

SAFETYBOX™ POWDER HANDLING GLOVE BOX



CTS Powder Handling Glove Box systems provide a safe controlled environment for the weighing and manipulation of high potency drugs with OEL's less than $1\mu\text{g}/\text{m}^3$

The SafetyBox™ operates as a single pass through negative pressure HEPA filtered glove box. Air is passed into the enclosure via a safe change HEPA filter and exits via two more safe change HEPA filters back into the laboratory, or if required, into the laboratory extract system.

- Automatically Controlled Negative pressure environment
- Automatic ramp up facility in event of glove breach
- Safe change HEPA filtration
- Internally radiused edging for easy cleanability
- Sample transfer chamber
- Hinged front access panel for easy access
- ECL designed to $5\text{ng}/\text{m}^3$
- Stable weighing environment
- Ergonomic design
- Custom built solutions available

SAFETYBOX™ POWDER HANDLING GLOVE BOX

SYSTEM SPECIFICATION



CONSTRUCTION

- Main chamber: Stainless steel frame with 8mm Optically clear cast acrylic
- Base: Black Trespa
- Internally radiused edging for easy cleanability
- Gloves: White Butadyl (other options available)

DIMENSIONS

- Custom built solutions available

POWER REQUIREMENT (SINGLE PHASE)

- 230v/50Hz/13A Service (EU)
- 110v/60Hz/20A Service (USA)

FACILITIES REQUIREMENT

- Re-circulatory design, can be stand-alone operation or final connected to house extract.

SAFE WEIGHING



STANDARD SYSTEM INCLUDES

- Transfer chamber
- Auto Pressure Control with alarm

SYSTEM UPGRADES INCLUDE

- Interlocked transfer hatch
- Low Humidity Control
- Anti-Vibration Base Assembly
- HEPA Filtered Transfer Hatch
- Activated Carbon Filtration
- Continuous liner for safe waste exit

CONFIGURATION & CONTROL



AIRFLOW

- Single pass through operation
- Adjustable Negative pressure control (Standard = -50 Pascals)

FILTRATION

- Inlet: Safe change HEPA filtration
- Outlet: Two stage safe change HEPA filtration
- Min 99.995% efficiency at 0.3 microns (H14)
- Optional Activated Carbon Filtration