



ISOLATOR

Isolator (positive pressure type)

A high-quality isolator system based on state-of-the-art technology and rich know-how

A barrier system under complete laminar flow.
A closed apparatus with a capsule structure, ensuring protection from cross contamination.

Airtightness



Environment of Clean Room

Grade **C** or **D**

Internal Environment

Grade **A**

Access to the process area using gloves

*Physical access limitations / Elimination of human-related pollution sources

Structures / Specifications

- Welding integrated structure
- Door-seal type Pneumatic-seal type
- Internal circulation type (W-wall type / return duct type)
- Internal environment monitoring



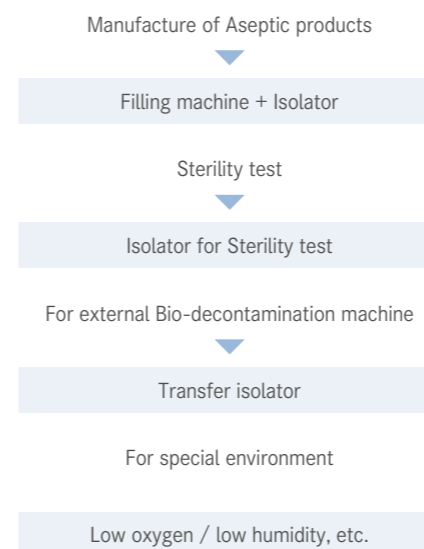
Vial filling line Sterilization



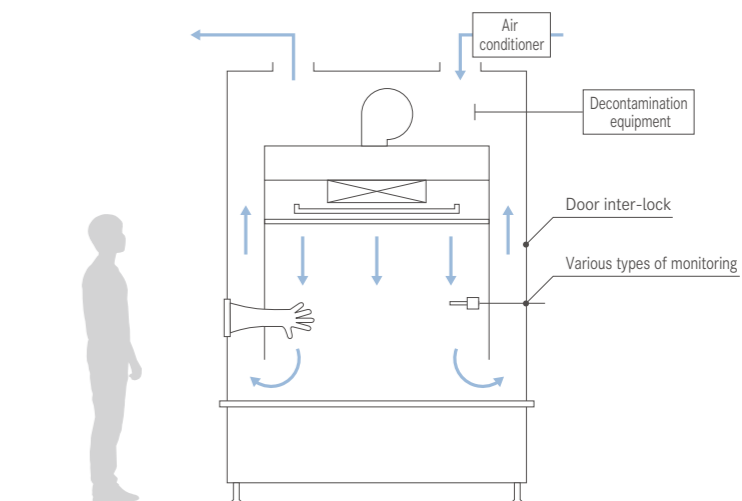
Mock-up



Application case

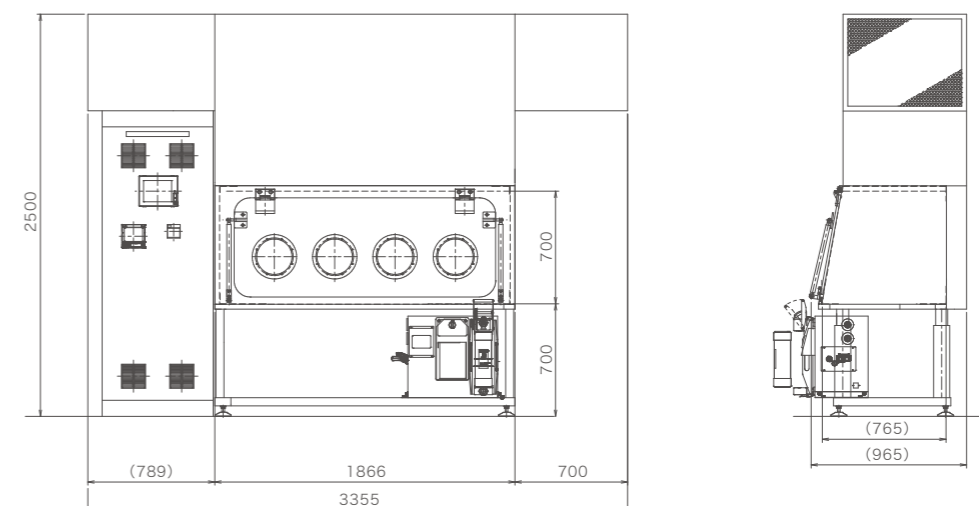


Construction case



Specification case

Isolator for Sterility test



Specifications

- Blowout method: Unidirectional flow
- Blowout air velocity: 0.45m/s ±20%
- Internal pressure: +25Pa(design pressure)
- Monitoring items: Internal pressure / temperature / humidity

- Door: reinforced glass
- Internal temperature and humidity: Arbitrary
- Required utility: Power 3φ200V 3kW
- Compressed air 0.5MPa 3L/min(maximum)



ISOLATOR

Isolator (Containment)

Containment Isolator which protects the environment and workers and improve workability.

