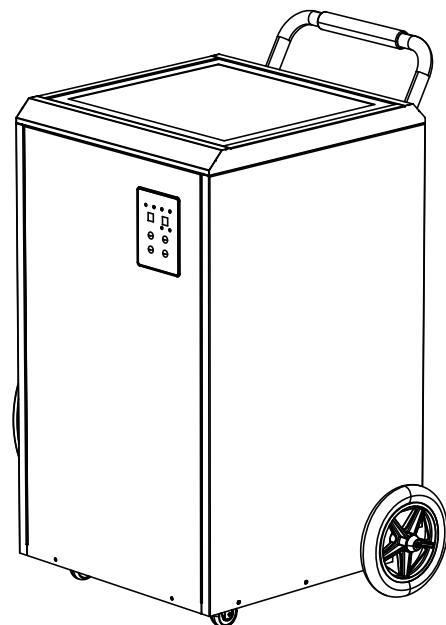




## Stealth 115



## Installation and Operation Manual

Read These Instructions Carefully Before Proceeding

[www.SeairaGlobal.com](http://www.SeairaGlobal.com)

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# Safety Instructions

**Read these instructions carefully and completely before continuing with the installation.**

## **Warning**

- Install dehumidifier according to all applicable local, state and national codes
- Connect your dehumidifier to a grounded, dedicated electrical connection that is GFCI protected with 15 amp capacity. Do not use an extension cord or plug adapter
  - The use of any other type of electrical connection will void the warranty.
  - Be sure to follow your GFCI manufacturer's maintenance instructions
- Unless otherwise noted, all maintenance should be done with the unit powered off.

## **Caution**

- Do not insert objects or your fingers into the inlet or discharge of the dehumidifier
- Do not use water to clean the exterior of the unit. To clean the unit, unplug the dehumidifier and then use a damp cloth to wipe the exterior.
- Your dehumidifier should only be serviced or repaired by a qualified technician
- Do not stand on the dehumidifier or place objects on it.
- This unit is not designed for swimming pool applications.

# Warranty Registration

Your dehumidifier comes with an extensive warranty. To register your unit, simply fill out and return the warranty form provided in the box, or visit our website.

For future reference, write down the model, serial number and date of purchase. This information is necessary for seeking assistance in the future and can be found on the data label on the side of the unit.

**Model Number:**

**Date Of Purchase:**

**Serial Number:**

# How the Dehumidifier Works

The Stealth 115 is a dehumidifier that can be used in a variety of ways to control the humidity level in your home. In the simplest terms, when the humidity level exceeds the setpoint of the humidity controller, the dehumidifier will energize. The internal fan and compressor will turn on, forcing air to be drawn across the evaporator coil, which is cooler than the dewpoint of the air, allowing the coil to remove water from the air and exit via the drain. The air is then reheated as it flows across the condenser coil and distributed back into the conditioned space.

## Dehumidifier Specs

<b>Capacity (80°F / 60%)</b>	115 ppd
<b>Capacity (73°F / 60%)</b>	73 ppd
<b>Power Supply</b>	115V / 60 Hz
<b>Operating Temp.</b>	33 - 105°F
<b>Airflow @ 0.0"</b>	320 CFM
<b>Weight</b>	115 lbs.

# Installation Requirements

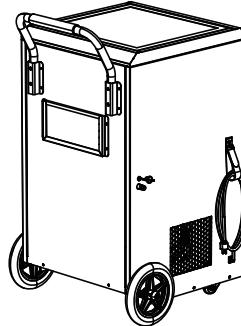
- The area where the dehumidifier is located needs to be sealed..
- If the unit is installed in a crawlspace, all vents should be sealed and a vapor barrier should be used.
- For proper ventilation, neither the inlet or the discharge should be positioned against a wall. The top inlet needs a minimum of 12" clearance, the back inlet requires a minimum of 6" clearance, and the discharge requires a minimum of 36" clearance.
- Stealth Dehumidifiers are only intended for operation when the unit is upright and level.

