



## 800-HCB, Humidity Control Box (800-HCB/IG with inert gas hook-up)

**Model #800-HCB, Humidity Control Box**, available with or without inert gas hook-up. Maintains desired humidity level within any of Plas ■ Labs glove boxes, isolators, and desiccators.

### Basic Features Include:

- Digital controller
- Humidity transmitter with 8' sensor cable
- Three drying train canisters with molecular sieve (Not included with 800-HCB/IG)
- Nebulizer
- Circulation pump (not included w/#800-HCB/IG)
- Canister mounting bracket and glove box connections
- Inert gas hook-up, (only with 800-HCB/IG)
- Pressure relief valve, (only with 800-HCB/IG)

### How it works:

Set your desired humidity level and the humidity control box controls and monitors the humidity level within the main working chamber. If the moisture level is above the set point, the controller turns on the circulation pump and flows air through the drying train canisters. Once the desired humidity level is reached, the controller turns the pump off. If the moisture level is below the set point, the controller turns on the nebulizer to increase the humidity.

### For the the 800-HCB/IG:

If the moisture level is above the set point, inert gas flows through the glove box and maintains a slight positive pressure. Once the desired humidity level is reached, the controller shuts off the gas. If the moisture level is below the set point, the controller turns on the nebulizer to increase the humidity.

### Product Specifications:

Overall Dimensions:	13" wide x 12" deep x 8" high	<u>For 800-HCB/IG</u>
Power Requirements:	115V 60 Hz. 230V 50 Hz. (export)	Inert gas hook-up:
Humidity Range:	5-80% Rh	1/4" O.D. Push-to-seal connector
Accuracy:	2.0% for full scale	
Set Point Accuracy:	1.0% for full scale	<u>For 800-HCB</u>
Resolution:	0.1	Drying Train Medium:
Circulation Pump:	1.1 CFM or 31 LPM	500 grams of molecular sieve

**Plas ■ Labs, Inc.**

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