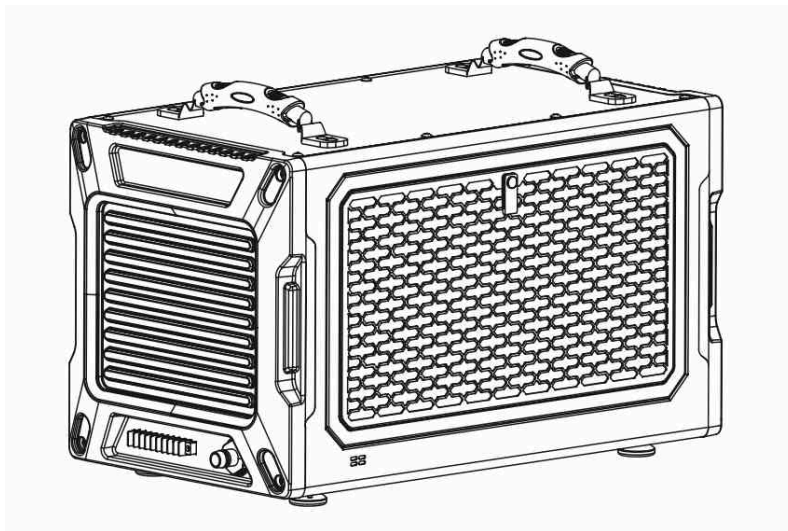# Stealth 70

ETL LISTED US
Intertek

Installation and Operation Manual

Read These Instructions Carefully Before Proceeding

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 70 is a crawl space dehumidifier that can be used in a variety of ways to control the humidity level in your entire home. In the simplest terms, when the humidity level exceeds the set point 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 dew point 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.
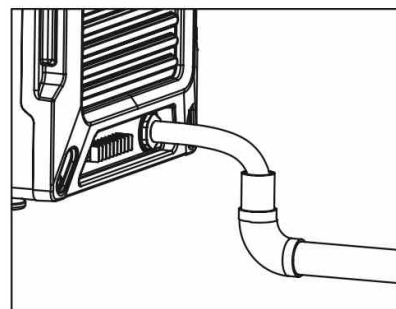
Dehumidifier Specs

Model	Stealth 70
Capacity (80°F / 60%)	70 ppd
Capacity (65°F / 60%)	45 ppd
Power Supply	115V / 60Hz / 4.6A
Operating Temperature Range	50 - 102°F
Operating Humidity Range	35 - 90%
Dew Point Limit	40°F

Installation Requirements

• The area where the dehumidifier is located should be sealed with a vapor barrier.

• If the unit is installed in a crawlspace, all vents should be sealed.

• For proper ventilation, neither the inlet or the discharge should be positioned against a wall. The inlet needs a minimum of 12" clearance and the discharge requires a minimum of 36" clearance.

• For the best air diffusion, install the unit so that the end panel faces the wall.

• Stealth 70 Dehumidifiers are only intended for operation when the unit is upright and level with the feet on the ground (unless using a W-112 Hanging Kit).

1. **Place the dehumidifier on a level surface.**
   a. Do not place unit directly on vapor barrier.
   b. If the unit has been turned or flipped so that the compressor did not remain upright, place the unit on a level surface and wait a minimum of 2 hours before proceeding.

2. **Set up the Drain Line**
   a. The drain line should be routed to a suitable drain option
   b. THE DRAIN LINE MUST FLOW DOWN INTO PVC DRAIN WITH NO LOOPS, DIPS, OR KINKS.
   c. Recommended Drain Option: Transition to PVC Pipe
      • Cut a piece of 3/4" OD PVC that is approx. 6" long.

      • Attach PVC + elaborate to a 3/4" OD piece of PVC to drain. Keep the
      • length of the PVC as short as possible.

      • Insert the open end of the dehumidifier drain tube into a 6" piece of PVC so that it it does not extend into elbow fitting. For a proper flow, a minimum downward slope of 1" per 10' run is required.

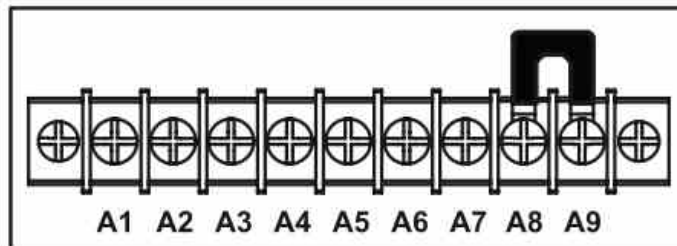   • Support the PVC tubing so that it maintains a smooth, downward slope.

3. **Plug the unit into a dedicated 15 amp, GFCI supported outlet.**

4. Auxiliary Terminals: A5/A6 (Normally Open Accessory)

- The A5/A6 on the terminal strip can be used as a safety switch for an external float switch or condensate pump with Normally Open Contacts.
- If an E4 error occurs immediately, remove the wires from terminal strip and unplug the dehumidifier. Plug in dehumidifier with nothing attached to terminal strips. If E4 occurs again, contact Seaira Global. If not, see step three.
- Double check that external device is intended to be Normally Open. You may need to switch to Normally Closed (see below). Note that you may need to unplug the unit to reset the error code.

