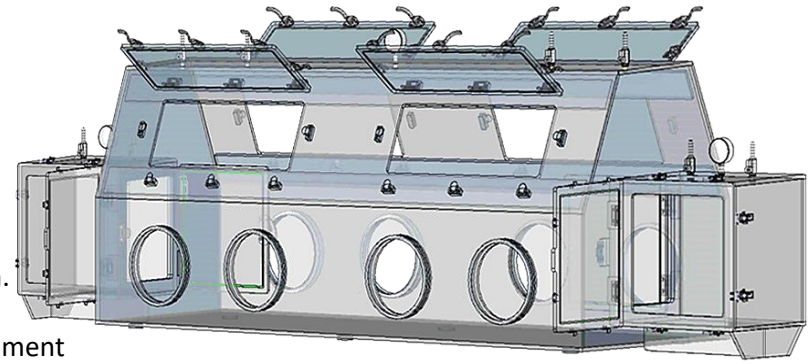
Glove Box : G180B-xxD Series

3A Instrument Co., Ltd.

for control environment with close system.

These basic compact Dry glove boxes provide low-humidity, low-oxygen Free controlled environment when used with Close system . Includes inlet-outlet gas port for inert gas condition testing . Dry Glove Box system ***Glove boxes are ideal choice for laboratory testing cost system in such industries as Laboratory, Research Testing, pharmaceutical, Cosmetic, Semiconductor, Batteries, Electronic, Solar cell and University research.*** tem designed for easy transfer of samples and close system for dry glove box.

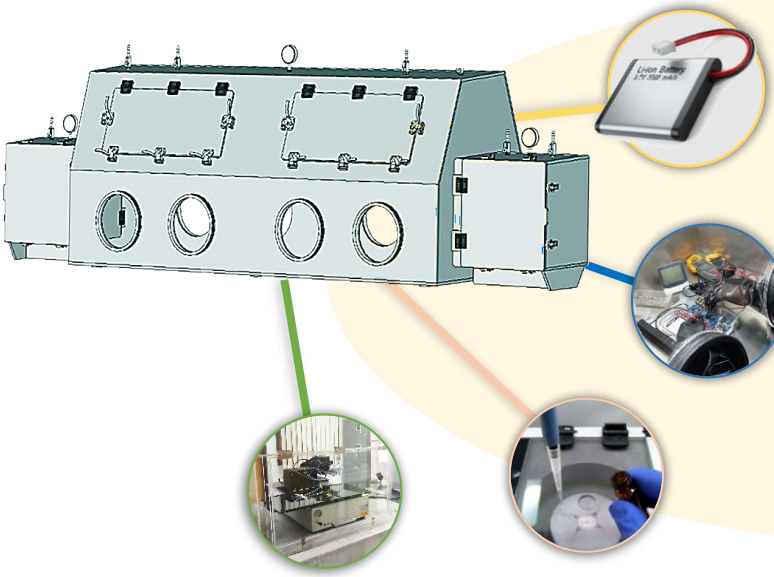
Features:



- **Clear Acrylic thickness 10 mm with large opening.**
- Can be cleaning inside system with the inert gas port.
- Two glove port diameter 200 mm.
- Dry glove boxes provide low-humidity, controlled environment when used with Close system.
- Glove Box design for negative pressure and positive pressure testing.
- **Double Pass box allow convenient sample parts transfer.**

Application

- Close system testing for Laboratories of pharmaceuticals, Biological, Chemical.
- Weighing samples of moisture sensitive drug powders.
- Experiments that require low-humidity conditions.
- Operation of various instruments requiring environmental control, Equipment Enclosure such as Instrument.



