



Techni-Dome® 360 Glove Chamber

Catalog No. F50030-0000



CAUTION:

DO NOT AUTOCLAVE

DO NOT USE above a maximum temperature of 41°C (105°F).

Glove box is designed to be used at room temperature.

DO NOT USE concentrated acids as desiccants.

DO NOT USE with organic solvents. Organic solvents and their vapors may attack the clear polycarbonate

material and cause crazing (hairline cracking) of the surface. Crazing will weaken the glove box walls.

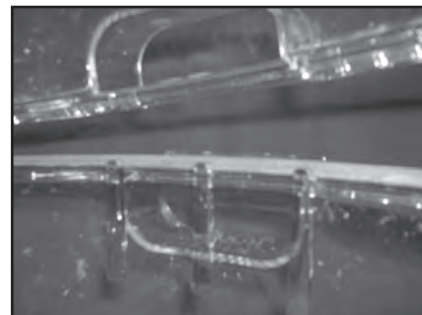
The clear plastic spherical glove box is molded of high-strength polycarbonate. The two 6 inch diameter access ports accept gloves and clamping rings (not included). See the H50025 series of gloves and the adjustable clamping ring H50025-0320 in the Bel-Art catalog or web site.

How to use

After assembling the gloves to the access ports in the top half of the glove box, place unopened samples or materials to be processed in lower half of the glove box. Two white perforated polypropylene shelves, one 23 cm (9") diameter and one 38 cm (15") diameter can be mounted in the bottom of the glove box on their appropriate supports. Assemble for use following assembly guidelines below.

Assembly instructions

The top half includes two ports that accept Bel-Art neoprene gloves, catalog # H50029-0000 and clamping rings catalog # H50029-0200, order separately. Secure gloves with clamping rings per instructions included with gloves.



Four included nylon screws with nuts hold the top and bottom halves of the glove box tightly together. Align the lifting handles on the two halves and insert the 4 nylon screws through the 4 elongated holes adjacent to the lifting handles. Thread the nylon nuts onto the screws and tighten until snug. Do not overtighten.

Each half of the glove box has a small port for use in purging the dome with nitrogen or other atmosphere. One port has a stopcock and the other port has a plug. The stopcock slides over the outside of the port and the plug fits inside of the other port. The barbed arm on the stopcock accepts tubing with inside diameter of 6 to 8 mm (1/4" to 3/8"). The purging gas enters through the stopcock and exits from the opposite port. Purging gas should be maintained at about atmospheric pressure. The Neoprene gasket on the flange prevents escape of gas. Do not attempt to pressurize the glove box; it is not designed for this use.

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