

## Powder Handling/ Weighing Cabinets

Protecting the operator from hazardous airborne particulates and powders



**Precision Balance Cabinet**  
Small footprint  
weighing cabinets



**Analytical Balance Cabinets**  
Larger cabinets, with  
more features



**Micro Balance Cabinets**  
For more demanding  
weighing applications,  
turbulent free air flow

Energy efficient fan system incorporating H14 or U15 particulate filtration

## CARON IS AN INNOVATOR IN THE DESIGN OF LABORATORY SAFETY CABINETS FOR OPERATOR AND PROCESS PROTECTION

Powder cabinets (otherwise called stations, workstations or enclosures) utilise HEPA filtration technology and protect the operator from particles whilst weighing and handling powders.

### PRECISION BALANCE POWDER WEIGHING CABINETS

These cabinets have a very small footprint and excellent all-round vision. Cabinets have hinged access flap.

**Optional extra:** Base tray – manufactured from black PVC.

*NB: Black is ideal for highlighting powder spillages.*



Model	External dims (WxDxH)	Internal dims (WxDxH)	Sound levels	Face Air Velocity	Access Aperture
600mm	Nominal 23.5"x20.5"x25.5" (600 x 520 x 650mm)	Nominal 22.5"x20"x18" (579 x 506 x 455mm)	<50dBA	.3 to .5 m/s (59-98 fpm)	Nominal 21"x6.5" 529 x 165mm

*Hoods are supplied for power supply: 115V, AC, 60Hz, 8Amp, 1Ø, 230VAC, 50/60Hz  
Filtration in this station: Pre-filter and HEPA filter*

#### BENEFITS

- Quiet operation
- Suited to weighing with a Precision Balance to 3 decimal places\*
- Services access port in rear panel
- Fan is pre-set between 0.3 and 0.5 m/s (59-98 fpm) depending on application

### ANALYTICAL BALANCE POWDER WEIGHING CABINETS

Unobstructed Clearview 360 degree visibility. Trapezium shaped front access (285mm height) with double hinged doors for easy access to cabinet interior. A services access port is provided in each side panel. Cabinet can be placed onto an existing work surface or supplied on a supporting stand. Black base tray is manufactured from PVC.

**Optional extra:** LED - low energy lighting. Hour counter. Upgrade to HPL base tray. Chemcap Carbon filtration.

Support stand.

*NB: Black is ideal for highlighting powder spillages.*



Cabinet shown on optional stand



Model	External dims (WxDxH)	Internal dims (WxDxH)	Sound levels	Face Air Velocity	Access Aperture mm
800mm	Nominal 32"x22.5"x45" 820 x 570 x 1145mm	Nominal 30"x20"x32" 770 x 510 x 810mm	<50dBA	.5 m/s (98 fpm)	Nominal 23.5"x11" 600 x 285mm
1000mm	Nominal 40"x22.5"x45" 1020 x 570 x 1145mm	Nominal 38"x20"x32" 970 x 510 x 810mm	<50dBA	.5 m/s (98 fpm)	Nominal 23.5"x11" 600 x 285mm
1200mm	Nominal 48"x22.5"x45" 1220 x 570 x 1145mm	Nominal 46"x20"x32" 1170 x 510 x 810mm	<50dBA	.5 m/s (98 fpm)	Nominal 23.5"x11" 600 x 285mm
1500mm	Nominal 60"x22.5"x45" 1520 x 570 x 1145mm	Nominal 58"x20"x32" 1470 x 510 x 810mm	<50dBA	.5 m/s (98 fpm)	Nominal 23.5"x11" 600 x 285mm

*Supplied for power supply: 115VAC, 60Hz, 3Amp, 1Ø, 230VAC, 50/60Hz Filtration in this station: Pre-filter and HEPA filter*

#### BENEFITS

- Quiet operation
- Highly visible touchscreen control panel with filter life and airflow indicators
- Audible electronic low airflow alarm
- Safe-change pre-filter can be bagged under negative pressure
- Lockable front access doors
- Fan is pre-set between 0.3 and 0.5 m/s (59-98 fpm) depending on the application
- Suited for weighing with an Analytical Balance to 4 decimal places\*

# MICRO BALANCE POWDER WEIGHING CABINET

Suitable for the highest precision weighing operations.