- ***Anaerobic Test Glove Box.***
- ***Negative or positive pressure glove box.***
- ***Vacuum Glove box.***
- ***Biosafety Glove Box.***
- ***Benchtop Glove Box for control Environment Equipment Enclosure.***
- ***Gas control system nitrogen purge for low –humidity.***
- ***Temperature and Humidity control.***
- ***Programmable process Controller Temperature and Humidity.***
- ***Basic Research Glove Box.***

3A INSTRUMENT CO., LTD.
200/61 Moo.5 Tambon Bangruknoi,
Amphur Muang Nonthaburi, Nonthaburi 11000, Thailand.
Tel. +66 2046 0691-2, +66 2046 2608
Fax. +66 2045 2608,
Email: Contact@3ainstrument.com, Sales@3ainstrument.com,
WWW.3AINSTRUMENT.COM

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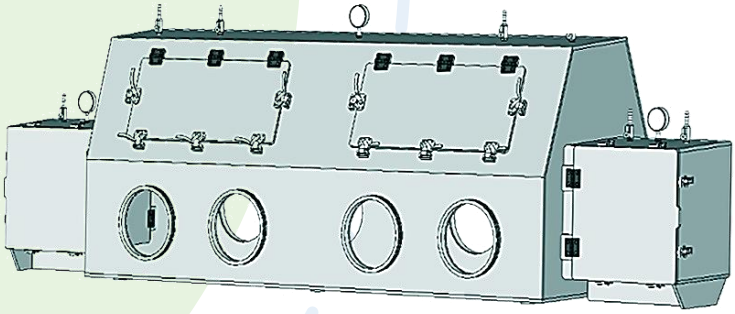
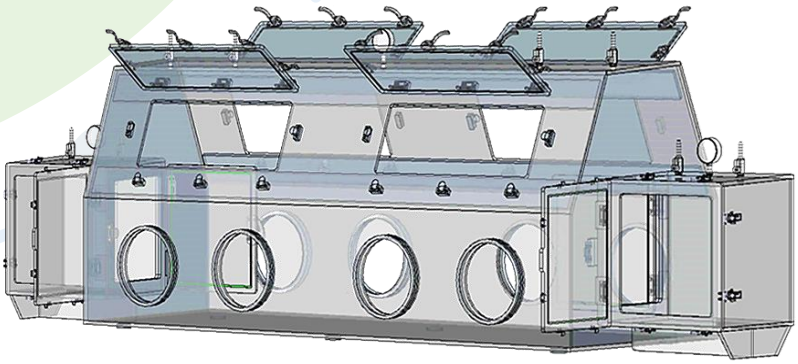
Benchtop Glove Box

- **Dry glove boxes provide low-humidity, controlled environment when used with Close system.**
- Glove Box design for negative pressure and positive pressure testing.
- Environment Equipment Enclosure for application Microscope , Balance and determination Instrument Laboratory control .
- ***Gas control system nitrogen purge for low –humidity***





Chamber

- Easy open and operate system .
- Glove Port ID 150 or 200 mm for use Long gloves Diameter 220 mm, Length 800 mm.
- Gas (N_2, O_2, or Ar) in port Push-to Connect fitting and gas-out bleeding valve with Flow meter for gas control system.
- Glove port with O-Ring 2 Set (4 pcs)
- Option for Gloves Material : Natural Rubber, Neoprene, Hypalon CSM, BHP, PUR and EPDM Gloves

Pass Box

- The PASS BOX is Accessories to transfer samples into the inside glove box, with size W350 x D300 x H300 mm. Side open window.
- The 300 x 300 mm. opening allows for parts to be easily placed inside the glove box with door slide.
- ***Gas (N_2, O_2, or Ar) in port Push-to Connect fitting and gas-out bleeding valve. Flow meter for gas control system.***

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Specifications:

