

# CHAMBERS AND GLOVE BOXES

## NITROGEN DRY BOX

Our #850-NB "Nitrogen Dry Box" is a completely enclosed environmental chamber ideal for working in your preferred inert gas atmosphere.

Any inert gas such as Nitrogen, Argon, Helium and Plasma are easily maintained.

The unit is compact, lightweight, and portable. The design makes it easily moveable from lab to lab.

Everything you need is included with the glove box. All you need to add is your gas of choice and your preferred research materials.

### Basic Features that are included:

- Standard 24 month warranty (Not gloves or consumables).
- Formed one piece clear acrylic top section with rounded "Easy Clean" corners.
- Matched die molded white thermoset bottom with rounded "Easy Clean" corners.
- Two (2) vacuum diaphragm pumps. One each for the drying train and transfer chamber.
- The drying train includes three (3) clear acrylic canisters filled with Molecular Sieve™.
- Transfer chamber is 12" (305 mm) long x 11" (280 mm) I.D.
- All controls are illuminated.
- "Bright Light" system (40,000 hour lamp guarantee).
- White ambidextrous Hypalon™ gloves.
- All clamps are adjustable to compensate for wear.
- The front sloped viewing panel minimizes glare.
- Vacuum gauge on transfer chamber.
- Self sealing quick disconnects enable changing of the drying train canisters without disturbing the internal atmosphere.
- Four (4) ground key cock valves for purging.
- Transfer chamber leveling tray for handling liquids.
- Hospital grade multiple electric outlet (socket) strip. UL, CSA, and CE approved.



#850-NB with optional shelf accessory\*  
#850-NB/EXP for Export use

\***800-SHELF-I**, shown as an optional accessory.  
Culture dish capacity from 348 up to 432 plates.  
Refer to Accessories Section for more details.

### Product Specifications

Product Data	#850-NB	#850-NBB
I.D.	41" w x 28" d x 26" h 1,040 mm x 710 mm x 660 mm h	60" w x 38" d x 31" h 1,520 mm x 960 mm x 790 mm h
O.D. Includes Transfer Chamber	55" w x 35" d x 38" h 1,400 mm x 890 mm x 970 mm h	76" w x 47" d x 42" h 1,930 mm x 1,190 mm x 1,070 mm h
Approximate Volume	17.3 Cubic Ft. 489 Liters	40.9 Cubic Ft. 1,157 Liters
Approximate Shipping Wt. (Crated)	250 Pounds 112.5 Kilos	300 Pounds 135 Kilos

**Did you Know?**  
Molecular Sieve™ can be recharged in a hot oven at 450°F for 3 to 4 hours. You must remove the sieve from the plastic canisters before baking however.

### Electrical requirements:

North American 115-120 Volts, 60 Hz. 10 Amps.  
Export models 220-240 Volts, 50 Hz. 5 Amps.

**NOTE:** If this unit is to be used for Anaerobic work, you must also purchase our #800-HEATER and #800-PC (Palladium) accessories for optimum performance. Refer to the Accessories Section for details.

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## NITROGEN DRY BOX FOR MULTIPLE OPERATOR USE

The **#850-NBB** is our Nitrogen Dry Box for two (2) operators. It can be set up for up to four (4) operators. It includes all of the same features as our **#850-NB**, but it has six (6) drying train canisters and two (2) vacuum diaphragm pumps.

**NOTE:** The unit as shown includes optional accessories **#800-SHELF-II** and **#CART-GBB**, and **#800-CPS/O2**.

*Working with fine powders and chemicals?*

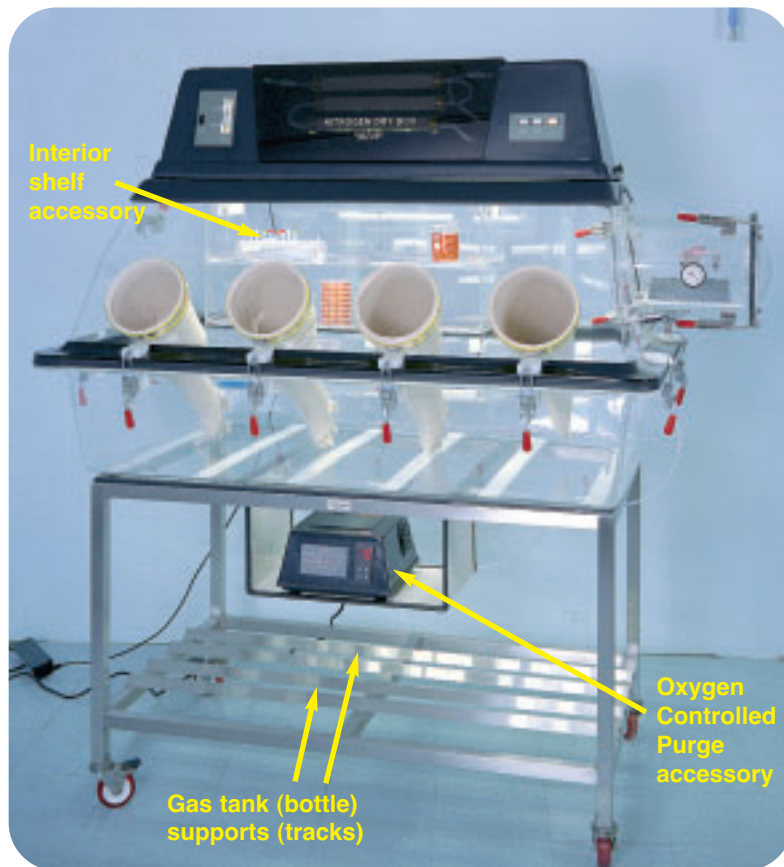
The **#800 AS/SPI** "Counter SPI" ionizer emits alternating positive and negative ions that eliminate static electricity within the glove box. It is non-air assisted (no fan), so there is no atmosphere turbulence inside the chamber. Additionally, no particle contaminants are introduced because of the ionizer.

This device is perfect for working with fine powders and chemicals.



**#800-AS/SPI Anti-Static unit**

**Electrical requirements for #800-AS/SPI.**  
North American 115-120 Volts, 60 Hz. 1Amp.  
Export models 220-240 Volts, 50 Hz. .5 Amp.



**#850-NBB shown with optional accessories**  
**#850-NBB/EXP for Export Use**

Optional accessories shown above include:

- #800-CART/GBB** Refer to page #42
- #800-SHELF-II** Refer to page #38
- #800-CPS/O2** Refer to page #35  
(Oxygen Controlled Purge Unit)

For Complete Product Specifications refer to page #10 (**#850-NB**)

**NOTE:** If the **#850-NBB** glove box is used for anaerobic work, you must purchase additional accessories **#800-HEATER** and **#800-PC**. For the large (NBB) glove box, we recommend **two (2) #800-HEATERS** and **four (4) #800-PC canisters** for the best efficiency.

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