

CHAMBERS AND GLOVE BOXES

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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 Include

- 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, (Shown with optional shelf package, 800-SHELF I)

850-NB/Exp, Export Model

800-SHELF-I, shown as an optional accessory. Culture dish capacity from 348 up to 432 plates.

Product Data	850-NB	850-NBB
I.D.	41”w x 28”d x 26”h 1,040mm x 710mm x 660mm h	60”w x 38”d x 31”h 1,520mm x 960mm x 790mm
O.D. (Includes transfer chamber (12” long))	55”w x 35”d x 38”h 1,400mm x 890mm x 970mm	76”w x 47”d x 42”h 1,930mm x 1,190mm x 1,070mm
Approximate Volume	17.3 Cubic Feet 489 Liters	40.9 Cubic Feet 1,157 Liters
Approximate Shipping Weight (Crated)	450 Pounds 205 Kilos	685 Pounds 311 Kilos

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 Operators

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.

Working with fine powders and chemicals?

The #800 AS/SPI “Counter SPT” 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 Ionizer

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 shelf package, 800-SHELF II)

850-NBB/Exp, Export Model



The 850-NBB Nitrogen Dry Box includes the drying train system with six (6) canisters filled with molecular sieve.

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.

Accessories for all Chambers and Glove Boxes: Suspended Shelf Packages

Suspended (sliding) Shelf packages can be added to most of our various glove boxes, isolators and chambers. They greatly increase the culture plate holding capacity of the chamber.

Sliding shelves can be pushed to the rear of the chamber when not in use.

#800-SHELF-I, Suspended Sliding Shelf for Single Operator units. Plate capacity is about 340. Fabricated of .375 thick clear acrylic, with shelves spaced at 7" (178 mm) apart. The entire assembly is suspended from the chamber top to keep the floor area uncluttered. Overall size is 18" (457 mm) high x 18" (457 mm) wide x 10" (254 mm) deep.

#800-SHELF-II, Suspended Sliding Shelf for Multiple Operator units. Plate capacity depends upon model used. Fabricated of .375 thick clear acrylic, with shelf spacing 9" (228 mm) apart. The entire assembly is suspended from the chamber top to keep the floor area uncluttered. Overall size is 22" high (560 mm) x 16" deep (406 mm). Length depends upon chamber model selected.



800-SHELF II (for Multiple Station Glove Box)

#800-SHELF-I, For chamber models #818-GB, #850-NB, #855-AC, #857-OTA, and #890-THC.

Plate Holding Capacity if dish size is 100 x 15 mm.

Top tier capacity (5 plates high).	=	60 dishes
Tiers 2 & 3 capacity 12 plates high x 12 = 144 x 2 shelves	=	<u>288 dishes</u>
Total shelf capacity	=	348 dishes

NOTE: If the area under the shelf assembly is to be used for additional plate storage, then add 84 more plates.

Suspended shelves for #830-SERIES glove boxes.

Catalog #800-SHELF-830 SUSPENDED SHELF.

The total number of shelves for the #830-SERIES glove boxes will vary based upon the overall size of the chamber selected. Once you have selected the #830 chamber size you want, contact us about the corresponding shelf size to fit.

The photo on left is a typical set up for the #830-ABC Compact Glove box. Each shelf has a capacity of fifty (50) Petri Dishes (plates), for a total 3 shelf capacity of 150. If plates are to be stored below the shelves, there is room for an additional forty (40) plates, making a total of 190 plates.



800-SHELF-830 (Shelf for 830-Series units)

Typical suspended shelf set-up.

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