



# Available Options

## Internet Remote Control and monitoring

- Remote monitoring and control via PC or smart phone
- Data encryption and backup
- Failure alarm with user notification
- Remote troubleshooting, debugging, and restoration



## Internal Solvent Absorber

- Installed inside the glovebox for solvent vapor absorption
- Absorbent: 1.25kg activated carbon



## Regenerable External Solvent Absorber

- Remove solvent vapors
- Absorbent: 9kg molecular sieves
- PLC-controlled regeneration process including heating, rinsing, and evacuation
- Inline installation with purifier effectively removes harmful solvents from the glovebox atmosphere



## Replaceable External Solvent Absorber (9kg)

- Remove solvent vapors
- Absorbent: 9kg Activated Carbon
- Automatic purging and evacuation
- Dual KF40 ports for easy absorbent unloading and refilling
- Inline installation with purification system for effective solvent removal from glovebox atmosphere



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### HF Absorber

- Removes hydrofluoric acid and solvent vapors
- Absorbent: 4.5 kg activated carbon mixed with 4.5 kg activated alumina
- Automatic purging and evacuation
- Dual KF40 ports for easy absorbent unloading and refilling
- Inline installation with purification system for effective solvent and HF removal from glovebox atmosphere



### H<sub>2</sub>S Absorber

- Removes H<sub>2</sub>S Acid and solvent vapors
- Absorbent: 4,5 Kg Activated Carbon mixed with 4.5Kg Impregnated NaOH Activated Carbon
- Automatic purging and evacuation
- Dual KF40 ports for easy absorbent unloading and refilling
- Inline installation with purification system for effective solvent and HF removal from glovebox atmosphere



### Heated Antechamber

- Max. 150°C, 200°C, or 250°C (Chiller is not needed for 150°C)
- PID temperature controller
- Insulation layer



### Cold Well

- Stainless steel well built into the glovebox floor
- Size: Ø150mm, Depth 190mm (custom sizes available) with cover
- Equipped with DEWAR for liquid nitrogen filling
- Includes lift platform



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### Freezer

- Left-mounted, door opens inside
- Volume: 30 liters
- Minimum temperature: -30°C
- Ground-installed compressor
- Temperature controller prevents frequent starts; cooling rate managed by controller or time relay



### Ionizer without fan

- Removes localized static charges effectively
- 12" ionization range
- Pulse rate and ionic balance controls for precise calibration of Counter SPI
- Ensures optimal ion balance and output



### Heat Exchanger

- Fan and radiator with heat-dissipating ducts
- Water inlets/outlets
- 1kW or 2kW chiller required



### Air Conditioner

- Top-mounted on GB
- Cooling capacity: 1kW, 2kW, 3kW
- Temperature range: 23–35°C



### Nitrogen Removal System

- Effectively remove nitrogen inside the glovebox
- Using argon as working gas.



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## T-Shaped Antechamber

- Connecting two independent gloveboxes.
- It features small, large or combined configurations for item transfer.
- It enables seamless transfers while preventing exposure to ambient air, avoiding sample contamination.



## Glove-port Cover

- For gloves replacement



## Water Trap

- for regeneration water exhaust)



## Feedthroughs

- Power Cord feedthrough
- Gas/Fluid feedthrough (optional manual valve available)
- BNC feedthrough
- USB feedthrough
- HDMI feedthrough
- Binding Posts feedthrough
- Power Junction Box
- VTI Custom Feedthrough (per customer request)



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## Other options and custom designs

- UL certification
- Dry scroll pump
- Customized glovebox and antechamber sizes
- Integration of customer instruments (e.g., evaporator, ALD system, spin coater)
- Safety relief valve on glovebox
- Polycarbonate windows
- Quick-release windows
- Antechamber with interlocking door
- Small chamber with sliding tray
- Antechamber purging without vacuum
- Antechamber refilled from gas cylinder, not box
- Rectangular antechamber
- Pull-out shelves



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