

PowderSafe™ Type C Enclosure

A universal enclosure built with the application and operator in mind

AirClean® Systems Type C PowderSafe ductless balance enclosures incorporate the airflow dynamics and HEPASafe™ features of the PowderSafe Type B with the user-friendly features and chemical fume containment capabilities of an AirClean Systems ductless fume hood. Thermally-fused polypropylene construction makes the PowderSafe Type C enclosure perfect for weighing powders or solvents.



AC760C PowderSafe Type C shown with optional stand

Features:

- AirSafe™ automatic safety controller
- Horizontal laminar airflow pattern
- Chemically impervious construction
- HEPASafe filter change-out
- High mass — solid polypropylene construction
- Vapor-proof fluorescent light
- Ductless — no installation required
- Available in 110V and 220V AC

Options:

- Bonded carbon multipurpose filtration
- Contrasting base color
- Stand with leveling feet
- Waste port for weighing vessel disposal

Typical Applications:

- Pharmaceutical compounding
- Powder weighing
- Package opening
- R&D of pharmaceutical compounds
- Animal surgery
- Soldering



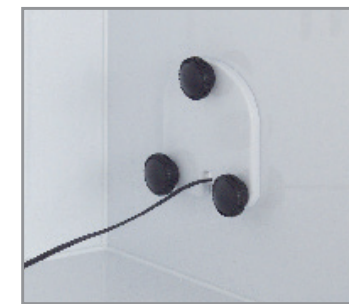
Rear wall filtration zone featuring HEPASafe filter change-out technology



Real-time monitoring of face velocity and filter condition via AirSafe



High mass polypropylene construction for balance stability



Electrical and utility cord access port



AC780C PowderSafe Type C with standard white base and disposal port. The disposal port minimizes operator exposure to residual powders left on used weighing vessels

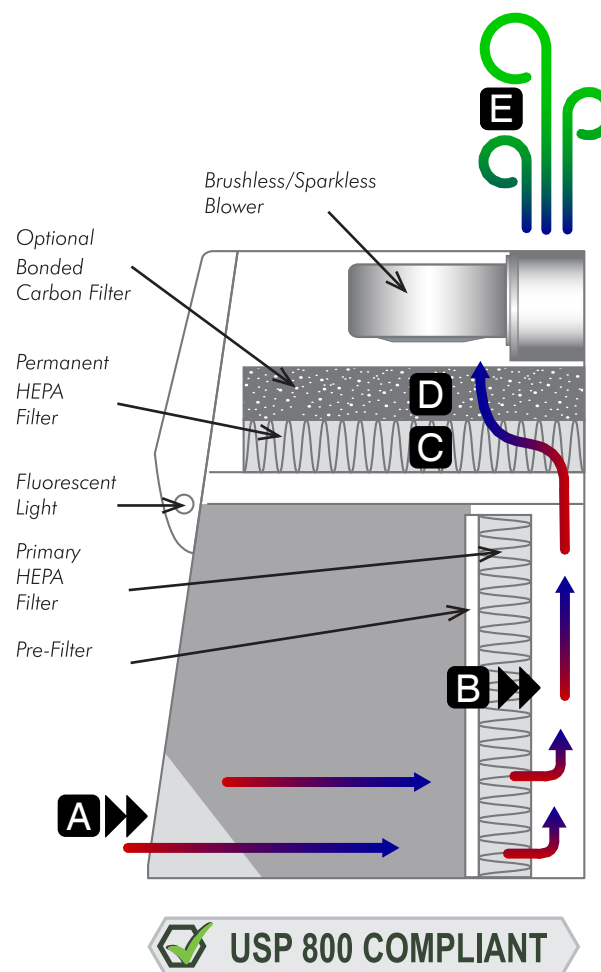


AirSafe™ Automatic Safety Controller provides:

- Constant airflow monitoring
- Variable airflow volume
- Constant monitoring for both HEPA and optional carbon filters
- Audible and visible alarms

How the PowderSafe™ Type C 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 optional 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 TYPE C ENCLOSURE DIMENSIONS

Product #	External Dimensions			Internal Dimensions		
	Width	Depth	Height	Width	Depth	Height
AC760C	36"	30"	44"	35"	22"	25"
AC765C	36"	30"	54"	35"	22"	35"
AC770C	48"	30"	44"	47"	22"	25"
AC775C	48"	30"	54"	47"	22"	35"
AC780C	72"	30"	44"	71"	22"	25"
AC785C	72"	30"	54"	71"	22"	35"

PowderSafe™ Type C Enclosure

220V



GENERAL SPECIFICATIONS		
Construction Material	Work Surface	Polypropylene-No Rust
	Walls	Polypropylene-No Rust
	Front Sash	Clear Polycarbonate
	Filtration Housing	Polypropylene-No Rust
	Top Outside Cover	Epoxy Powder-Coated Steel
	Initial HEPASafe™ Filters	Installed; 99.99% Efficient at .3 µm
Controls		AirSafe™ Automatic Safety Controller
Face Velocity - Variable		User Defined; 0.2-0.6 (m/s)
Lighting		Vapor-Proof Fluorescent
Electrical Cord Pass-Through		2; Right & Left Side Ports
Lab Event Timer		Adjustable Audible / Visible Timer
Blowers		Variable Speed; Brushless-Sparkless
Low Airflow Alarm		Custom Audible / Visual Alarm
Filter Monitoring Package		Audible / Visual Alarm
Certifications		ASHRAE 110
Meets and exceeds USP <800> requirements for HD handling		

DIMENSIONS

Product #	External Dimensions (mm)				Internal Dimensions (mm)			Sash Opening Dimensions (mm)			
	Width	Depth at Base	Max Depth	Height	Width	Depth	Height	Width	Height		
									Sash Opening	Sash Fold 1	Sash Fold 2
AC760C220	914	768	819	1118	889	559	635	819	203	406	711
AC765C220	914	768	819	1372	889	559	889	819	203	406	711
AC770C220	1219	768	819	1118	1194	559	635	1124	203	406	711
AC775C220	1219	768	819	1372	1194	559	889	1124	203	406	711
AC780C220	1829	768	819	1118	1803	559	635	1734	203	406	711
AC785C220	1829	768	819	1372	1803	559	889	1734	203	406	711

TECHNICAL SPECIFICATIONS

Product #	Electrical			Volume of Filtered Air	Prefilters	HEPASafe™ HD Powder Filtration		Optional Carbon Filtration Layer	Unit Weight*
	Voltage	Amps	Power			Primary HEPA Filtration Layer	Redundant HEPA Filtration Layer		
AC760C220	220V	2.0 A	370 W	14.4 CMM	2	2 HEPAs	2 HEPAs	2 Carbons	122 kg
AC765C220	220V	2.0 A	370 W	14.4 CMM	2	2 HEPAs	2 HEPAs	2 Carbons	145 kg
AC770C220	220V	2.0 A	380 W	14.4 CMM	3	3 HEPAs	3 HEPAs	3 Carbons	159 kg
AC775C220	220V	2.0 A	380 W	14.4 CMM	3	3 HEPAs	3 HEPAs	3 Carbons	181 kg
AC780C220	220V	3.0 A	550 W	18.1 CMM	4	4 HEPAs	4 HEPAs	4 Carbons	236 kg
AC785C220	220V	3.0 A	550 W	18.1 CMM	4	4 HEPAs	4 HEPAs	4 Carbons	272 kg

*Unit weight is an approximation, and does not include weight of installed filtration



AirClean Systems
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