



## Guardian Humidification System Operating Instructions

Congratulations! You have purchased the finest Cigar Humidification System ever created for the preservation of premium cigars. The Guardian Humidification System has been designed to provide your premium cigars with the optimal storage environment. The Guardian microprocessor constantly monitors the humidity level of your cabinet interior and will maintain the relative humidity to within 2% of your desired setting.

Should you have any questions regarding the installation or operation of Vigilant's Guardian Humidification System, please call us toll-free at 888-812-4427. We will be happy to assist you.

*Please read this entire manual before operating your Guardian Humidification System. By following these instructions, you will guarantee the proper conditions for your precious collection of fine cigars.*

### Parts

- Sensor with attached Wire
- Sensor Anchor and Nylon Cable Tie
- Wicking Filter (located in Reservoir)
- Control Module with Reservoir
- 24 Volt Wall Adapter
- Instruction Manual / Warranty Card

### Installation

1. Remove all packing material from the reservoir area and make sure the parts list is complete.
2. Place the Guardian Humidification System in the bottom of your cabinet.
3. Insert the small end of the power cord through a hole in your cabinet and plug it directly into the power jack on the front of the control module of your System.
4. Determine a suitable location for placement of the Sensor, preferably as close to horizontal center on a back panel of your cabinet as possible.
5. Peel off the backing paper from the loop-style Velcro strips and attach the strip to the inside of the cabinet at the desired location for placement of the Sensor.
6. Attach the Sensor to the loop-style Velcro strip you applied in step 4.
7. Extra support for the Sensor can be gained using the adhesive-backed Sensor Anchor and Nylon Cable Tie.
8. **Simply plug your humidor into a surge protector that is attached to a grounded outlet.** The digital read out and red time-to-fill LED will illuminate within six seconds. Make sure that the white mesh wicking filter is sitting vertically upright in your water reservoir.
9. Slowly fill the water reservoir with distilled water until the time-to-fill LED turns off. Slowly add 2½ cups (20 ounces) more water after the LED shuts off. The reservoir is outfitted with an overflow vent that will dispense water into your cabinet rather than into the electronics compartment. **DO NOT OVER FILL THE RESERVOIR, AS OVERFILLING WILL CAUSE WATER DAMAGE TO YOUR CABINET! DO NOT POUR WATER ON THE FAN THIS CAN CAUSE DAMAGE TO THE ELECTRONICS. DO NOT MOVE CABINET WITH WATER IN IT.**

## Operating the Guardian Humidification System

1. Allow the Guardian Humidification System to operate at the pre-set level for at least 24 hours before adding your cigars. The initial digital reading will be much lower than 67%.
2. The humidifier may take more or less than 24 hours to reach and maintain 67%, depending on the conditions and configuration of your humidor.
3. The humidifier will use large amounts of water during the first several days of operation. Once the humidor has been seasoned (3 to 4 days), water use will greatly diminish.
4. If you choose to make an adjustment to the humidity level, **limit the change to no more than 2% in a ten-day period.**
5. It is recommended that you do not set the humidity level above 70%, as cigars stored at humidity levels higher than 72% can become soft and moldy.

## Adjusting the Humidity

Your Guardian Humidification System has been pre-set at 67% relative humidity and operates on a range (hysteresis) of approximately 2%. The System, therefore, will operate between 66% and 68%, as set. As the control system is fully automatic, the only control feature you will need to be familiar with is the set-point adjustment.

Your system should be run at the pre-set level, with cigars in the cabinet, for at least two weeks before adjusting the humidity. **If you choose to make an adjustment, limit the change to no more than 2% in a ten-day period.**

It is recommended that you do not set the humidity level above 70%, as this will provide a 72% humidity level in the cabinet. Cigars stored at humidity levels higher than 70% can become soft and moldy. Please note loading the cabinet with moist cigars may temporarily bring the relative humidity above the set-point range on the system.