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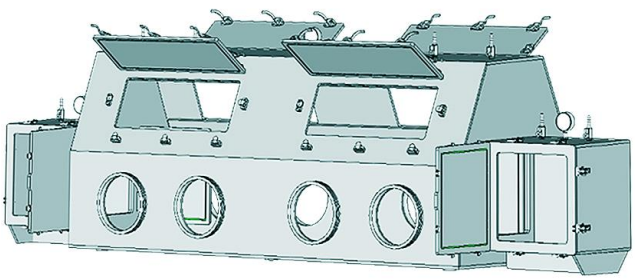
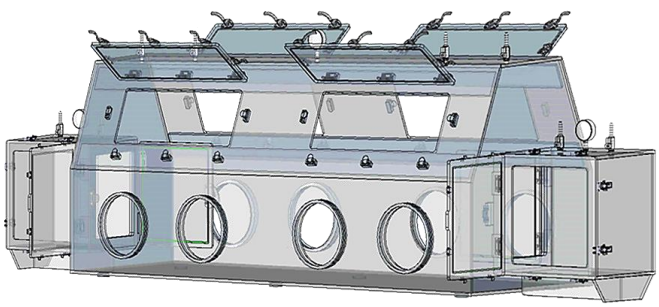
Model	G180B-21D	G180B-22D	G180PC-22D
Material	Clear Acrylic	Clear Acrylic	Polycarbonate
Material Thickness (mm) :	10	10	6
External Dimensions (Main Chamber)	W 1800 x D 800 x H 700 mm.		
UVC Lighting 15 W.	Option.		
Lighting 15 W .	Yes.		
Gas Port : for inert gas such as nitrogen, argon, air, etc.(4 pcs)	Yes.		
Analog Pressure Gauge : 0 - 1 bar	Yes.		
Door open big side :	-	W 540 x D 200 mm.	W 540 x D 200 mm.
Side Door right open :	-	Yes.	Yes.
Glove Port Diamention (8 port) :	ID 200 mm. (Option ID 150 mm)		
Pass Box for sample transfer : - **Size** : W410 x D370 x H370 mm - Inlet/Outlet Gas Port , 2 pcs - Analog Pressure 0-1 bar, 1 pcs	1 set	2 set	2 set
Carbon Filter with Blower	Option		
Hepa Filter with Blower	Option		
Auto Dry for low humidity	Option		
Temperature &Dehumidity Control - Thermoelectric Cooler - Anti-Condensation Heater - Dehumidifier	Option.		
Power Socket : 220V,50-60 Hz,	Yes. (2 Channel.)		
Gloves: Port ID 220 mm,Length 800 mm	Yes. (Options) Material : Natural Rubber /Neoprene/CSM/BHP/PUR/EPDM		





