

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.



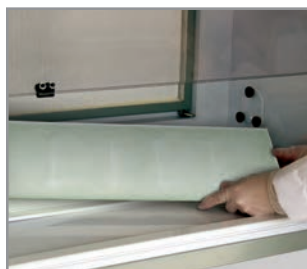
AC740C 48"-wide PowderSafe™ Type B ductless balance enclosure

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



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™

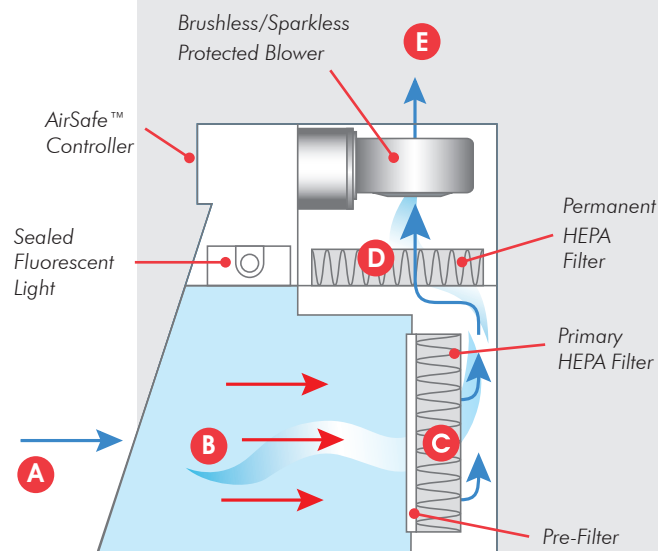
AirClean® Systems PowderSafe™ Type B enclosures utilize HEPASafe™ filter change-out, allowing the operator to safely and easily bag-out contaminated filters under negative pressure. The heart of this system is a secondary, permanent HEPA filter that protects the operator during primary HEPA filter change-out. 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"