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Product Brochure



GLOVE BOX

Stainless steel vacuum glove box

GBV

The vacuum degree can reach -0.1MP, suitable for general water and oxygen content requirements

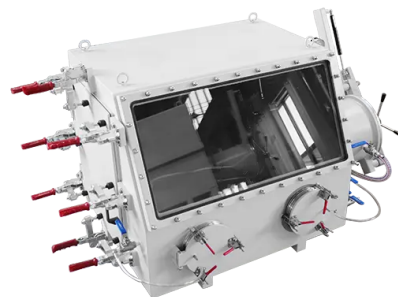
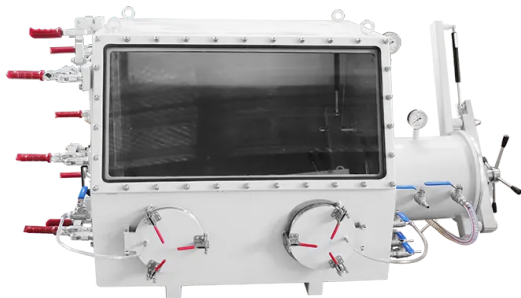
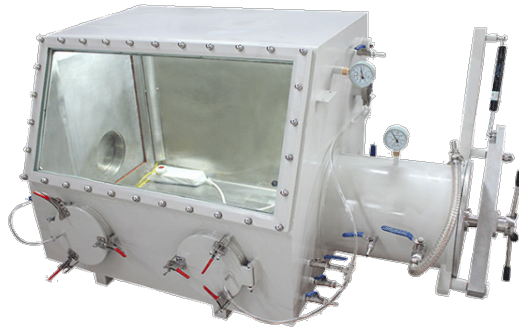
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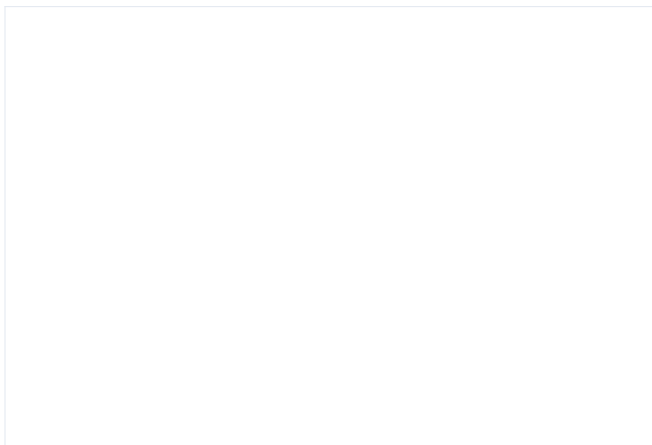
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Product Overview

The vacuum degree can reach -0.1MP, suitable for general water and oxygen content requirements





Product Introduction

Technical parameters

Vacuum stainless steel glove box model

Glove box number description

GBV Product code (Vacuum Glove Box)

1 Available in Type 1, Type 2, and Type 3

Part nameProduct model	GBV-1	GBV-2	GBV-3
AppearanceLxWxH(MM)	1030*570*530	1295*715*675	1755*776*1010
Cabinet L1xW1xH1(MM)	600*500*500	800*650*650	1200*700*950
Clear space inside the box	460*345(top) 490 (lower) x490	660*460(top) 640 (lower) x640	660*460(top) 640 (lower) x640
Transition warehouse (MM)	φ200*280	φ273*350	φ350*400
Left door opening size (optional)	330*260	360*480	400*600
Transition compartment drawer (optional)	126*250	202*320	282*350
Tool bin (optional)	none	none	φ150*300
Glove hole (MM)	f150	f150	f196
Box working pressure range	0~0.1MPa, pressure holding time 12 hours		

Special customization



Material



size



shape

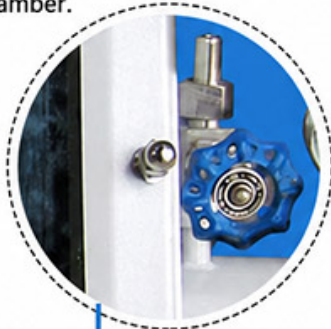


Other customization requirements



Viewing Window

The front-facing panel of the glove box is made of organic glass, providing a wide field of view with no blind spots. The operator can clearly observe the operation process inside the chamber.



Vacuum Ball Valve

There are two vacuum ball valves on the chamber body, which can be used as needed. Hose connectors are installed on both the inside and outside of the valve, allowing water or gas to be connected when required.