## Basic Setup

### 1. Place the dehumidifier on a level surface.

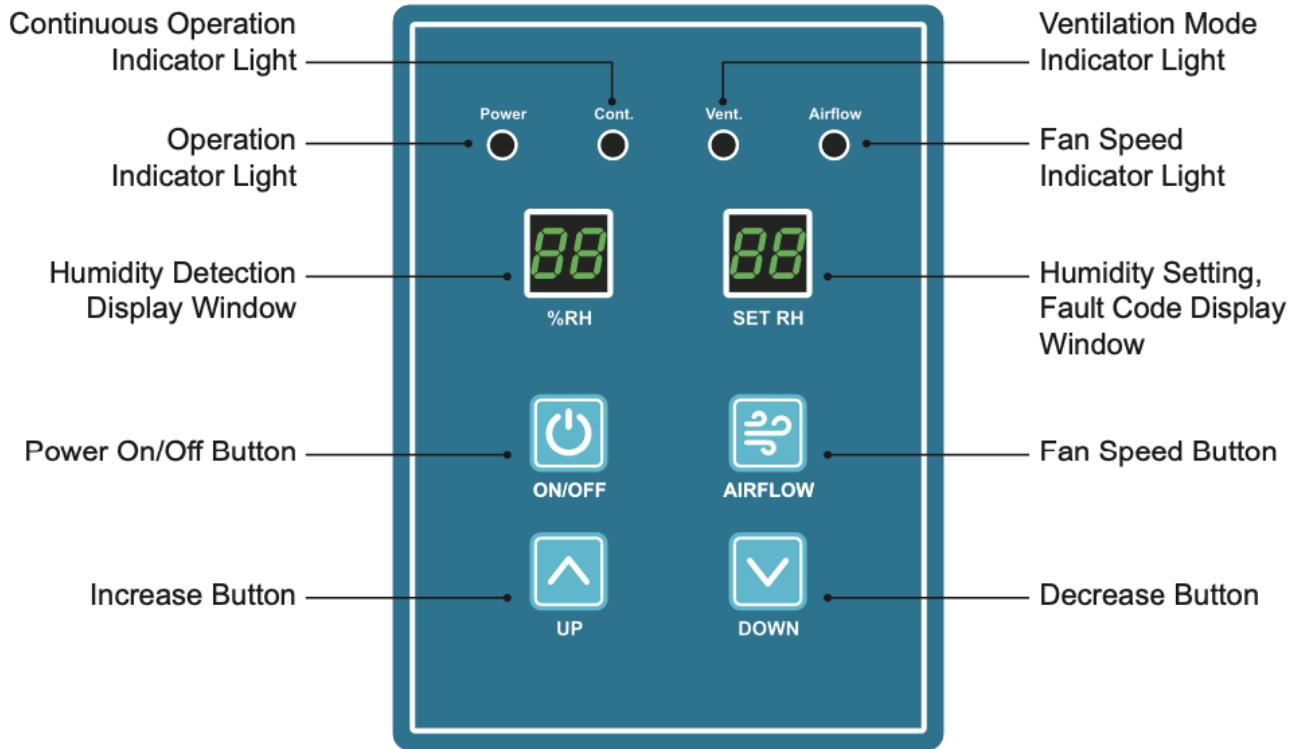
### 2. Set up the drain line

- a. Insert drain line into drain on side of unit (same side as discharge)
- b. The drain line should be routed to a suitable drain option.
- c. THE DRAIN LINE MUST FLOW DOWN INTO PVC DRAIN WITH NO LOOPS, DIPS, OR KINKS.
- d. **Recommended Drain Option- Transition to PVC Pipe**
  - i. Cut a piece of 3/4"OD PVC that is approx. 6" long.
  - ii. Attach PVC + elbow to a 3/4"OD piece of PVC to drain. Keep the length of PVC as short as possible.
  - iii. Insert the open end of the dehumidifier drain tube into a 6" piece of PVC so that it does not extend into elbow fitting. For a proper flow, a minimum downward slope of 1" per 10' run is required.
  - iv. Support the PVC tubing so that it maintains a smooth downward flow to drain.



### 3. Remove power from cord holder. Plug unit into a dedicated 15 amp GFCI protected outlet.

# Using the Dehumidifier Display



## Indicator Lights

### 1. Power Indicator Light

- This light indicates what status the dehumidifier is in. The light will be green.
- When the dehumidifier is running, the light is constantly on.
- When in defrost mode, the light will flash rapidly.
- When in standby mode (humidity in space is UNDER setpoint, so no need to run), the light will flash slowly.
- When the dehumidifier is off, the light will also be off.

### 2. Cont. Indicator Light

- This light turns green when the dehumidifier is in continuous operation mode. The light stays on until continuous mode is turned off.

### **3. Vent. Indicator Light**

- a. This light turns green when the unit is in ventilation mode. The light stays on until ventilation mode is turned off.

### **4. Airflow Indicator Light**

- a. This light indicates the speed of the fan. A green light indicates low speed, while a red light indicates high speed.
- b. Using low fan speed (green light) will allow the dehumidifier to be extra quiet.

## **Display Windows**

### **1. %RH Display Window**

- a. This window displays the real time humidity level. While the dehumidifier is running, the detected relative humidity will be shown.

