

POWDER CONTAINMENT

PowderSafe™ Bulk Handling Enclosure

Effective containment during bulk powder manipulations

When effective powder containment is needed during bulk manipulation, the PowderSafe™ Bulk Handling enclosure is an economical and space-saving alternative to larger walk-in enclosures. With a unique drum access port incorporated into the base of the enclosure, the drum can be raised and sealed to the access port, effectively extending the enclosure's containment area into the drum. Designed to provide a turbulence-free airflow environment, PowderSafe™ Bulk Handling enclosures move air in a horizontal pattern to maximize containment while minimizing sample loss and balance instability.



AC794BE PowderSafe™ Bulk Handling enclosure shown with stand and optional hydraulic lift

Standard Features:

- Dark blue base for ease of cleaning
- Disposal port for weighing vessels
- HEPASafe™ filter change-out
- AirSafe™ automatic safety controller
- Bulk container access port cover
- Available in 36", 48", and 72" widths
- Vapor-proof fluorescent light
- No installation required
- White epoxy coated stand with leveling feet
- Available in 110V and 220V AC

Options:

- Gas phase carbon filtration
- Hydraulic lift

Typical Applications:

- Pharmaceutical compounding
- Bulk packaging
- Powder weighing
- Package opening
- Food science

 **ASHRAE110 TESTED**

 **UL and CSA CERTIFIED**

AirClean® Systems ductless hoods, workstations and enclosures meet and exceed relevant OSHA and ANSI Z9.5 standards



AC794BE PowderSafe™ Bulk Handling enclosure in use



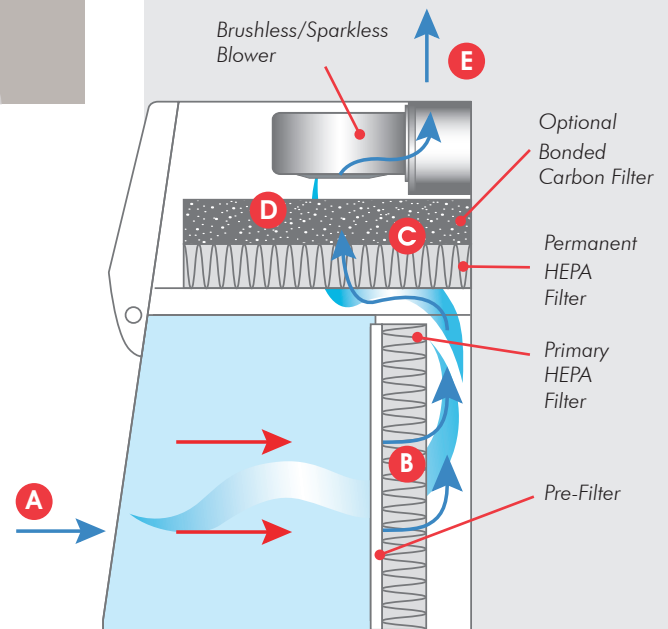
Bulk Container Access Port

Utilizing a unique access port and optional hydraulic lift, the bulk powder drum can be raised or lowered to a comfortable working height, depending on

the volume of powder in the drum. When drum access is not needed, the included access port cover can be used to seal the base, allowing for full utilization of the enclosure work surface.

How the PowderSafe™ Bulk Handling enclosure works:

- 1) Air enters at "A" in an even horizontal laminar fashion.
- 2) Contaminated air enters "B" where particulate is removed via electrostatic pre-filtration and HEPA filtration.
- 3) Particulate-free air moves upward to "C" where it enters the HEPASafe™ filtration area.
- 4) Particulate-free air then passes into "D", the bonded carbon filtration bed, where dangerous chemical fumes and vapors are removed.
- 5) Clean air is then exhausted at "E" for return to the laboratory.



POWDERSAFE™ BULK HANDLING ENCLOSURE DIMENSIONS

Product #	External Dimensions			Internal Dimensions		
	Width	Depth	Height	Width	Depth	Height
AC794BE	48"	36"	54"	47"	29"	35"
AC795BE	60"	36"	54"	59"	29"	35"
AC796BE	72"	36"	54"	71"	29"	35"

*Once mounted on stand, overall height is 94"