

BASIC POLYMER GLOVE BOX

This polymer glove box can be adapted to control a wide range of environments and atmospheres.



- 8307025: 2 ft. Glove Box
- 8307030: 3 ft. Glove Box (pictured)
- 8307040: 4 ft. Glove Box
- 8307050: 5 ft. Glove Box (2 person unit)

These glove boxes are an economical way to perform and maintain a wide range of atmospheres and functions, including use as a dry glove box, inert gas (nitrogen) glove box, isolation glove box, anaerobic chambers, oxygen and humidity control glove boxes. Used with a variety of accessories and available in polycarbonate or UV resistant plastic, this glove box is easy and affordably customized for your needs.

DETAILED DESCRIPTION

Coy Laboratory Products Polymer Glove Boxes can provide your desired environment for critical operations in such industries as semiconductor and pharmaceutical testing and manufacturing. Hermetically sealed enclosures provide a controlled atmosphere for a wide range of manufacturing and testing operations. Their modular design lets you select the options you need for your operation.

Select from materials to suit your requirements. Use polycarbonate for operations that involve thermal stress or UV-Resistant Acrylic which permits the use of UV light inside the chamber without damage to the integrity of the plastic.

All glove boxes are fabricated to meet rigorous standards for cleanliness and durability. Solvent welding ensures a strong, airtight structure that won't leak. The gaskets on the side doors provide a safe, positive seal without interfering with full access to the internal chamber. The 45deg front slope allows the operator an uninterrupted view of work in progress.

The patented diaphragm top increase the ease with which the operators hands enter and exit the glove box and increase cost savings as less glove box gas is expelled to the lab atmosphere.



For applications involving large equipment, request the optional, fully gasketed 32" x 20" (81 cm x 51 cm) removable back wall or oversize door in the side wall. Dual 8" (20 cm) round arm ports come equipped with flanges for easy connection of gloves or gloveless sleeve, which may be ordered as desired. The optional Arm Port Plugs maintain an airtight chamber while gloves are changed.

Applications

- *HUMIDITY CONTROL*
- *OXYGEN CONTROL*
- *ISOLATION, CONTAINMENT*
- *AEROSOL OR SPLASH CONTAINMENT*
- *NITROGEN DRY GLOVE BOX*
- *CONTROLLED PACKAGING*
- *SMALL ANIMAL CONTAINMENT*
- *TISSUE CULTURE*
- *TEMPERATURE CONTROL*
- *DRY GLOVE BOX*

