

HumidiKit™

Auto Humidity System for Incubators



Key Features

- Integrated Digital Electronic Hygrostat for Egg Incubators
- Humidification System Instantly Adds Humidity
- Accurate Humidity Control
- 36-inch Remote Sensor
- Calibration enabled - can be calibrated to match any trusted hygrometer
- 110V AC
- Great for both tabletop and cabinet egg incubators
- Provides two critical elements for a successful hatch into your egg incubator – fresh air and humidity

Setup



Follow these steps to setup and connect the HumidiKit™ to the egg incubator:

1. Place the humidifier on a **level surface**.
2. Fill the water bottle with **distilled water**, attach the bottle adapter to the bottle, and place the bottle onto the humidifier.
3. Insert the round expandable tubing adapter plate into the large hole in the humidifier lid
4. Place the probe from the hygostat inside the incubator
5. Remove one of the vent plugs from the top of the incubator and insert the tapered tube adapter.
 - In some incubators you may have to drill a hole (15/32") to accommodate the HumidiKit™ tube
6. Plug in the HumidiKit™ and check that the humidifier on/off switch is in the ON position (-) and that the mist output dial is turned to the appropriate setting.
7. Allow the incubator to stabilize for several hours before setting eggs.

Note: Any time the incubator is opened use the power switch on the back of humidifier to turn off the humidity while the lid is open and then turn the unit back on once the lid has been replaced.

Operating Instructions



HumidiKit™ Controls:

1. "+" button
2. "-" button
3. Mist Output Dial
 - Select the size of incubator you are using on the dial (Below are some general guidelines)
 1. Small – Up to 12 eggs
 2. Medium – Up to 42 eggs
 3. Large – Cabinet Size Incubators

Hygrostat Indicator Light:

- Red light indicates that the unit is actively producing humidity

Humidification Unit Indicator Light:

- Green light indicates the Humidification unit is receiving power and generating mist (if it is not generating mist then please see the troubleshooting section).
- Red light indicates the unit is out of water. If the unit has water and the red light is on, please see the troubleshooting section.

Settings

Humidity Setpoint:

(This will set the Humidity % for the incubator)

- Press and hold the + or - button for 3 seconds to change the setpoint. The screen will start flashing the current setpoint. To change press the + or - buttons. After 5 seconds of no inputs, the screen will go back to the main display (current humidity reading). The humidity set point can be adjusted in 1% increments (between 1% - 99%).

Calibration:

- If you have a hygrometer that you trust and the digital hygrostat reads a little different, you can calibrate the hygrostat to match.
- Long press both the + and - for 3 seconds, then use the + and - buttons to adjust current humidity in 1% increments. Max values: +/- 10%

Cleaning & Storage

It is recommended to wipe and completely dry the HumidiKit every time after use. From time to time you should clean the HumidiKit. To clean the HumidiKit:

1. Disconnect the unit from power.
2. Remove the hose and hose adapter from the unit and soak in 3 parts water 1 part distilled vinegar solution for 10 minutes to disinfect, rinse with tap water, and allow air dry.
3. Remove the water bottle and clean with tap water and a mild soap and then rinse well and allow to air dry.
4. Remove the lid from the humidifier and empty any water in the reservoir. Then clean the water reservoir with tap water and a mild soap and allow to air dry. When cleaning the reservoir only lightly scrub the ultrasonic disc. **Important: Do not submerge the unit in water or any other solution**
5. Once the unit is dry store in temperature-controlled location out of direct sunlight.

Troubleshooting

Problem	Possible Causes	Solutions
Screen and both indication lights are on and water is bubbling but humidity is not increasing	<ul style="list-style-type: none"> • Tube is plugged 	<ul style="list-style-type: none"> • Blow into tube and position tube so it has no low spots and is in an arch shape
Humidifier Indication Light directly under "HumidiKit logo" has turned red	<ul style="list-style-type: none"> • Bottle is out of water • Humidifier is not level • Water level sensor stuck 	<ul style="list-style-type: none"> • Add water to bottle • Ensure unit is level • Remove blue lid and press firmly on the black cap and push the white "donut" water level sensor up and down
Screen reads LLL or HHH	<ul style="list-style-type: none"> • Sensor disconnected • Defective Sensor 	<ul style="list-style-type: none"> • Check Sensor connections at both ends • Contact Incubator Warehouse to replace sensor
Hygostat indicator light on but no green humidification indicator light	<ul style="list-style-type: none"> • Defective HumidiKit 	<ul style="list-style-type: none"> • Contact Incubator Warehouse for support
Humidity increasing after HumidiKit turns off OR decreases after HumidiKit™ turns on	<ul style="list-style-type: none"> • Normal Operation 	<ul style="list-style-type: none"> • After system turns off vapor needs to disipate from tube. • When system turns back on the humidity may continue to decrease as vapor takes time to get to the incubator.
Humidity low in incubator	<ul style="list-style-type: none"> • Setpoint too low • Tube plugged • Unit not turning on 	<ul style="list-style-type: none"> • Increase HumidiKit Setpoint • Blow into tube and position tube so it has no low spots and is in an arch shape
Humidity too high in incubator	<ul style="list-style-type: none"> • Setpoint too high • Too much water in incubator • Humidification unit not turning off 	<ul style="list-style-type: none"> • Decrease HumidiKit Setpoint • Check for puddling water in incubator • Contact Incubator Warehouse

Questions or Comments

If you have any questions or comments about the HumidiKit™ please either e-mail us at service@incubatorwarehouse.com or call us at (208)740-1344 and one of our customer service representatives will be happy to help.