

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:

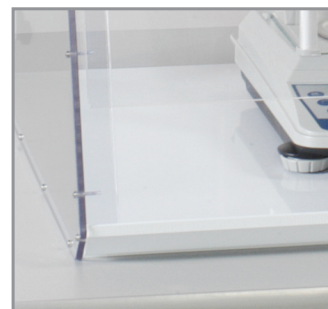
- Carbon filtration for liquid chemicals
- Contrasting base color
- Waste port for weighing vessels
- Mobile cart with locking casters



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



Real-time face velocity read-out 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

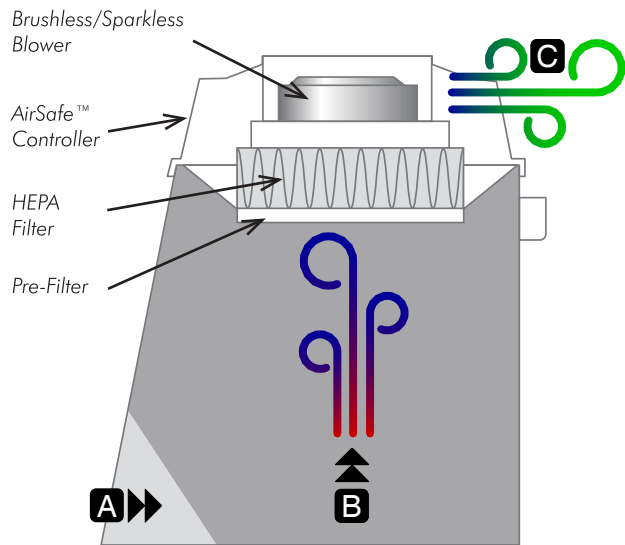


AirSafe™ automatic safety controller constantly monitors airflow velocity and filter conditions. The operator can set a desired face velocity, minimizing balance disturbance.

- Constant airflow monitoring
- Constant filter monitoring
- Variable airflow volume
- 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"	41"	47"	23"	29"

*AC705 not available with AirSafe controller

PowderSafe™ Type A Enclosure

220V



GENERAL SPECIFICATIONS

Construction Material	Work Surface	Polypropylene-No Rust
	Shell	Clear Polycarbonate
	Front Sash	Clear Polycarbonate
	Head Assembly / Filtration Housing	Molded ABS
	Initial HEPA Filter	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*
Lab Event Timer		Adjustable Audible / Visible Timer
Electrical Cord Pass-Through		2; Right & Left Side Ports
Blowers		Variable Speed; Brushless-Sparkless
Low Airflow Alarm		Custom Audible / Visible Alarm
Filter Monitoring Package		Audible / Visible Alarm
Certifications		UL, CSA, and CE

DIMENSIONS

Product #	External Dimensions (mm)					Internal Dimensions (mm)			Sash Opening Dimensions (mm)			
	Width at Base	Max Width	Depth at Base	Max Depth	Height	Width	Depth	Height	Width	Height		
										Opening	Sash Fold 1	Sash Fold 2
AC710C220	806	826	610	641	749	794	597	495	743	102	241	483
AC710CT220	806	826	610	641	1022	794	597	660	743	102	241	654
AC710CTS220	806	826	610	641	1022	794	597	737	743	102	241	654
AC720C220	1213	1232	610	641	749	1200	597	495	1149	102	241	483
AC720CT220	1213	1232	610	641	1022	1200	597	660	1149	102	241	654
AC720CTS220	1213	1232	610	641	1022	1200	597	737	1149	102	241	654

TECHNICAL SPECIFICATIONS

Product #	Electrical			Volume of Filtered Air	Prefilters	Primary HEPA Filtration Layer	Secondary Carbon Filtration Layer	Unit Weight**
	Voltage	Amps	Power					
AC710C220	220V	0.5 A	110 W	4.1 CMM	1	1 HEPA	NA	68 kg
AC710CT220	220V	1 A	220 W	11.3 CMM	1	1 HEPA	1 Carbon	91 kg
AC710CTS220	220V	1 A	220 W	11.3 CMM	1	1 HEPA	NA	88 kg
AC720C220	220V	1 A	230 W	8.2 CMM	2	2 HEPAs	NA	109 kg
AC720CT220	220V	2 A	450 W	22.7 CMM	2	2 HEPAs	2 Carbons	138 kg
AC720CTS220	220V	2 A	450 W	22.7 CMM	2	2 HEPAs	NA	127 kg

*Fluorescent lighting is optional on 710 models and will add 70 mm external depth

**Unit weight is an approximation



AirClean® Systems
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