Bulk Powder Enclosure

Datasheet

a1-safetech's range of bulk powder handling enclosures provide a contained working environment for the handling and dispensing of active pharmaceutical ingredients.

The ergonomic design allows the user to work comfortably and safely when dispensing gram to kilogram quantities of powders from large containers.

The stainless steel base access mechanism provides a level, easy to clean work surface which minimises contamination.

The unique air handling design has been surrogate powder tested (ISPE guidelines) to nanogram levels for the safe handling of active drug compounds.

Features

- Ergonomically designed for ease of use
- Independently performance tested for containment using Lactose
- Patented design (Patent applied 0818841.9)
- H14 safe-change HEPA filtration
- Energy saving recirculating system
- Localised extract point around drum opening
- Stainless steel base for easy clean down
- Dual sensor datalogging alarm
- Smooth laminar airflow for balance stability
- Integral stainless steel mobile bench
- Optional interated drum lift mechanism
- Double bag waste chute

safetech
CONTAINMENT TECHNOLOGIES

Bulk Powder Enclosure

Containment Design

Extract zone for powder weighing and handling tasks.

Extract point for ventilation around drum opening.

- Unique dual patented extract system to provide optimum containment around the drum access while providing laminar airflow for balance stability
- Ergonomic design allows for easy drum handling and excellent visibility while providing proven containment
- Drum access mechanism is easy to use and can be adapted for a wide range of containers
- Easy to clean level stainless steel including sealing plate to reduce spillages

Specifications

Containment Performance
- Tested to EN14175, ASHRAE 110
- Surrogate powder tested (ISPE guidelines)

Construction:
- Stainless Steel frame
- Stainless Steel base
- Cast acrylic enclosure

Dimensions (mm)
- ST1-BP1200 = 1200 (w) x 900 (d) x 1580 (h)
- ST1-BP1500 = 1500 (w) x 900 (d) x 1580 (h)
- ST1-BP1800 = 1800 (w) x 900 (d) x 1580 (h)

Air Handling and filtration
- Constant air volume (CAV) design
- Integral primary extract point (PEP)
- H14 safe-change HEPA filter
- Min 99.99% efficiency at 0.3 microns
- Filter Life of 3 years

Air Flow Monitoring
- Hot wire anemometer alarm (Audible & Visual)

Power Requirements
- Can be specified for any global region