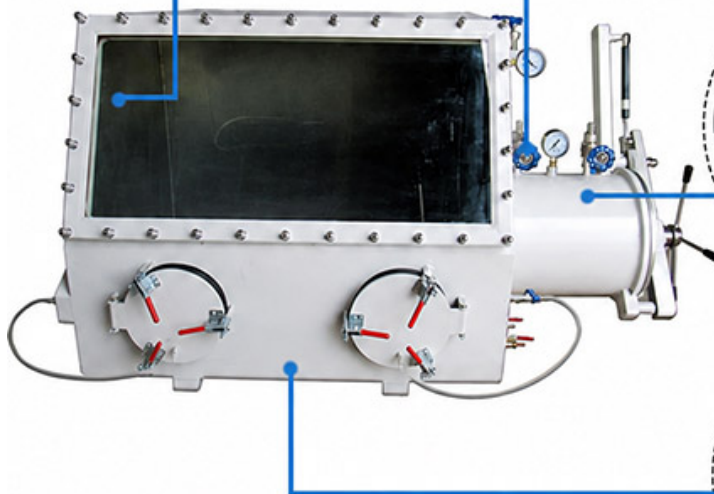
Transfer Chamber

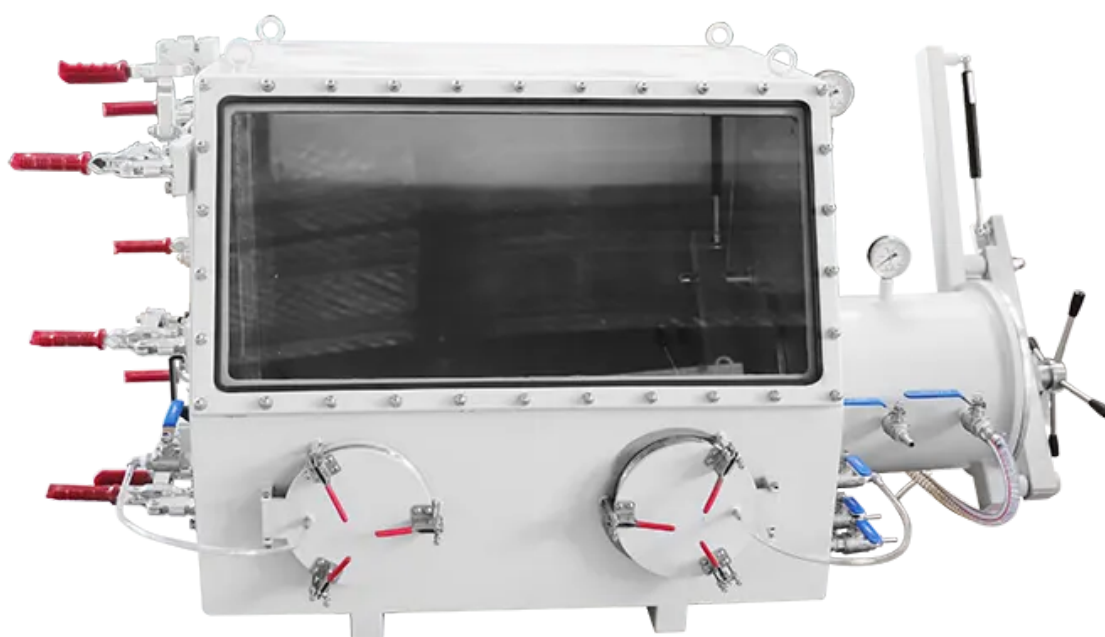
The two doors of the transfer chamber solve the problem of repeatedly vacuumizing the main chamber.