### **2. SET RH Display Window**

- a. This window displays the target relative humidity level, error codes, and mode codes.
- b. While adjusting your target humidity level, you will see the numbers change on this screen. During adjustment, the numbers will flash. Once a level is chosen, wait 3 seconds and the display will stop flashing.
- c. When in ventilation or continuous mode, you will see Vt (ventilation) or CO (continuous) on the display screen.
- d. If there is an error code, it will display here. For example, it might show E1.

## **Button Functions**

### **1. ON/OFF Button**

- a. Press this button to turn the unit on or off.

### **2. Airflow Button**

- a. Press this button to adjust the fan speed between low speed and high speed.
- b. Low fan speed is useful if you would like the dehumidifier to be extra quiet.

### **3. Increase and Decrease Buttons**

- a. Use these buttons to adjust the target relative humidity level.

### **4. Ambient Temperature**

- a. If you would like to view the ambient temperature: press and hold Increase Button + Airflow Button for 3 seconds.
- b. The Set RH window will flash the ambient temperature for 3 seconds, before automatically reverting back to target relative humidity level.

## 5. Coil Temperature

- a. If you would like to view the coil temperature: press and hold Increase Button + Decrease Button for 3 seconds.
- b. The Set RH window will flash the coil temperature for 3 seconds, before automatically reverting back to target relative humidity level.

## 6. Ventilation Mode

- a. If you would like to enter ventilation mode: press and hold On/Off Button + Airflow button for 3 seconds.
- b. While in ventilation mode, the Set RH window will display  $V_t$ .
- c. Repeat this operation to exit ventilation mode.
- d. During ventilation mode, only the fan of the dehumidifier will operate. YOU WILL NOT BE DEHUMIDIFYING.