5. Auxiliary Terminals: A8/A9 (Normally Closed Accessory)

- The A8/A9 on the terminal strip can be used as a safety switch for an external float switch or condensate pump with Normally Closed contacts.
- Remove the factory installed jumper between A8 and A9 when you connect your accessory.
- If an E4 error occurs immediately, remove the wires from terminal strip, unplug the dehumidifier and replace the jumper. Plug in dehumidifier with nothing attached to terminal strips. If E4 occurs again, contact Seaira Global. If not, remove the jumper, and see step four.
- Double check that external device is intended to be Normally Closed. You may need to switch to Normally Open (see above). Note that you may need to unplug the unit to reset the error code.

Using the Dehumidifier Display

Note: The display will shut off after a period of inactivity. Press any key to activate the display.

1. Power Button ⏻

    a. Use this button turn the machine on and off.

2. Arrow Buttons △ ▽

    b. The up and down arrow buttons can be used to adjust your humidity set point, between 35% and 90%. Each press adjusts the set point by 1%, or quickly adjust by holding down the key.

    c. When the relative humidity of the space is higher than the machine set point, the dehumidifier will run. When the relative humidity of the space is lower than the machine set point, the dehumidifier will be in standby mode.

3. Continuous Mode ⟳

    a. Press the button to set the unit to run continuously, regardless of humidity. To turn off, press this button again.

    b. When in continuous mode, the continuous mode light will illuminate.

4. Evaporator Coil Temperature ▽ ⟳

    a. To view the evaporator coil temperature, press the down arrow and continuous button simultaneously for 3 seconds.

Indicator Lights on the Display

1. Humidity Display Screen ⧆%

    a. This screen shows the current relative humidity of the environment.

    b. When selecting your set point, the current set point will be flashing. It will take effect after 3 seconds. The screen will revert to the current relative humidity of the environment.

2. Temperature Display Screen ⧆°F

    a. This window displays the current temperature of the environment.

    b. The temperature of the evaporate coils will also display on this screen. After 5 seconds of the coil temperature, it will revert to the current temperature of the environment.

3. Status Light ⚙

    a. When the dehumidifier is on, the status light will be solid.

    b. When the dehumidifier is in standby mode, the status light will flash.

4. Continuous Mode Light ⟳

    a. This light will be illuminated when the machine is in continuous mode.

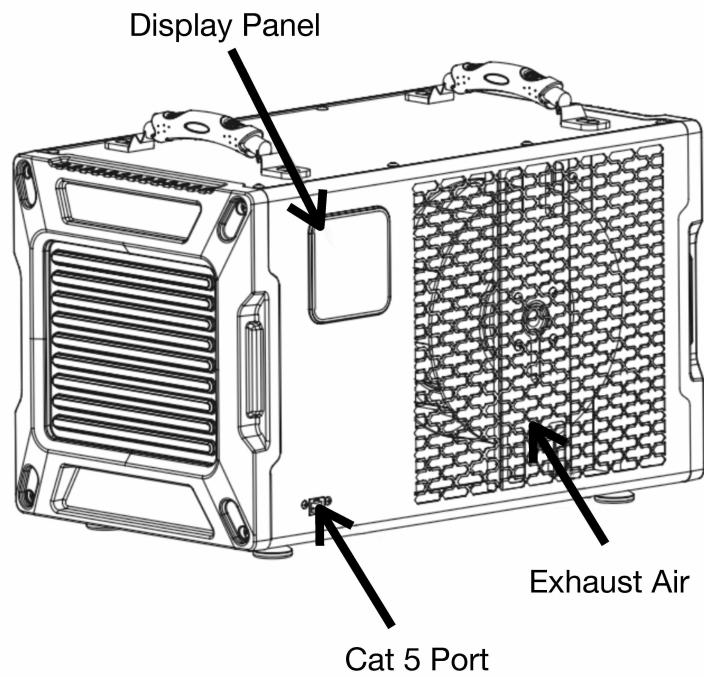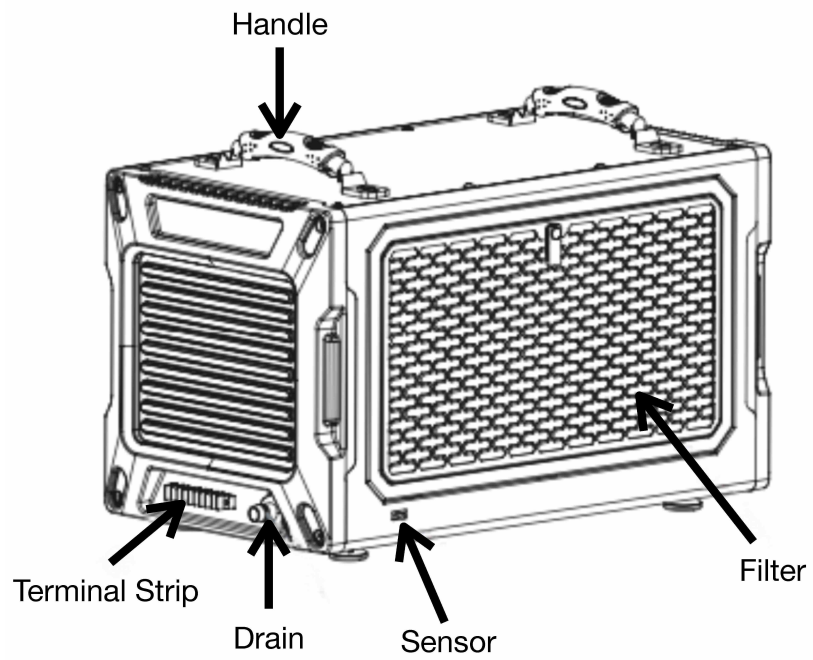   b. Note that this mode should only be used for troubleshooting purposes.