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Drawing dimensions

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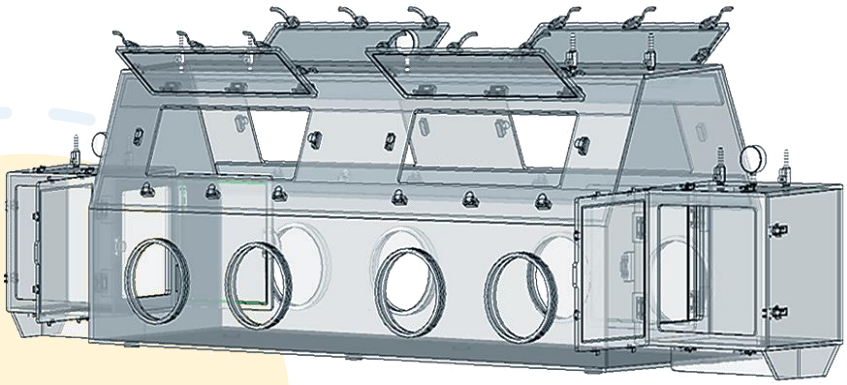
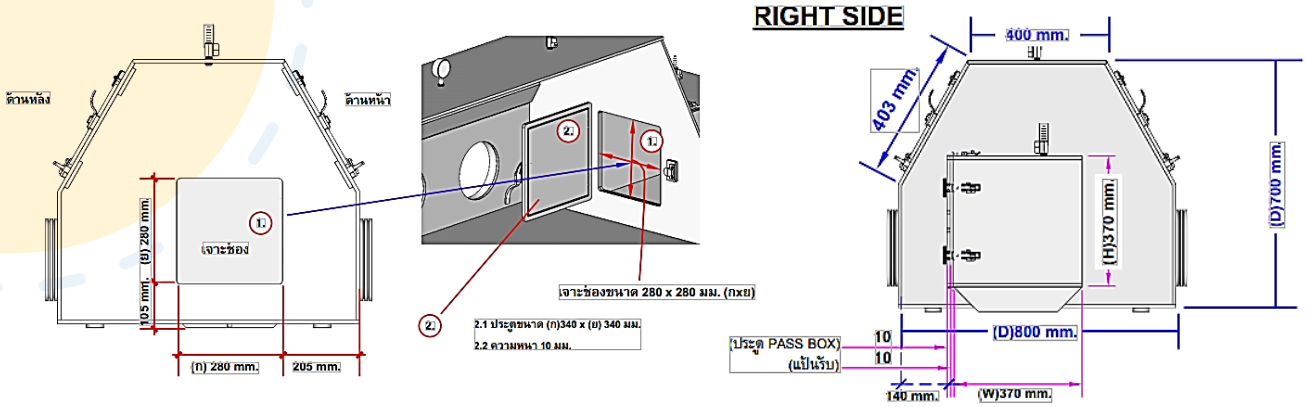
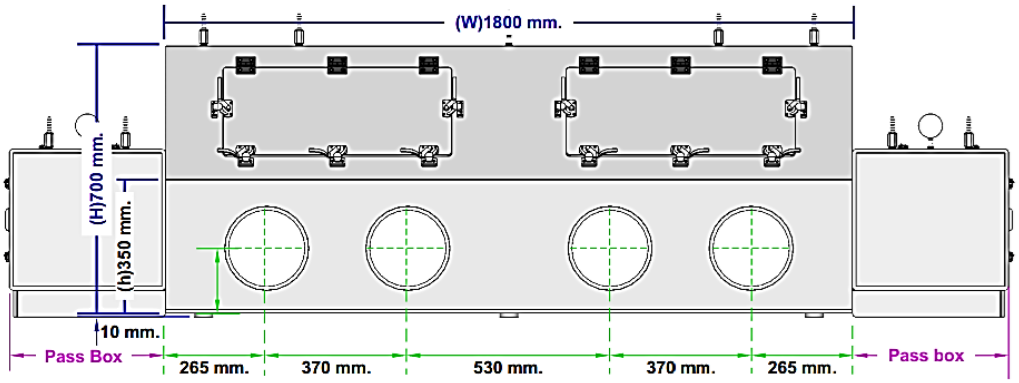
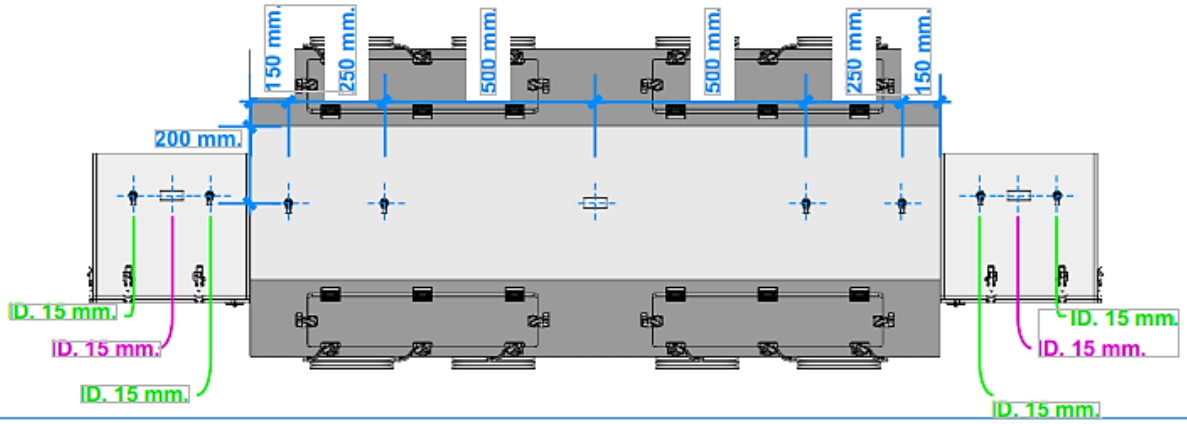