Containment Isolator ensures the safety of the operator when handling hazardous substances and prevents the leakage of hazardous substances into the surrounding environment.

Airtightness



Environment of Clean Room

Grade **C** or **D**

Internal Environment

Grade **A** ~ **D**

Access to the process area using gloves

*Contain the internal materials to prevent effect on human body

Structures / Specifications

- Welding integrated structure
- Door seal type Pneumatic-seal type
- One pass or circulation type
- Internal environment monitoring



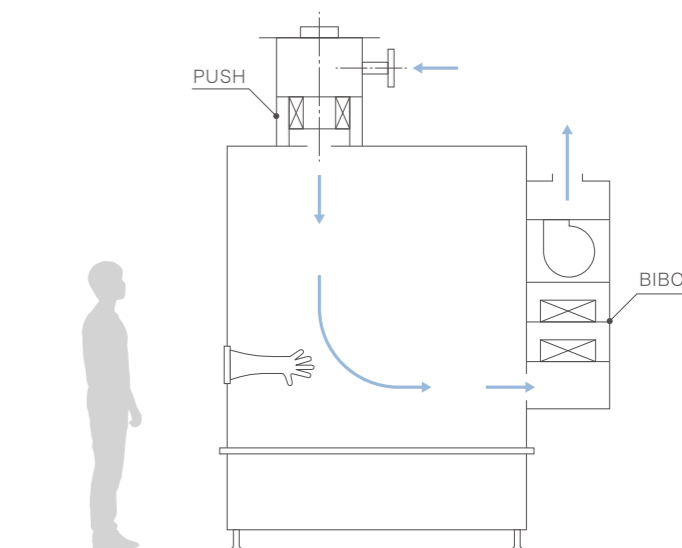
Vial filling line Sterilization + Containment

Application case

Options can be added upon request

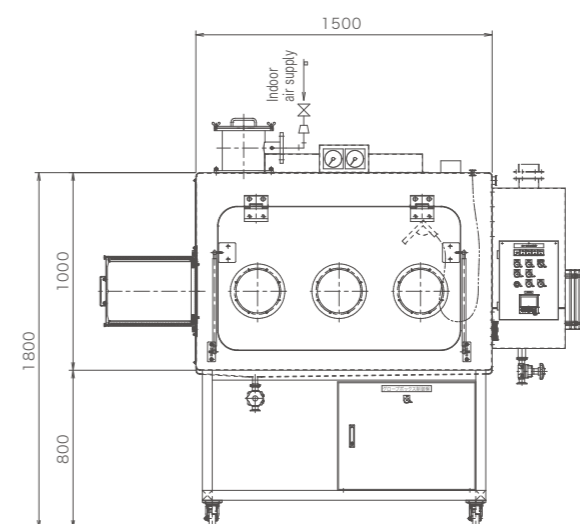
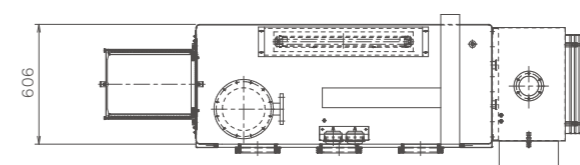
- Supply HEPA: Push type
- Exhaust HEPA: BIBO type
- Low internal humidity
- Nitrogen substitution
- WIP specifications
- Door seal: Pneumatic-seal
- Glove port: Round / Oval
- Material input /output: RTP, PassBox, Bagout Port

Construction case



Specifications case

Weighing isolator



- Specifications
- Effective dimensions: 1500×606×1000 H
 - Containment performance: OEL 0.1 μg/m³
 - Internal pressure: -30Pa or less for the installation room
 - Internal cleanliness: Grade C(ISO8) Non-working
 - Nitro substitution: Yes