5. Defrost Light ❄

    a. If the evaporator coil starts to frost because of low temperatures, the machine will automatically enter defrost mode.

    b. The defrost light will stay on while the machine is in defrost mode.

6. Water Overflow Light 〰

    a. If you have an external pump or float switch wired into the terminal strip, check that device. If the external device has tripped, the dehumidifier will shut off, and this light will be illuminated.

Unit Diagram

Handle

Terminal Strip

Drain

Sensor

Filter

Display Panel

Exhaust Air

Cat 5 Port

Maintenance

Warning: Always unplug the dehumidifier before performing any maintenance.
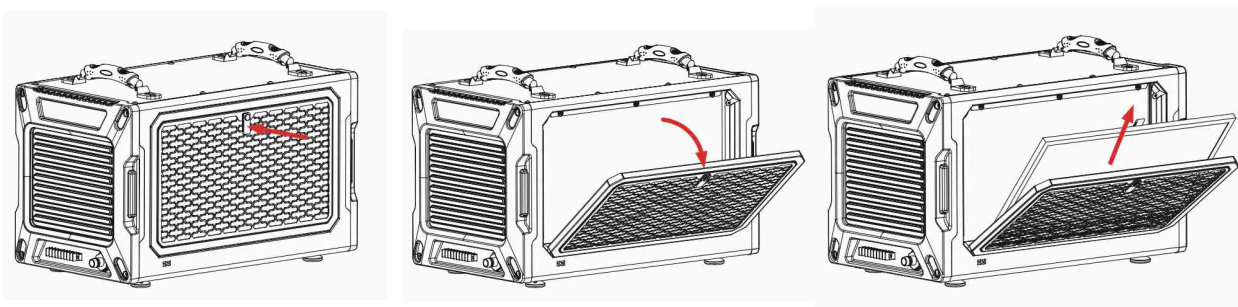
Cleaning the Exterior
Use a soft, damp cloth to clean the exterior of the unit. Do not use soap or solvents.

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

Filter Maintenance
1. Use the handle to pull the grill down.
2. Lift the filter out of the grill, using the handle on top.
3. Clean the filter using a vacuum cleaner or warm water (no soap or solvents).
4. Make sure the filter is dry before putting back into machine.

Cleaning the Drain Tray
Complete approximately once per year, depending on the environment.

- Unplug the dehumidifier.
- Mix a 16 ounce solution of vinegar (4 ounces vinegar + 12 ounces water), or bleach 1 ounce bleach + 15 ounces water).
- Remove the filter so you have access to the drain tray.
- Pour the cleaning solution into the drain tray at the base of the coils. If any cleaning solution gets on the coils, flush with water.
- Allow solution to soak for 15 minutes.
- Pour in 32 ounces of clean water to flush out the drain line.

Troubleshooting

Symptom	Cause	Solution
Display is Blank	Poor Connection	Verify that both ends of the power cord are plugged in
	Power Outage	Reset power
No Airflow	Filter is Dirty	Clean the filter
	Air Inlet or Outlet is Blocked	Clear the blockage
Error Code: E1	Humidity Sensor or Communication Error	Check to ensure that the sensor wire is connected at both ends. if no issues are visible, the sensor may be faulty.
Error Code: E4	Problem with Terminals	Verify that float switch and/or external pump is plugged in and working properly
	Problem with Drain Line	Check if drain line is blocked or clogged
Error Code: LO	Room Temperature is below 50°F	Increase the room temperature so it is within operating range (above 50°F). If error still displays, check sensor.
Error Code: HI	Room Temperature is above 102°F	Decrease the room temperature so it is within operating range (below 102°F). If error still displays, 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 Outlet	Replace Outlet
	Dirt, Dust, or Moisture on Outlet	Clean or Replace Outlet, as necessary
	Lightning or External Electrical Surge	Reset or Replace Breaker/GFCI, as necessary
	Possible Dehumidifier Issue	If none of above options work, contact technical support
Error Code: DP	Dew Point Temperature is Too Low	Machine will resume running, once dew point is above 40°F

Note: Dehumidifier will not function until error code is cleared

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 a 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 LI-ABILITY, 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.