Micro balance cabinets incorporate aerofoil technology and graded rear back baffle to ensure reduced turbulence and precise control of horizontal air flow across the entire width of the working access.

Acrylic construction and angled clear front windows enable excellent vision of enclosed manipulations and comfort during use. Black base tray is manufactured from high pressure laminate (HPL).



- Fan is pre-set between 0.3 and 0.5m/s depending on the application (recirculatory model only)
- Safechange pre-filter can be bagged under negative pressure.
- 178mm (7") height front access across full station width.

**Optional extra:** Hour Counter. Chemcap carbon filtration for chemical fumes. Ionising bars. ULPA Filtration upgrade. Support stand. Spigot (200mm) for connection to house ducting (ducted model only).

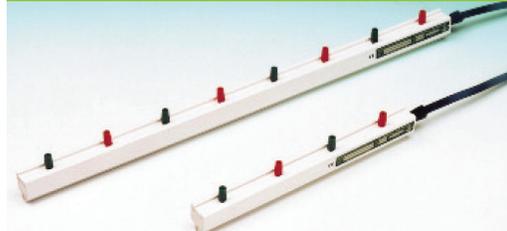
## SIZES AND TECHNICAL INFORMATION - FILTRATION CABINET

Model	External dims (WxDxH)	Internal dims (WxDxH)	Sound levels	Face Air Velocity	Access Aperture
800mm	Nominal 32"x28.5"x46" 820 x 725 x 1167mm	Nominal 30"x24"x31 770 x 605 x 790mm	<50dBA	.3 to .5 m/s (59-98 fpm)	Nominal 27"x7" 600 x 175mm
1000mm	Nominal 40"x28.5"x46" 1020 x 725 x 1167mm	Nominal 38"x24"x31 970 x 605 x 790mm	<50dBA	.3 to .5 m/s (59-98 fpm)	Nominal 35"x7" 890 x 175mm
1200mm	Nominal 48"x28.5"x46" 1220 x 725 x 1167mm	Nominal 46"x24"x31 1170 x 605 x 790mm	<50dBA	.3 to .5 m/s (59-98 fpm)	Nominal 43"x7" 1094 x 175mm
1500mm	Nominal 60"x28.5"x46" 1520 x 725 x 1167mm	Nominal 58"x24"x31 1470 x 605 x 790mm	<50dBA	.3 to .5 m/s (59-98 fpm)	Nominal 55"x7" 1394 x 175mm

Supplied for power supply: 115VAC, 60Hz, 3Amp, 1Ø, 230VAC, 50/60Hz  
Filtration in this hood: Pre-filter and particulate filter (HEPA or ULPA).

## BENEFITS

- Gentle non-turbulent flow prevents balance fluctuation and cabinet dead spots
- Suited to weighing with a Micro Balance to 6 decimal places\*
- Highly visible touchscreen control panel with filter life and airflow indicators
- Audible electronic low airflow alarm
- Lockable front access doors
- Bright, low energy LED lighting



**Optional:** Ionising bars eliminate dust attraction and control the static environment.



Air flow pattern over and under aerofoils.

## OPTIONAL SUPPORT STAND



A static, open-frame, supporting stand with foot rest bar{height to work surface 863mm (34")}.

Available for 800/1000 and 1200 models; a variable height electrically adjustable supporting bench.

▶ **QUALITY ASSURED**

**CE** Caron 230V systems  
are CE marked

Caron manufactures from UL listed components

CARON PRODUCTS & SERVICES, INC.  
PO Box 715 / Marietta OH 45750 / PHONE 740 373 6809 / 800 648 3042 / FAX 740 374 3760

United Kingdom Office:  
4/5 Piper's Wood Industrial Park / Waterberry Drive / Waterlooville / Hampshire. PO7 7XU. UK.  
PHONE: +44 (0)23 9226 6400 • FAX: +44 (0)23 9226 3373

**CARON**