PI

POSITIVE PRESSURE ISOLATORS

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POSITIVE PRESSURE ISOLATORS

DS-110H

General requirements:

- Type: Positive Pressure Isolator for Animal Housing
- Air flow: Unidirectional, HEPA-filtered
- Micro control system, which can detect the temperature, humidity, differential pressure
- Differential Pressure: 50 to 100Pa
- Airflow velocity: 0.2 to 0.4m/s
- Internal sound less than 60db
- Ventilation: 25 to 30 air changes per hour
- Designed for: Animal housing with a minimum capacity of 12 mice cages. Should have 10cm depth shelves with 3 racks.
- Material:304 stainless steel inner and outer
- Cleanliness: ISO class 5

Design:

- Front door clear glass or PETG (Heavy duty)
- Clear PETG or GLASS rectangular transfer chamber
- Fewer gaps and joints for easier cleaning and decontamination

Configuration:

- Clear should be round of inner vertical chamber
- Main Chamber: Approx. 1828.6mm (W) x 914.4mm (H) x 762mm (D) long, 4 nos gloves for handling
- Waste Chamber: 1 Bag In/Bag Out port (Ø304mm OD) included for safe material transfer
- Working table should have dish this type structure
- Temperature humidity, pressure difference monitoring and alarm function
- Pressure loss alarm function c sound and light signal
- Can be cleaned online with CIP
- There should be small 80mm to 150mm drain system on lower side of working parts to take out used part like niddles and liquid this drain should be processing to over and class it.
- All body material should made of SS 304 grade

Incusing:

- Hinged clean PETG or GLASS front door
- Clean PETG or GLASS rectangular transfer chamber (right-mounted)
- Clear PETG or GLASS waste chamber withy 800-BIBO /bag out port (Ø304mm OD)
- Closed loop double HEPA filtration (top-mounted)

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Front door feature:
- Two pairs of glove ports ((∅222mm OD) with white ambidextrous CSM gloves
- Stainless steel hinges and pull-action clamps
- Black silicon/neo propane high quality gas kit.
- Gas springs to hold open of fount door.

Transfer chamber:
- Inner/outer doors with close call black neoprene gaskets and stainless steel hinges and latches
- Inner door includes a ∅11.25 OD screw-on HEPA filter (99.99% at 0.3 microns).

Waste port:
- Inner/outer door system with close call back neoprene gasket and stainless steel hinge and latches
- ∅304mm OD double-grooved bag port mounted to the end of the waste port
- ∅222mm OD glove port ring with ambidextrous CSM glove box glove

Additional feature:
- Lighting: 3-stip LED light package with 24-hours time.
- UV light package with 30 mints time or can be change.
- Temperature/RH monitor
- 1000Watt wall port

Exhaust/filtration system:
- PVC duct work
- In-line ventilator with speed control
- Supply/exhaust filter housings with ∅203mm round HEPA filters
- Two Magnehelic pressure gauges
- Filters accessible from inside the isolator

Documentation to be Submitted:
The vendor shall provide the following documents:
- GA Drawing, Installation and Filter Certifications
- Electrical Circuit & Wiring Diagrams
- Material Trial Report & Calibration Reports

Consumable:
- Glove port ring and 12 armor Flex bags should be included

Specification

Model	DS-110H
Size (W×D×H)	1200×1600×1650mm
Maximum Load Capacity	100–120 kg
Power reuired	308v,-400v 50HZ/60HZ,12kw
Shelves no.s	10 pcs
Tray Size (W × L × H)	590×1220×20 mm
Weight	1500 kg
Control system	7 inch touch screen display
Condenser temperature	≤-45°C
Compressor	2x6HP Tecumseh
Vacuum Pump	DRV90
Controller	SJ-PLC
Control Modes	Manual / Automatic
Temperature Sensor	PT100
Condenser Material	304
Tray material	304 stainless
Shelf Material	Oxidized Aluminum
Packaging size	310x146x191 (LxWxH)cm
Gross weight	1700kg (with cover) 1600kg (without cover)

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DIMENSION IN INCHES

LEFT SIDE VIEW

RIGHT SIDE VIEW

FRONT VIEW

FRONT VIEW
(WITH CART)

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