

Vacuum Glove Box

Model: VGB-4A

Large Stainless Steel Vacuum Glove Box (Chamber Size: 44"x29"x35") with Airlock Chamber



VGB-4A is a heavy duty stainless steel glove box equipped with airlock chamber, gauges, and vacuum flanges. This glove box can operate under vacuum to remove moisture and oxygen without expensive inert gas purging. It is an ideal tool for material and chemical researchers to process air sensitive materials and solutions.

Glove Box Chamber

Case Material:	Made of 11 gauge (3mm thickness) 304 stainless steel sheet with sport frame, which provide heavy duty structure for vacuum
Dimensions:	1120 x 740 x 900 mm (LxWxH)
Max. Positive Pressure:	810 Torr (1.1 atm) Note: Gloves cannot work if pressure is higher than 810 Torr
Max. Vacuum Level:	0.5 Torr Note: Stainless Steel case may deform at higher vacuum level
Leakage Rate in Glove Box:	< 3 Torr/hour

Air-lock Chamber

Dimensions:	360 mm (ID) x 435 mm (L)
Max. Vacuum Level:	0.05 Torr

Transparent Front Panel

Dimensions: 1040 mm (L) x 405 mm (W)
Removable for putting in devices with 3mm thick Plexiglas

Vacuum gauge and valves

- One vacuum gauge is installed in airlock chamber.
- 1 set of 1/2" barbed needle valve and 1 KF-25 Vacuum port built in airlock chamber.
- 1 KF40 port and 2 1/2" barbed needle valves are built on the chamber side of the glove box.
- 2 sets KF25 port are built on the back of glove box chamber.
- 3 sets KF40 port are built on the back of glove box chamber for connecting to gas purification system.

Power Extension

One extension socket (Max. power 1500W) is installed in the glove box main chamber.

Note: 110V power cord was included for immediate use.
(For 208~240V power supply, no plug will be included)

Gloves

Glove port size: 190mm in diameter.

One pair of 8" Latex Gloves are included for immediate use.

Optional: You may order a pair of 8" ButadyI® Gloves (with increased stretching, bending ability and tear strength, and offer strong resistance to aromatics, hydrocarbons, solvents, fats, and acids)

Clamps and sealing flanges included.

Vacuum pump and fittings (Optional)

Vacuum pump and fittings are not included.

