than ambient humidity, the unit will entry to dehumidify mode. The screen will display:



If humidity setting is greater than ambient humidity, the unit will stop working after started 1 minute.

● **Turn the unit OFF**

Press the **"ON/OFF"** key 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  cursor.

OPERATION





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.

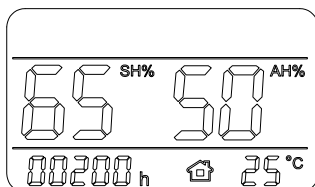
● **Humidity setting**

The factory setting is continuous. The humidity can be set in the following manner:

1. Press the function key  , The humidity setting the cursor flashing.
2. Press the regulate key  to setting the desired humidity level. Increases or decreases are in increments of 5%. Adjust humidity is between CO, 25% and 90%.
3. Wait 3 seconds after setting the desired humidity is completed, the unit will automatic recognition of numerical.

NOTES:



1. *When the adjusting humidity is between 26% and 90%.the unit will stop working while reaching the setting humidity, the screen will displays :*



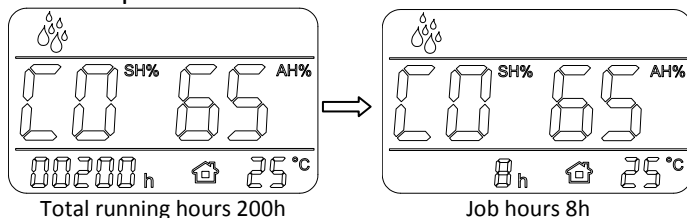
OPERATION

2. When the adjust humidity is below 25% . the “CO” will be displayed. The unit will entry to continuous dehumidify mode .

● **Total running hours display and job hours display setting**

1. Press the function key  twice, the cursor turns to the total running hours , The total running hours the cursor flashing.
2. Press the regulate key  to switch to job hours.
3. Wait 3 seconds after switch to job hours is completed, the unit will automatic recognition of numerical.

For example as follows:





NOTE:

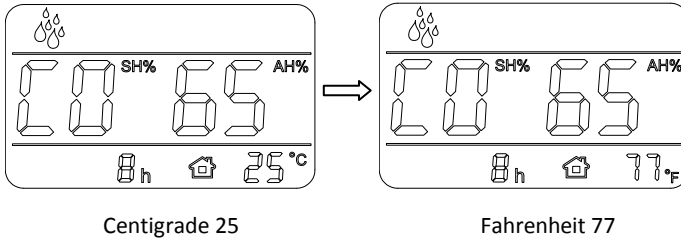
The “Total running hours” field displays continuously during operation. Like a car odometer, this shows the total number of hours on the unit and cannot be manually reset outside the factory.

OPERATION

● *Centigrade and Fahrenheit setting*

1. Press the function key  thrice, the cursor turns to the centigrade , The centigrade the cursor flashing.
2. Press the regulate key  to switch to fahrenheit.
3. Wait 3 seconds after switch to fahrenheit is completed, the unit will automatic recognition of numerical.

For example as follows:



MAINTENANCE

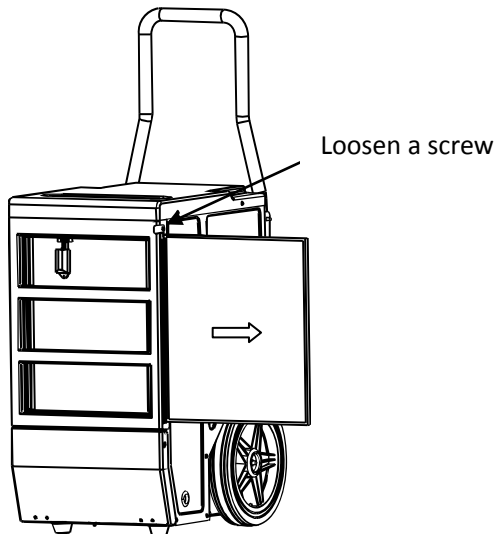
Cleaning Or Replaced Filter

NOTE: The working performance of the dehumidifier will be greatly reduced if the filters are clogged. Check filter weekly. Cleaning or replaced filter if get clogged.

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

1. Loosen a screw
2. Remove the filter as shown.
3. Vacuum any debris from the filter.
4. Using lukewarm water and a mild detergent wash the filter and allow to dry.
5. Once dry, re-install the filter into the dehumidifier.

The item 3、4 refer only to type of can cleaning filter .



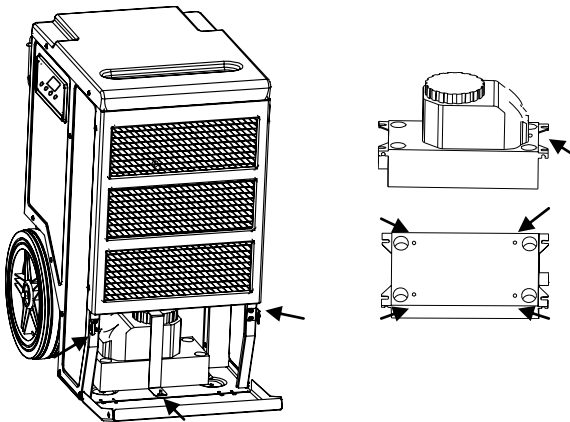
MAINTENANCE

Cleaning 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. Press lock on the two side of water pump door, open the door.
2. Remove 1pc screws to take apart press bar.
3. Pull water pipe to take apart water pump.
4. Remove 1pc screws to take apart water pump top cover .
5. Remove 4pcs screws to take apart water bottom cover .
6. Cleaning the water pump.
7. Re-install all.



