

POWDER CONTAINMENT

PowderSafe™ Type A Enclosure

The compact, mobile solution for powder containment

PowderSafe™ Type A enclosures provide a safe and effective weighing environment for toxic compounds and/or liquid chemicals. Engineered specifically for balances, PowderSafe™ Type A enclosures protect the operator by capturing particulate in HEPA filtration without sacrificing balance stability. These compact, ductless enclosures are factory leak tested, certified and shipped fully assembled for simple installation on any countertop.



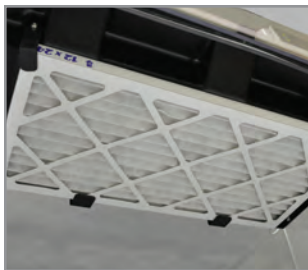
AC710C 32"-wide PowderSafe™ Type A ductless balance enclosure

Features:

- AirSafe™ automatic safety controller
- Audible/visible filter and airflow alarms
- Portable HEPA filtration — NO DUCTWORK REQUIRED
- SafeChange™ technology for pre-filter changeout
- Electrical cord access ports
- Solid 3/8" polypropylene base
- Tested with 3- and 4-place balances
- Leak tested and certified before shipment
- Quiet operation < 49dB
- 360° visibility
- Compact ergonomic design takes up less space than similar enclosures
- Electrostatically charged pre-filter prevents 'particle rain'
- Available in 110V and 220V AC

Options:

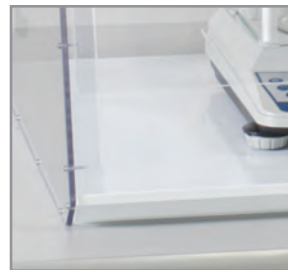
- Carbon filtration for liquid chemicals
- Contrasting base color
- Waste port for weighing vessels
- Mobile cart with locking casters



SafeChange™ technology allows for the pre-filter to be bagged-out while the enclosure is running



Real-time read-out of face velocity with precise airflow control and monitoring



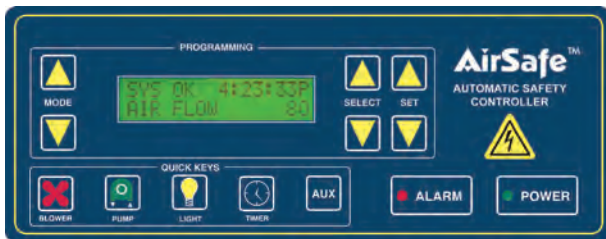
Solid 3/8" polypropylene base



Electrical and utility cord access port



AC720C 48"-wide PowderSafe™ Type A ductless balance enclosure

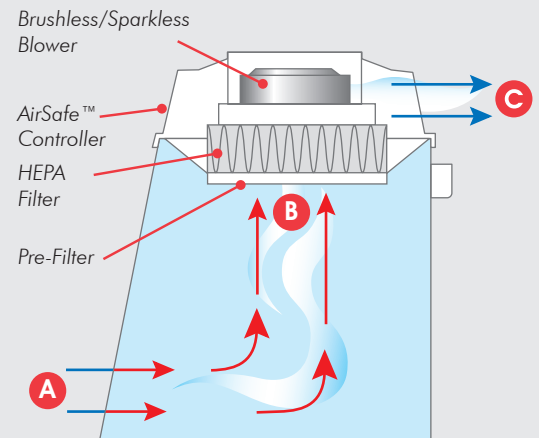


AirSafe™ automatic safety controller constantly monitors airflow velocity and filter conditions. The operator can set a desired face velocity, minimizing balance disturbance.

- Constant airflow monitoring
- Variable airflow volume
- Constant filter monitoring
- Audible and visible alarms

How the PowderSafe™ Type A enclosure works:

1. Turbulence-free laminar flow room air enters enclosure at "A".
2. Air moves evenly through enclosure at "B" while capturing any particulate.
3. Clean air is exhausted at "C" after passing through pre-filtration and HEPA filtration.



Hoods, workstations and enclosures are shipped fully assembled

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



POWDERSAFE™ TYPE A ENCLOSURE DIMENSIONS

Product #	External Dimensions			Internal Dimensions		
	Width	Depth	Height	Width	Depth	Height
AC705*	24"	24"	30"	23"	23"	19"
AC710C	32"	24"	30"	31"	23"	19"
AC710CT	32"	24"	40"	31"	23"	26"
AC710CTS	32"	25"	40"	31"	23"	29"
AC720C	48"	24"	30"	47"	23"	19"
AC720CT	48"	24"	41"	47"	23"	26"
AC720CTS	48"	25"	42"	47"	23"	29"

*AirSafe™ automatic safety controller is not available on model AC705

POWDER CONTAINMENT

PowderSafe™ Type B Enclosure

Effectively weigh powders to seven decimal places

Seamless polypropylene construction provides the mass and vibration resistance crucial for accurate powder weighing, while AirSafe™ automatic safety controller monitors airflow and filter condition. The full rear-wall HEPA filtration zone moves powders and particulate away from the operator in a smooth horizontal laminar pattern. HEPASafe™ technology allows filters to be safely and easily bagged-out under negative pressure.