The digital display will indicate the actual humidity level inside of your humidor. To view and/or adjust the set point, please read these directions through before proceeding, and then simply follow these steps:

- 1) Depress briefly the far-left scroll key to access the set-point adjustment menu.
- 2) The display will flash back and forth between “SP” and the current set point (originally your system was set at “67”).
- 3) To adjust the humidity upward, depress the ↑ key until your desired level of humidity is reached.
- 4) To adjust the humidity downward, depress the ↓ key until your desired level of humidity is reached.
- 5) If you go past your desired level of humidity, you may reverse direction by depressing the opposite key.
- 6) Once the desired level has been reached, depress the = key on the far right to exit the set-point menu. The actual humidity will now be displayed.

## Maintenance of Reservoir and Wick

1. When the red LED indicator light is on, it is time to fill the water reservoir. Frequency of filling will vary depending on climatic conditions and the size of your cabinet. As the reservoir and wicking filter are constantly exposed to moisture and dirt collected from the circulating air, they must be cleaned periodically. We recommend that you clean the reservoir and wick each time you add distilled water.
2. Unplug your system from its power outlet before you begin cleaning the reservoir and wick.
3. Simply remove the humidification system from your cabinet, being careful not to spill any water on your humidor. Inserting your hand into grommet hole, remove the wicking filter.
4. Wipe the walls of the reservoir with a damp paper towel. Rinse the wicking filter thoroughly with soap and hot water. **DO NOT USE BLEACH OR OTHER CHEMICALS.**
5. Wring out the wick. If you notice that the wick did not wash clean, it should be replaced. Wicks should be changed every 120 days and can be ordered directly from Vigilant, online at <http://shop.vigilantinc.com/> or by using the enclosed Order Form.
6. Insert a clean wick into the reservoir and return the reservoir to your cabinet.
7. **To fill the reservoir**, replace the wicking filter and add DISTILLED water through grommet opening. Never over-fill your reservoir. Watch the water level carefully while filling. The red indicator light will turn off when the reservoir is full. **IMPORTANT: DO NOT POUR WATER ON THE FAN.**
8. If the Sensor comes unplugged for any reason, connect it by inserting the VS side of the Sensor into the brown wire and the GND side into the yellow wire. Always mount the Velcro side of the Sensor against the wall of your cabinet.

## Suggestions

The installation and maintenance of your Guardian Humidification System will directly affect its performance. Here are some factors to consider:

- Do not block the airflow of the humidifier fan. Shelves or boxes of cigars should be at least 4" above the fan.
- Do not block the sensor by stacking boxes or other impediments in front of it.
- Keep the water reservoir and wicking filter in the humidifier clean by servicing at least every four months.
- Avoid frequent opening of your cabinet's door. If the humidor is used for commercial environments, nighttime recovery will be crucial for maintaining an optimum environment.

## **Trouble Shooting Answers**

### ***Cabinet appears not to maintain desired humidity level:***

- Check the set-point adjustment by depressing the far-left key on the control panel. If the set point is not at your desired relative humidity level, reset by following the “Adjusting the Humidity” instruction previously mentioned.
- Check the seal of the door and drawers of your cabinet. The System may not be able to sustain adequate humidity levels in a cabinet that is not airtight.
- Check the water level in the reservoir. If it is empty, the red LED should be lit. If not, carefully add two cups of DISTILLED water and contact Vigilant for service.
- Be certain that the fan and airflow intake are clear of any obstructions which can impede air circulation.
- Verify that the humidity wick is vertically positioned inside of the reservoir.

### ***Cigars are too moist or too dry:***

- Your humidity set point is too high or too low. Remember, add 2% to the number you set on the display for the average humidity level. It is recommended that you start your Guardian Humidification System at the pre-set level of 67%. This will maintain an interior humidity level of between 66% and 68%.

### ***Fan does not work:***

- Press the far-left button on the control panel to check set point. If the set point is below the humidity level of the cabinet’s interior, the fan will not run.
- Check power source.

If the above trouble shooting recommendations do not correct the problem, call Vigilant toll-free at 888-812-4427, and a service representative will gladly assist you.

## **Warranty**

Vigilant’s Guardian Humidification Systems are covered by a two-year Limited Warranty on parts and service. Please refer to the enclosed Warranty Registration Card for details.

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