# Dehumidifier Features

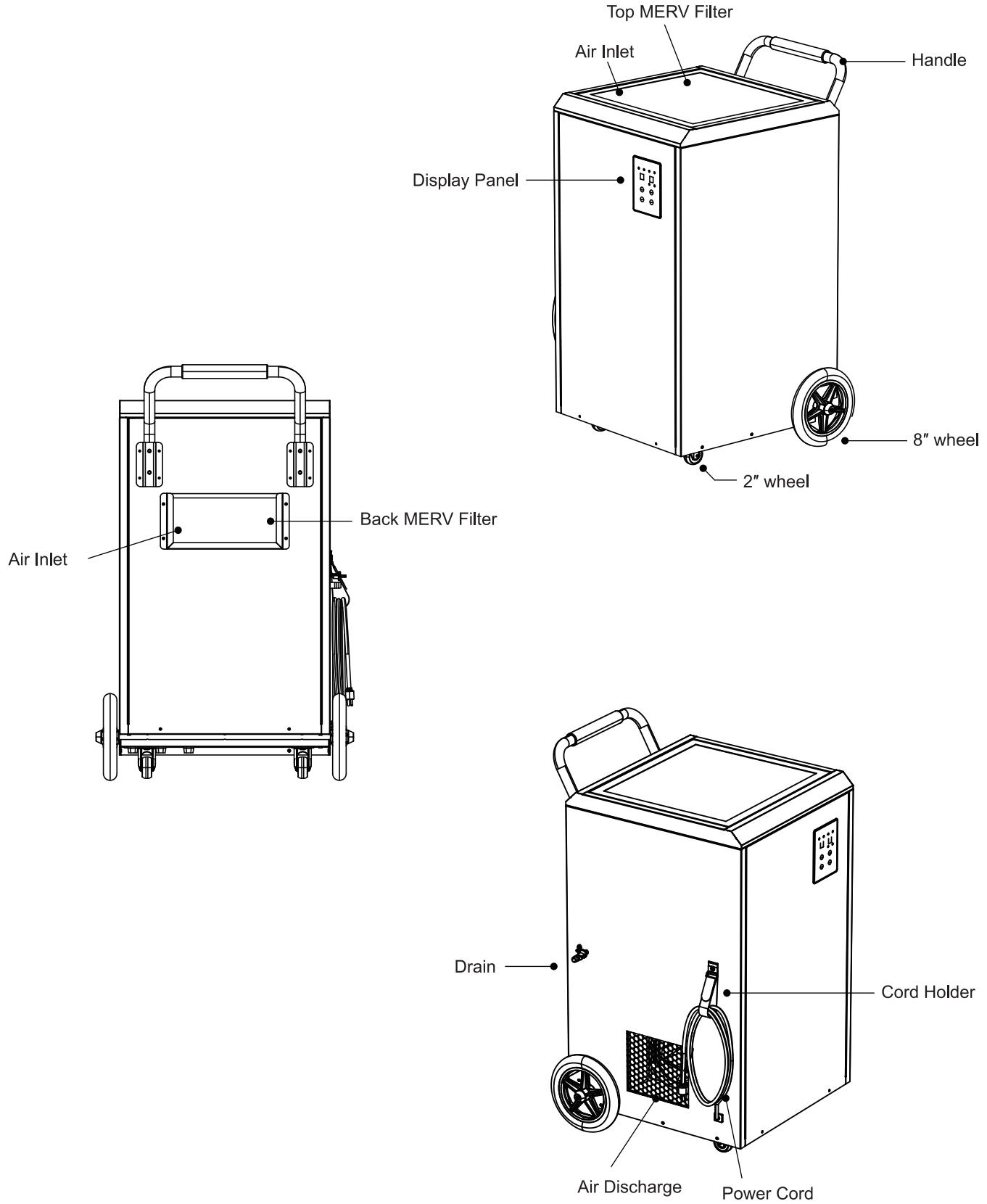
## 1. Auto Restart

- a. If the dehumidifier loses power while running, it will automatically resume running when the power comes back on.
- b. The mode and setpoint will be the same as prior to the outage.
- c. Keep in mind that there is a 3 minute compressor delay, so it will take 3 minutes for the unit to start operating.

## 2. Defrost Function

- a. The dehumidifier features auto defrost. This means that when the ambient temperature is too low and frost accumulates on the surface, auto defrost will begin.
- b. During the defrost process, power indicator light on the display panel will flash rapidly.
- c. Once defrosting is complete, the dehumidifier will automatically resume its previous setting.

# Unit Diagram



# Maintenance

**Warning: Always unplug the dehumidifier before performing any maintenance.**

## Cleaning the Dehumidifier Body

Use a soft damp cloth to clean the exterior of the unit. Do not use any soap or solvents

## Coil Maintenance

At least once per year, spray the coils with an approved coil clean. The coil cleaner should be a self-rinsing, foaming cleaner, such as WEB® Coil Cleaner.

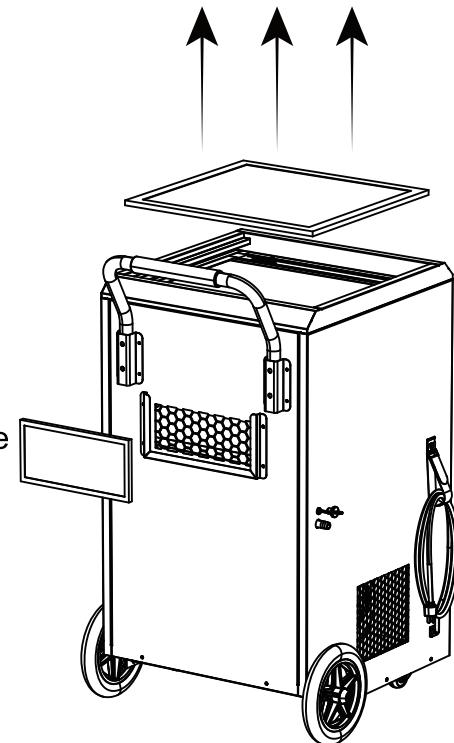
## Filter Maintenance

Both filters are washable (top filter and back filter). Vacuum or wash with warm water (no soap). Replace as needed.

## Storage

If you're going to be storing the dehumidifier for an extended period of time, be sure to dry it out completely.

1. Use ventilation mode (see Using the Dehumidifier Display section for more details) for at least 2 hours to dry out the coils.
2. Loop the power cord and properly store the drainage hose.
3. Place in a clean, dry location.



# Troubleshooting

Symptom	Cause	Solution
Display is Blank	Poor Connection	Make sure power cord is plugged in
	Power Outage	Reset power
No Airflow	Filter is Dirty	Clean the filter(s)
	Air Inlet or Outlet is Blocked	Clear the blockage
E1 Error Code	Humidity Sensor or Communication Error	Check that the sensor wire is connected at both ends. If no issue, the sensor may be faulty
LO Error Code	Room Temperature is below 33°F	Increase room temperature so it's within operating range. If issue persists, check the sensor
HI Error Code	Room Temperature is above 102°F	Decrease the room temperature so it's within operating range. If issue persists, check the sensor
Tripped GFCI Outlet or Breaker	Not a Dedicated Circuit	Identify all sources connected to outlet and confirm source of trip. If it is dehumidifier, contact technical support. If not, move dehumidifier to dedicated circuit for future use.
	Defective GFCI	Replace outlet
	Dirt, Dust, or Moisture on Outlet	Clean or replace outlet
	Lightning or External Electrical Surge	Reset or replace breaker/GFCI, as needed
<b>Note: Dehumidifier will not function until error code is cleared</b>		