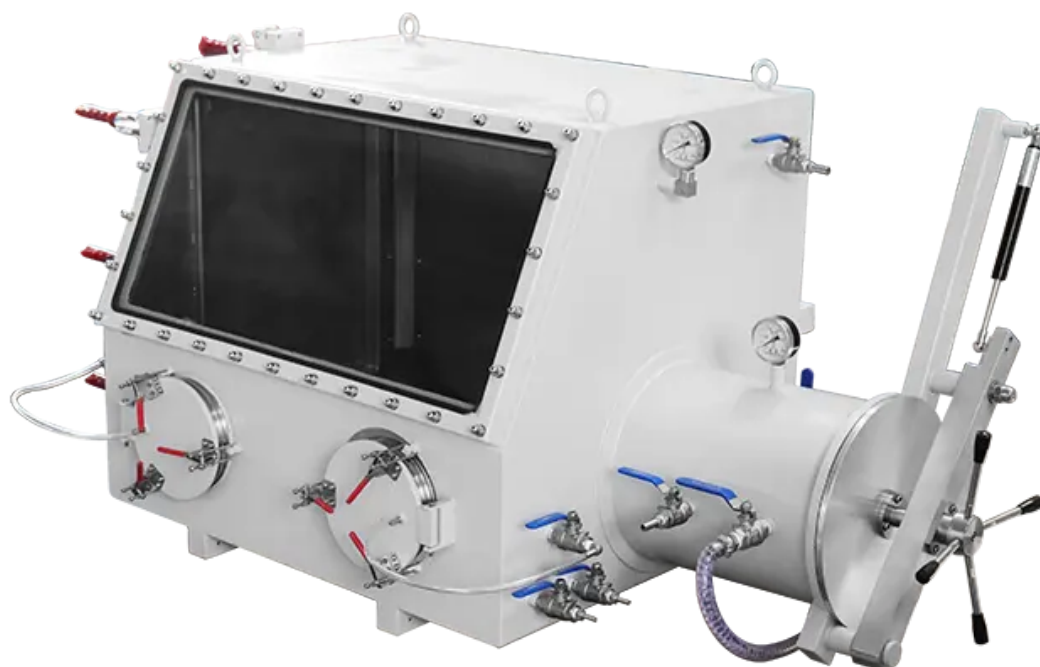
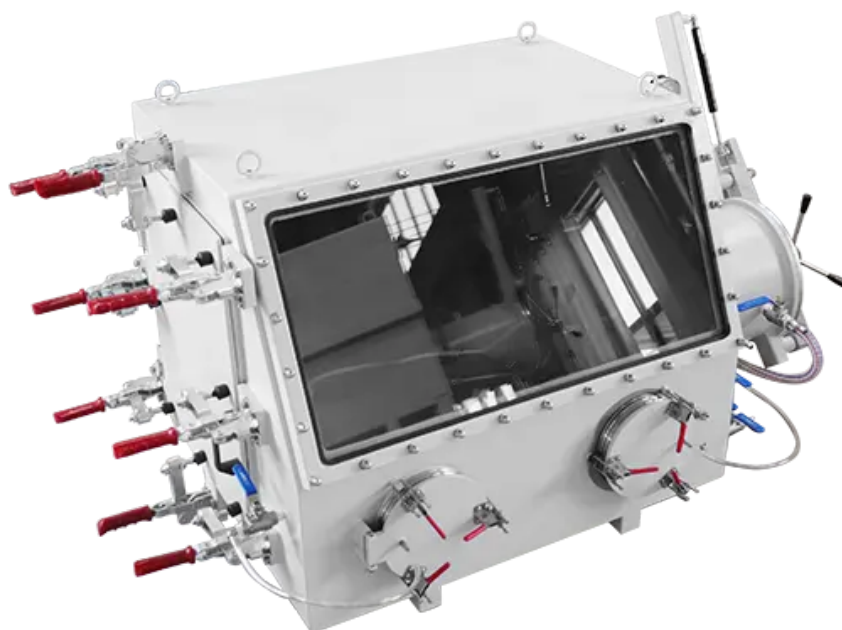


Chamber Body

The entire chamber is made of stainless steel with a polished finish and a spray-coated surface, making it sturdy, corrosion-resistant, and easy to clean.







Working Principle

The vacuum glove box is mainly composed of the main box and the base. If the user has other special requirements, it can also be designed or modified as needed.; There are two to three glove operation interfaces on the box. The operation box is faced with plexiglass and has a wide viewing angle. The operator can clearly observe the operation process inside the box, making the operation process more intuitively displayed in front of the operator's eyes. There are two vacuum ball valves on the box, which can be used by users as needed. Water nozzles are installed inside and outside the ball valve, which can be accessed when water or ventilation is needed. The box is equipped with lighting bulbs and multi-hole sockets.

01 Viewing Window

The front panel is equipped with an acrylic window, providing a wide, unobstructed view so the operator can clearly observe the work inside the box.

04 Glove Ports

The operating gloves are made of thick latex, providing reliable sealing and durability.

05 Main Chamber

The entire chamber is made of stainless steel and finished with a durable coated surface, making it sturdy, corrosion-resistant, and easy to clean.



02 Vacuum Ball Valves

Two vacuum ball valves are installed on the box and can be used as needed. The inner and outer connection ports of the valves can be used to connect water or gas when required.

03 Transition Chamber

The two-door transition chamber avoids the need to repeatedly vacuum the main chamber.

Product Features

- 01** The entire box is made of stainless steel, reinforced and sprayed with plastic on the surface, so it is strong, corrosion-resistant and easy to clean.;
- 02** The operation box is faced with tempered glass and has a wide viewing angle.;
- 03** The box is equipped with lighting and multi-hole sockets, and an electric stove can be used for local heating.;
- 04** The operating gloves are made of thick latex gloves, which are reliable and durable.;
- 05** The sealing device is novel in design, reliable in sealing and easy to open.;
- 06** There are water nozzles inside and outside for water and air intake.;
- 06** The two doors in the transition chamber solve the problem of repeated vacuuming of the main box.

Accessories & Customization

Accessories

Grinding jars, heating elements, sample holders, control modules and other matching accessories can be selected according to the product configuration.

Customization

For voltage, capacity, chamber size, process temperature or application requirements, please contact TENCAN for a suitable configuration.