Main Chamber

- **External Chamber Dimension:** W1800 x D800 x H700 mm.
- **Main Chamber: Clear Acrylic**
- **Thickness: 10 mm.**
- **Open Door** internal Dimension: W540 x D200 mm.







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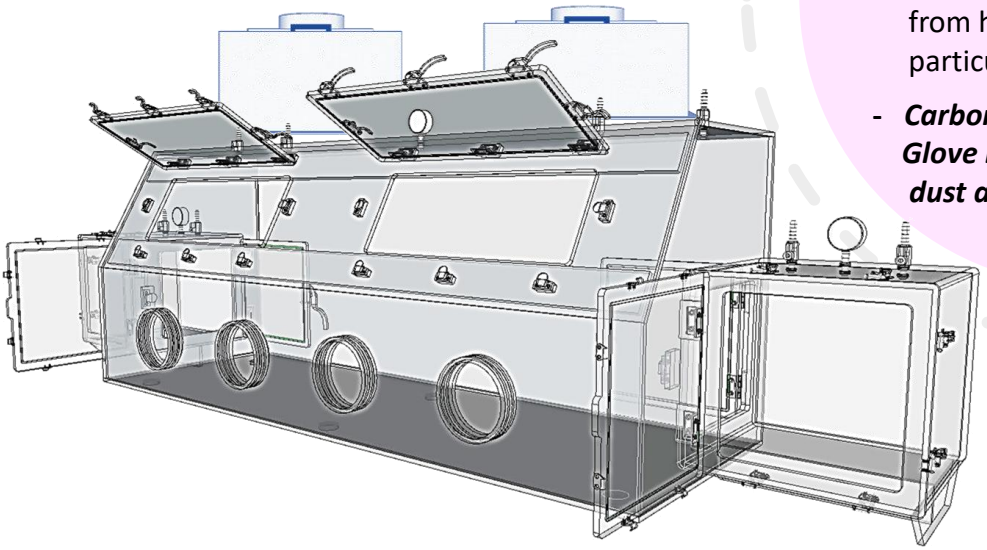


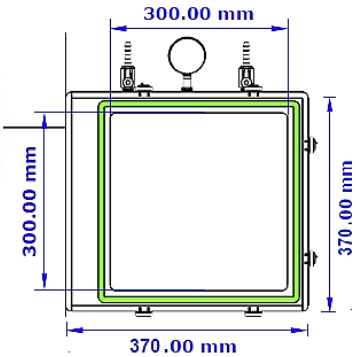
Hepa/Carbon Filter

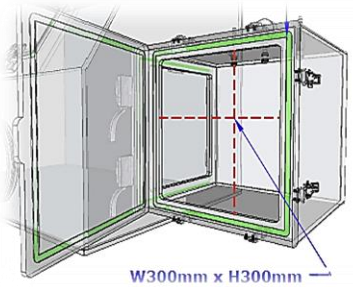
- **HEPA-Filtered with blower Glove Boxes** have inlet and outlet HEPA filters and provide barrier to protect the operator from hazardous airborne particulates and powders.
- ***Carbon filter with Blower Glove Box Helps prevent dust and chemicals.***

