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INSTRUCTIONS

SCIENCEWARE® PORTABLE GLOVE BOX SYSTEM WITH GAS PORTS

CATALOG NUMBER H50028-2001



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PRINCIPLE OF OPERATION

The Bel-Art Products' Portable Glove Box offers a closed environment for a wide range of procedures and testing operations. Molded of white low density polyethylene, it has a transparent acrylic front panel for full visibility of what is happening inside the glove box. This glove box is supplied with two gas ports, each with tapered fitting and on/off valve.

SPECIFICATIONS

H50028-2001 Scienceware® Portable Glove Box System consists of:

Size:	27" W x 13" D x 22" H
Side Entry Ports:	8" I.D. x 3" D
Front Entry Ports:	6" O.D.
Material of Construction:	Shell - white, molded polyethylene Panel - transparent acrylic, gasketed with closed-cell PE; installed with zinc plated screws and nuts, with Buna-N® O-Rings
H50029 - 0000 Gloves:	Neoprene sleeve and glove, non-bonded, one piece. 6" cuff. 20" long. Left and right hand pair. Size large.
H50029 - 0200 Clamping Rings:	Zinc plated steel, 1/2" W, worm-drive adjustable

ASSEMBLY

1. Place the glove box on a flat stable surface.
2. Put the extended gloves into the glove box through the front ports with palms down.

Note that the gloves are hand specific. The open end of the gloves should extend out through the ports.

3. Fold the open end of the gloves over the port extensions and place a clamping ring over each glove top to hold it tightly onto the port extension outside surface.



USE

1. To create an inert gas environment inside the glove box, locate the two (2) gas port fittings installed on the rear of the glove box. Attach gas inlet tubing (1/4 to 3/8" I.D.) to the port located on top left by pressing tubing onto the stepped fitting. Exhaust gas tubing can be attached to the port located on lower right if desired. Gas ports can be opened or closed by turning the red T-bar to open the valve. Port is open when T-bar is in-line with the stepped fitting and closed when T-bar is perpendicular to the stepped fitting. **NOTE: Gas flow into the glove box must not create pressure in excess of 0.5 PSIG.**



2. To remove the side port cover, press the finger curve on the red latch and simultaneously unscrew the cover counter clockwise. Two hands are recommended for this function. Instructions for removal are printed on the cover.
3. After inserting the material to be processed, screw the cover on clockwise and tighten. The ratchet clicks as the cover is tightened, preventing the cover from coming loose until the latch is pressed again. It is suggested that two hands be used to tighten the cover. **Note: The cover seal is secure, but may not be impermeable to all materials.**
4. To work in the glove box after inserting items, remove all jewelry on both hands. Slide hands into the gloves until the fingers are all the way into the glove fingers.

CARE AND CLEANING

Dusting - Gently wipe the surface with a clean, soft, damp cloth or chamois. DO NOT rub with dry cloth. DO NOT USE: gritty cloths, scouring compounds, boiling water, organic solvents - they will damage the surface of the acrylic so that it is no longer transparent, and may craze the polyethylene.

Washing - Wash with a mild soap or detergent and as much water as possible. Cleaners recommended include Aquet® Liquid Detergent with neutral pH [Bel-Art Catalog No. F17094-0030]

WARNING: BEFORE USING THIS PRODUCT, CONSULT A HAZARDOUS MATERIALS SAFETY PROFESSIONAL FOR PROPER SAFETY AND HANDLING PROCEDURES FOR YOUR PARTICULAR APPLICATION.

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