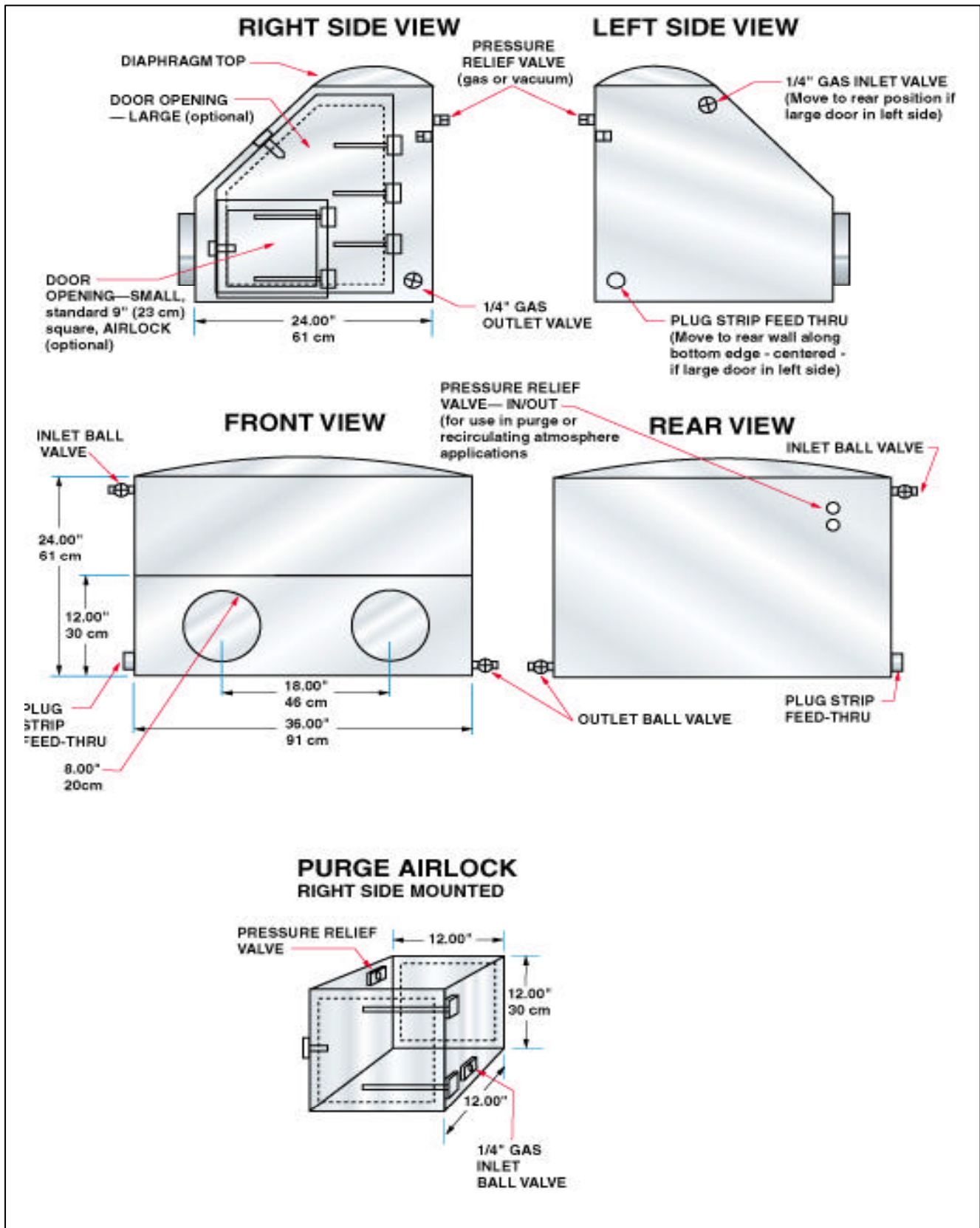
AIRLOCKS ALLOW CONVENIENT ACCESS

The Glove Box can be attached to an Airlock to maintain the integrity of the controlled environment without sacrificing convenience. Choose from 3 standard styles

- Pass-Thru
- Manual Purge
- Automatic Purge

Purge and Pass-Thru Airlocks mount on the right side of the glove box (left-mounting available on request). They minimize glove box atmosphere loss and contamination when parts are moved in and out. Connecting Airlocks can extend system flexibility by mounting to either the right or left side of the glove box; a double flange design allows several glove boxes to be connected in series. All airlocks include a 1/4" NPT pipe tapped opening for connection of purge gas, and a 3/4" NPT outlet to accommodate a safety relief/bleed valve.





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SPECIFICATIONS

NOTE: These glove boxes are not designed for vacuum or pressure applications.

CHAMBER SIZE* 36" wide x 24" deep x 24" high (91cm x 61cm x 61cm)	ARM PORT PLUGS (Option) Gasketed to create air-tight seal
DOOR OPENINGS 9" x 9" (23cm x 23cm) with fully gasketed doors	GAS PORTS 1/4" (6.5mm) NPT inlet and outlet ball valves
AIRLOCK (option)* 12" x 12" x 12" (30cm x 30cm x 30cm)	MATERIALS Polycarbonate or UV Resistant
ARM PORTS 8" (20 cm) round with flange for connecting glove.	WEIGHT Approximately 48 lbs. (22kg)

*** Please inquire about other sizes available**

Standard Equipment

- Glove Box, 36" w x 24" d x 24" h (91cm x 61cm x 61cm), polycarbonate or UV resistant acrylic
- Gasketed (sealed) door openings, 9" x 9" (23cm x 23cm)
- Arm ports to accept 8" x 30" gloves
- 5-outlet plug strip
- 1/4" NPT inlet/outlet ball valves
- Diaphragm top
- Pressure Relief Valve

Optional Accessories

- Humidity control <5% - 100% Rh
- Oxygen control <5% - 60% (100%)
- Temperature control 13 degrees C -- 65 degrees C
- Airlock or pass-thru
- Polycarbonate or UV-Resistant Acrylic
- Clean, filtered atmosphere
- Removable, gasketed rear wall for large equipment entry 32" x 19" (80 cm x 47.5 cm)
- Arm port plugs
- Large Side Door 18" x 18" (45 cm x 45 cm)