STORING THE UNIT

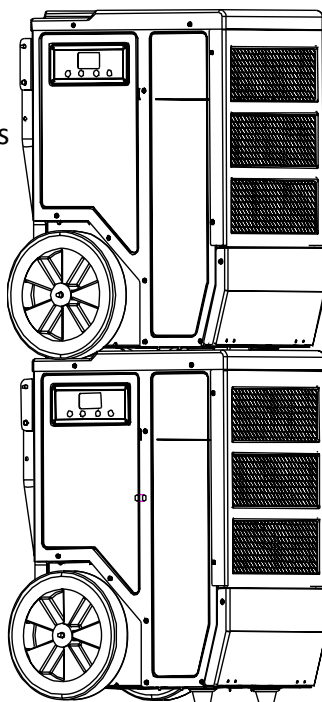
Storing the unit

Follow the guidelines below when storing the unit:

1. Prior to storing the unit, clean filters and drain water from the unit.
2. Put the power cord to the power cord storage location for back of the unit.
3. Put the water pipe to the water pipe storage location for back of the unit.
4. If necessary, stack machines as shown.

NOTE:

Do not stack more than 2 machines high. Be sure to secure the machines 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	1. Not enough time to dehumidify air. 2. Poor air movement in room. 3. Excessive moist air infiltration in room.	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	1. Room air is dry. 2. Obstructed filter and coils 3. Room temperature is too low.	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 1-800-433-1626.

TROUBLE SHOOTING

Fault codes

The table below shows error messages that the system may report. If the display shows an “ER” message, first unplug the unit and then plug it back in. This may reset the electronics and no further action may be necessary. If an error message reappears, use the table below to help identify the problem.

CODE	ER1	ER2	ER4
Error message	Coil sensor error	Humidity sensor error	Water pump fault or blockage
Display Reading	Flashes every 1s	Flashes every 1s	Flashes every 1 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 3m above the unit. 2. Check pump for debris or blockage.

If these solutions do not correct the error, call 1-800-433-1626.

SPECIFICATION

Dehumidifying Capacity (90°F/ 90% RH):	140pints/day
Dehumidifying Capacity (AHAM Conditions-86°F/ 80% RH):	100pints/day
Dehumidifying Capacity (AHAM Conditions-80°F/ 60% RH):	65pints/day
Power Supply (AHAM Conditions-80°F/ 60% RH):	115V /60Hz, 720W/6.3A
Refrigerant:	R410A/19oz (540g)
Working Temperature:	41°F~95°F
Controls	Electronic Touchpad
Process Air	300CFM
Unit Size(inch):	20x15x26.8
Packing Size(inch):	21.3x16.1x29.1
Net/Gross Weight(lbs):	82/93

WARRANTY

Ventamatic, Ltd. extends this warranty to the original retail purchaser of its model or, if this unit is purchased and installed by a building contractor, then to the original owner of the home. No subsequent purchaser of the unit or of a home in which it is installed is entitled to any of the benefits of this warranty.

This product is warranted against defects in materials and workmanship for a period of one (1) year from the date of original retail purchase. No other parts or components are warranted. There is no warranty for defects caused by abuse, faulty installation, or the like. Repairs or replacement parts supplied under this warranty are warranted only for the period of this warranty; that is, one (1) year from the date of the original retail purchase of the unit.

In the event of a defect or malfunction, we will replace or repair the defective part or component only and return the new or repaired part to you freight prepaid. You must bear all other expenses incurred in obtaining repairs, including labor required for field repair or replacement, and the cost of shipping the defective part to us. You must also bear the cost of repair to or replacement of any part or component and the shipping charges incurred for the repair or replacement and return to you of any part or component not covered by this warranty, including parts or components damaged by you.

The company reserves the right to demand and receive written evidence of the date of purchase before undertaking to perform its obligations under this warranty. You should, therefore, retain your sales slip and attach a copy of it to the warranty claim.

In order to obtain the repair or replacement of this unit, you must select one of the following methods:

A. Return to factory.

Return postage prepaid only the part or component which you believe to be defective to the following address:

Ventamatic, Ltd
100 Washington Street
Mineral Wells, TX 76067

WARRANTY (CONT.)

Complete and enclose a written claim and attach a copy of your sales slip or other proof of purchase.

B. Return to retail dealer.

If the retail dealer from whom you purchased this unit stocks replacement parts or components, you may return a part or component which you believe to be defective to that dealer for replacement.

Caution: Only a limited number of our retail dealers stock replacement parts. If your dealer does not, you must return the part to the factory following the procedure described in paragraph "A" above.

There is no informal dispute settling mechanism available in the event of a controversy involving this warranty.

Any and all implied warranties which may exist terminate upon the expiration of this warranty one (1) year from the date of the original retail purchase. Some states do not allow limitations on how long an implied warranty lasts, so this limitation may not apply to you.

Ventamatic, Ltd. is not liable to you for incidental or consequential damages arising out of a defect or malfunction of a unit or its installation or out of any alleged breach of this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.