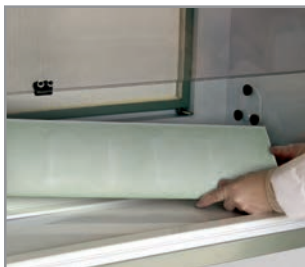
Features:

- Variable airflow volume via AirSafe™
- Continuous HEPA filter monitoring
- High mass – thermally welded solid polypropylene construction
- Effectively weigh to 7 decimal places
- Seamless construction is easy to clean
- Real-time airflow display on LCD
- Audible and visible airflow and filter alarms
- Permanent backup HEPA filter
- Fluorescent light – one touch operation
- Portable; no installation cost
- Electrical cord access ports
- Available in 110V and 220V AC

Options:

- Contrasting base color
- Waste port for weighing vessels
- Mobile cart with locking casters

AC740C 48"-wide PowderSafe™ Type B ductless balance enclosure



HEPASafe™ technology allows the operator to safely and easily change both the pre-filter and the primary HEPA filter while the enclosure is operational



Real-time readout of face velocity with precise airflow control and monitoring



"Flow smooth" foil provides even air distribution throughout enclosure, preventing turbulence



Electrical and utility cord access port



AC730C 32"-wide PowderSafe™ Type B ductless balance enclosure

HEPASafe™

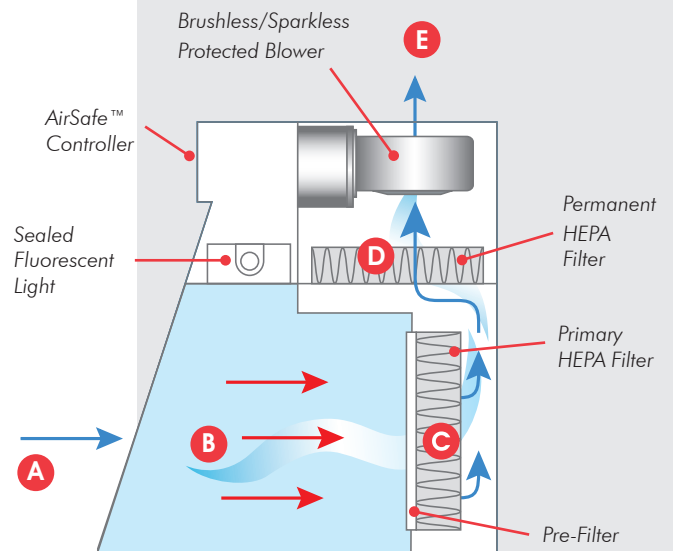
AirClean® Systems PowderSafe™ Type B enclosures utilize HEPASafe™ filter change-out, allowing the operator to safely and easily bag-out contaminated filters under negative pressure. The heart of this system is a secondary, permanent HEPA filter that protects the operator during primary HEPA filter change-out. If the primary HEPA filter should ever become compromised, this secondary filter also serves as a backup safety filter.



PowderSafe™ Type B has been independently tested and verified for operator protection by SafeBridge® Consultants, Inc.

How the PowderSafe™ Type B enclosure works:

1. Turbulence-free air enters at "A" and is drawn in an even horizontal laminar fashion toward the rear plenum of the enclosure while being mixed with contaminated air at "B".
2. At "C" the contaminated air first enters a pre-filter before entering the primary HEPA filter.
3. Air cleaned by the primary HEPA filter enters the permanent safety HEPA filter at "D".
4. Clean air is returned to the room at "E".



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



POWDERSAFE™ TYPE B ENCLOSURE DIMENSIONS

Product #	External Dimensions			Internal Dimensions		
	Width	Depth	Height	Width	Depth	Height
AC730C	32"	30"	33"	31"	21"	18"
AC740C	48"	30"	33"	47"	22"	18"

POWDER CONTAINMENT

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.



AC760 PowderSafe™ Type C shown with optional blue base and 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
- Waste port for weighing vessel disposal

Typical Applications:

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



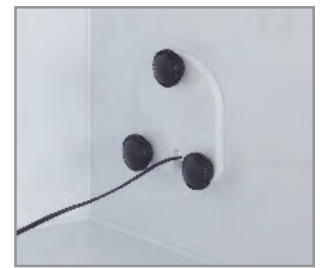
Rear wall filtration zone featuring HEPASafe™ filter change-out technology



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



High mass polypropylene construction for balance stability



Electrical and utility cord access port



AC780 PowderSafe™ Type C with standard white base and disposal port. The disposal port minimizes operator exposure to residual powders left on used weighing vessels

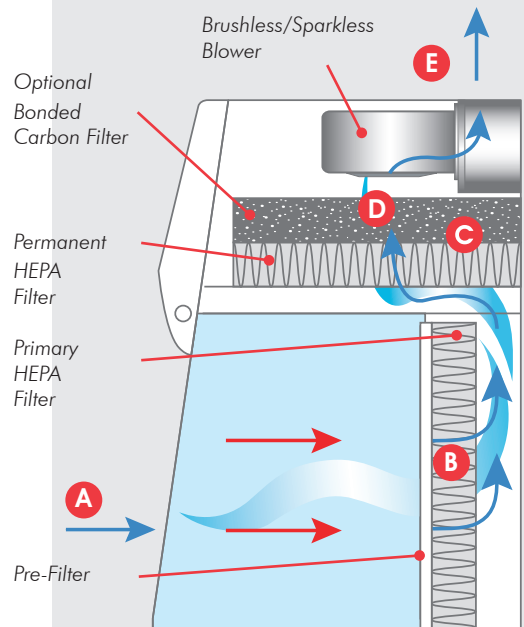


AirSafe™ Automatic Safety Controller provides:

- 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 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
AC760	36"	30"	44"	35"	22"	25"
AC765	36"	30"	54"	35"	22"	35"
AC770	48"	30"	44"	47"	22"	25"
AC775	48"	30"	54"	47"	22"	35"
AC780	72"	30"	44"	71"	22"	25"
AC785	72"	30"	54"	71"	22"	35"