

PHI POWDER HANDLING ISOLATOR



CTS Powder Handling Isolator systems provide a safe controlled environment for weighing and manipulation of high potency drugs with OEL's less than 30 ng/m³.

Constructed in Stainless Steel with a hinged glass door for easy access, automatic pressure control with ramp up facility and interlocking transfer hatch. The CTS Powder Handling Isolator provides <math><5\text{ng}/\text{m}^3</math> for handling of potent drug compounds.

- Negative pressure environment
- Safe change HEPA filtration
- Interlocking transfer chamber
- Safe waste system
- ECL designed to 5ng/m³
- Stable weighing environment
- Ergonomic design
- Easy to clean
- Stainless Steel construction
- Custom built solutions available

PHI POWDER HANDLING ISOLATOR

SYSTEM SPECIFICATION



CONSTRUCTION

- Grade 316 Stainless Steel construction
- Internally radiused corners
- 0.5ra Pharmaceutical grade surface finish
- Toughened glass hinged front panel
- Bench: 304 Stainless Steel
- Gloves: Anti static Nitrile Gauntlet

DIMENSIONS (mm) - (WxDxH)

External:	Internal:
1600 x 650 x 1700	1200 x 600 x 800
1900 x 650 x 1700	1500 x 600 x 800
2200 x 650 x 1700	1800 x 600 x 800

- Custom built solutions available

INTERLOCK CONTROL



POWER REQUIREMENT (SINGLE PHASE)

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

- Interlocking transfer chamber
- Automatic negative pressure control
- Auto ramp up facility
- Audible/visual alarm monitor

AIR FLOW & FILTRATION



AIRFLOW

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

FILTRATION

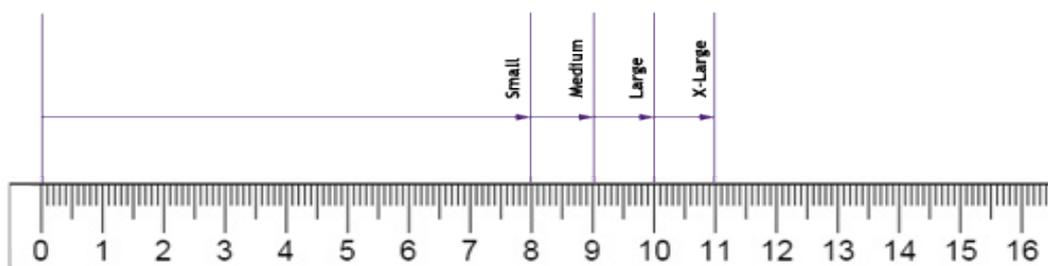
- Inlet: Safe change push push HEPA filtration
- Outlet: Two stage safe change push push HEPA filtration
- Min 99.995% efficiency at 0.3 microns (H14)

GLOVES



GLOVE SPECIFICATION

- Standard glove sizes available are 8, 9 and 10
- 15mil (0.015"/0.4mm) Standard glove thickness
- Hand specific gloves and ambidextrous gloves are available
- To ensure comfort and maximum dexterity for the user, measure the correct glove size by using a ruler in the same way as the diagram below



GLOVES



NITRILE GLOVE
ASSEMBLY



NITRILE GAUNTLETS:

- Good tactility
- Antistatic
- Puncture Resistant
- Strong resistance to most aromatic hydrocarbons, petroleum solvents, oils, fats, acids and greases.
- Non-allergenic
- Sleeve and cuff assembly
- Glove sizes 7, 8, 9 and 10 are available.

TRAINING WORKSHOPS



CONTAMINATION AWARENESS AND SAFE WEIGHING TECHNIQUES:

CTS Training workshops provide analysts with the necessary tools to work safely when handling active drug compounds in the laboratory.

FEATURES

- Potent powder awareness
- Knowledge of contamination risks
- Safe weighing techniques
- Correct use of containment systems
- Training certificate provided

COURSE INFORMATION

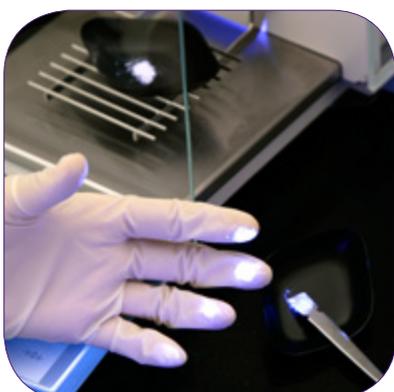
- Duration: 2 Hours
- Class Size: Up to 5 People
- Location: Customer site
- Designed for: Analytical and safety staff

SWP SAFE WEIGHING PRACTICE

SAFE WEIGHING TECHNIQUES



UV DETECTION TECHNIQUES



SWP TRAINING GIVES ANALYSTS THE NECESSARY TOOLS TO DEVELOP SAFE WORK PRACTICE WHEN HANDLING DRUG COMPOUNDS IN THE LABORATORY.

Designed to provide both experienced and new analysts with an overview of the hazards associated with weighing and manipulation of potent drug compounds, the SWP course gives practical advice on how to minimise exposure to airborne and surface contaminants in the pharmaceutical industry.

COURSE CONTENT & INFORMATION:

POTENT POWDER AWARENESS

- What is a potent powder?
- Properties of potent powders

CONTAMINATION RISKS

- Awareness of exposure routes

SAFE WEIGHING TECHNIQUES

- Exposure prevention during weighing
- Correct use of balance enclosures
- Safe disposal of contaminated waste

PRACTICAL HANDS-ON SESSION

- Contamination detection using specialist fluorescent powders and UV lighting techniques
- Cleaning techniques

The interactive nature of SWP workshop provides flexibility to develop site specific safe handling protocols.

- Duration: 2 Hours
- Class Size: Up to 5 People
- Location: Customer Site



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CONTAINMENT TECHNOLOGY SERVICES