**Error Code: DP - occurs when the dew point is below 40°F. Unit will automatically resume once dew point = greater than 40°F.**

# Spare Parts

<b>All Models</b>	
W-100	Wired Remote Control Assembly
X-101	Remote Monitor System
X-102	External Pump
<b>Stealth 115</b>	
S-110	Top MERV Filter
S-111	Back MERV Filter

# Warranty

*All warranty benefits apply to the original owner only. Warranty cannot be transferred or assigned.*

**5 Years (From Date of Purchase):** Seaira Global warrants the dehumidifier will operate free of defects in workmanship and materials. At its discretion, Seaira Global will repair or replace any malfunctioning components, free of charge (excluding transportation costs)

**Customer Responsibilities:** In order to take advantage of the warranty service, the customer must do the following:

1. Customer must provide normal care and maintenance (including, but not limited to cleaning filters, coils and pumps)
2. Removal and re-installation of unit is the sole responsibility of owner.
3. If customer cannot return unit to Seaira Global, all costs associated with shipment are borne by the customer. In addition, all ancillary charges related to shipments, including but not limited to palletizing, wrapping, labeling, and pickup are associated with customer.
4. If shipped, customer is responsible for all risk of loss or damage.

## **Warranty Procedure:**

1. Customer must mail in warranty registration card to Seaira Global. If no card is submitted, warranty period will begin the day the shipment left the warehouse.
2. If warranty service is necessary, customer must contact Seaira Global Tech Support by phone 910-660-0962 to receive a Return Authorization (RA) number.
3. Once an RA has been issued, it is the customer's job to bring the unit to Seaira Global. If this is not an option, shipping will be arranged to bring the unit back to the Seaira warehouse (at the expense of the customer).
4. After the unit has been received by Seaira Global, an initial inspection will be completed, if it is determined to be an invalid warranty claim (see exclusions below), unit will only be completed after receiving payment from customer for all associated costs.
5. If unit is defective, the necessary parts will be repaired or replaced and the unit will be available for pickup at Seaira Global or returned via shipment (at customer's expense). Keep in mind that work is only done during normal working hours. After being repaired, all units are required to go through a rigorous testing process prior to being returned to customer.
6. Once a part is repaired and the dehumidifier is returned, the original warranty period still applies (no extensions).

**EXCLUSIONS:**

**DAMAGE DUE TO THE FOLLOWING IS NOT covered under warranty**

**1. Acts of Nature- including but not limited to:**

- flooding
- fire
- water damage
- hurricane/storm damage

**2. IMPROPER USAGE- Including but not limited to:**

- pool/spa/tub applications
- misuse, abuse, or tampering whether intentional or accidental
- improper installation or design
- improper voltage
- lack of normal care
- failure to follow instructions

**3. Corrosion**

**4. Freezing**

**5. any additional costs due to changes in laws or building codes**

**6. freight charges**

**7. any costs due to lost profit or delay**

**8. damage to property**

**9. cause beyond control**

**10. consumable parts, including but not limited to:**

- filters
- batteries
- power cords
- valves
- switches
- rubber parts

**11. Applicable law and venue**

**ALL ASPECTS OF THIS AGREEMENT SHALL BE INTERPRETED BY AND UNDER THE LAWS OF THE STATE OF NORTH CAROLINA. ANY LITIGATION, ENFORCEMENT OF ARBITRATION, OR LITIGATION RELATED TO SHALL BE BROUGHT IN THE APPROPRIATE COURT IN NEW HANOVER COUNTY, NORTH CAROLINA.**

**12. direct, indirect, collateral or inconsequential damages of any kind**

**THE WARRANTIES AND LIABILITIES SET FORTH ARE IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, IN LAW OR IN FACT, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. SEAIRA Global's total liability, regardless of nature of claim shall not exceed original purchase price of the product. If a product or component is replaced while under warranty, the applicable warranty period shall not be extended beyond the original warranty time period.**

**The foregoing shall constitute the total liability of seller in the case of defective performance of all or any of the equipment or services provided to Buyer. Buyer agrees to accept and hereby accepts the foregoing as the sole and exclusive remedy for any breach or alleged breach of warranty by Seller.**

**Any dishonesty or fraud in connection with SEAIRA GLOBAL warranty thoroughly voids all warranty policies. SEAIRA Global expressly reserves the right to pursue legal action in the event of dishonesty, fraud, or attempted fraud.**