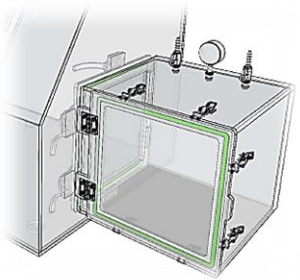
Pass Box Transfer sample

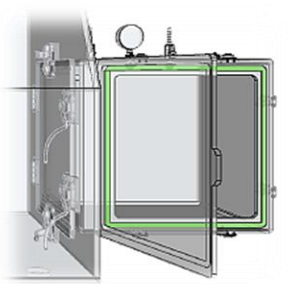
Pass Box

- **Open Door internal Clear Acrylic:** W250 x D250 mm.
- **External Diamension:** W300 x D300 x H300 mm.
- Inlet/Outlet for inert gas Port 2 pcs.
- Pressure gauge 0-10 bar: 1 pcs.









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Accessories / Spare Part

3A Instrument Co., Ltd.

Stainless Needle Valve

Molecular Sieve

Temp/Humidity Data logger

POM Glove Port

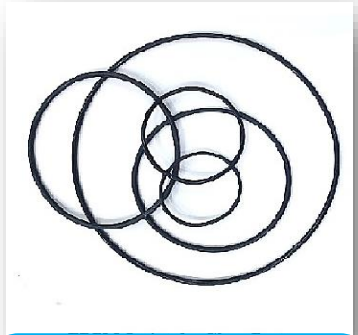
Long Gloves/ PIERCAN

Vacuum Pump

Ball Valve stainless steel

Ball Valve stainless steel

Vacuum Chemical diaphragm



EPDM O-ring

Thermoelectric cooler

Digital Controller

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Technical Dry Gloves for Glove Box

Technical Material gloves for all industrial and laboratory testing.

PIERCAN Glove is high quality product form France. The range of gloves that PIERCAN offers is very wide, comprising dry box gloves, sleeve, and isolator glove.

CSM

Chlorosulfonated Polyethylene glove (CSM).
- Resistance to ozone, UV and Sterilizing agents (VHP*).
- Excellent mechanical properties.
- Resistance to ionizing radiation and sterilizing process (Gamma and Beta Radiation).

VHP* (Vaporous hydrogen peroxide)

Black EPDM

Ethylene Propylene Diene Monomer glove.
- Antistatic
- Excellent Flexibility and dexterity.
- Excellent chemical properties, good mechanical properties.
- Composition in accordance with the FDA positive list (CFR 21 § 177. 2600).
- Resistance to AUTOCLAVE, GAMMA & VHP Sterilization 75 cycles of 30 minutes at 121 °C.

Natural Rubber

Natural rubber glove (polyisoprene)
- Excellent flexibility and dexterity
- Good resistance to alcohols, reducing acids and diluted bases.

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DRY GLOVE

for the Pharmaceutical and Cosmetics manufacturing.

Neoprene

Polychloroprene glove
- Good mechanical properties.
- Good general resistance to chemical products.
- Very good resistance to sterilisation agents (hydrogen peroxide) and radiation sterilisation (Gamma and Beta rays).
- Good technical and cost-effective compromise
- Self- extinguishing.

POLYURETHANE

POLYURETHANE glove
- Excellent mechanical properties (punctures, tears, abrasion)
- Highly resistant to ozone and UV rays

POLYURETHANE / CSM

Two layer polyurethane and chlorosulfonated polyethylene glove.
- A glove that combines mechanical properties (polyurethane) with chemical resistance (CSM)
- Good resistance to chemical sterilising agents (CSM side)
- High resistance to ozone and UV. Good resistance to ionising radiation.
- Excellent resistance to disinfectants.

High Butyl Properties

Polyisoprene isobutylene glove.
- Electrostatic dissipative glove in accordance with EN 16350.
- Highly impermeable to liquids and gases
- Good ability to withstand chemical products
- Highly resistant to ozone and UV rays
- Good flexibility and dexterity
- Antistatic (compliant with European standard EN 16350-2014)

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