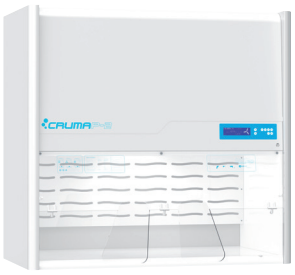
# *Powder weighing* CABINETS

## Models **P-1** & **P-2**

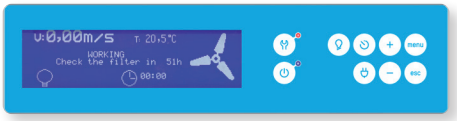


P-1



P-2

## NEW FEATURES

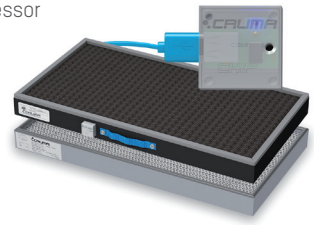



**More information on the new LCD display**

- √ New size 127x34mm display
- √ Continuously monitored air speed
- √ Type of filter installed, working hours, expiration date and next revision date
- √ Open door warning through electronic photocell
- √ Countdown timer
- √ Clock and calendar

**New features and components**

- √ Startup airflow adequacy cycle and switch off final purge cycle.
- √ Fault LED
- √ Control of air flow via Microprocessor
- √ HEPA filters with electronic chip
- √ LED illumination



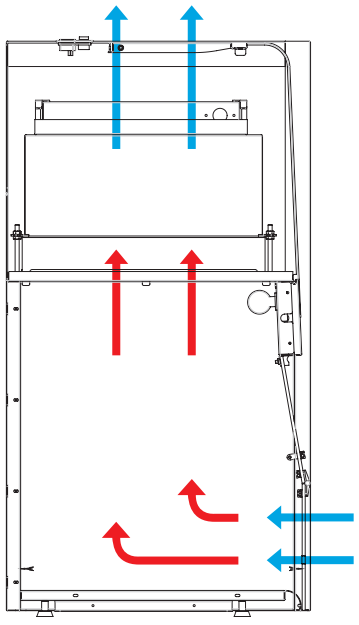
**New alarms and scheduled warnings**

- √ Open door warning
- √ Open door in off mode warning
- √ Next validation warning
- √ Few hours of filter life warning
- √ Countdown timer warning
- √ Expired filter alarm (by hours)
- √ Expired filter alarm (by date)
- √ Temperature alarm
- √ Equipment without filter alarm
- √ Low barrier alarm

## USES

- √ Analysis laboratories
- √ Reserarch laboratories
- √ Quality control laboratories
- √ Clinical laboratories, etc...

...in short, in any laboratory.



To protect the operator during powder weighing operations, Cruma designed a new cabinet with **double HEPA** filtration for the retention of particles of 0.3 microns or larger: a main filter H-14 and exhaust safety filter H-14. Optionally it can be confi gured with an activated exhaust carbon filter instead of the H-14 filter.

Weighing operations must be performed in a controlled environment that eliminates any risk of operator exposure to manipulated products and guarantee the level of precision required by the applications of drug companies.

## SERIAL EQUIPMENT

| | |
|---|---|
| **Electronic circuit with large-format LCD screen** | Security levels: level 1 users and level 2 advance (for maintenance) |
| **Digital anemometer** | Electronic probe for continuous monitoring of air face velocity |
| **Door open photocell** | Electric device with open door alarm |
| **Electronic control device for filters replacement** | The filters incorporate a microchip with miniUSB connection that identifies the type of filter, expiration date and serial no. |
| **Lighting** | High intensity, low consumption LED tube – 9 W / 850 lx |
| **Digital timer with audible alarm** | For monitoring and alerting work performed in the cabinet or laboratory |
| **Clock and calendar** | Date and time display |
| **Working surface 1** | Spill retention tray (2-10 liters) with working surface in white tempered glass |
| **Switched electrical outlet** | Internal socket for connecting auxiliary equipment, such as a weighing balance |
| **Warranty** | 10 years |

## POWDER FILTRATION COLUMN

| | |
|---|---|
| **Type DG**<br>Handling of powder compounds with molecular security filter |  |
| **Tipo 2D**<br>Handling of powder compounds in clean room |  |

Fan  Molecular Filter  HEPA-H14 Filter



Movilair



Tubular

## OPTIONAL EQUIPMENT

| | |
|---|---|
| **Movilair** | Stand with wheels and inner tray made of steel coated with anti-corrosive epoxy resin |
| **Tubular support** | Stand made of steel coated with anti-corrosive epoxy resin |
| **Working surface 2** | Granite or marble stone base to minimize any type of vibration |
| **Anti vibration platfom** | Platform made in stainless steel for analytical balances (4-5 digit balance) |
| **Switched electrical outlet** | Additional switched electrical outlet |
| **Safety filter for gases** | Activated carbon filter for handling liquid compounds |
| **Power supply** | On request available for 110 V / 127 V |

## MAIN STRUCTURE

| | |
|---|---|
| **Metal parts** | Made of 1.2 mm galvanized steel coated with anti-corrosive thermoplastic resin hardened at 200 °C. |
| **Doors** | Made of transparent methyl methacrylate (PPMA) 6 mm thick. Light transmission of 93%. |

POWDER WEIGHING CABINETS

# CRUMA P-1




**Cruma P-1** technology retains particles and molecules (if necessary) for the total safety of the operator and without any risk of dispersion of pollutants in the environment.

## TECHNICAL FEATURES

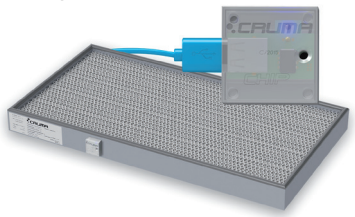
| | | |
|---|---|---|
| Number of filtration columns | | 1 |
| Number of filters | | 2 |
| Number of IP44 fans | | 1 |
| Average volume of treated air | | 130 $m^3/h$ |
| Average face velocity | | 0,40 m/s |
| Internal volume of the cabinet | | 0,241 $m^3$ |
| Renewals inside the cabinet / min | | 9,1 |
| Total electrical power consumption | | 73 W |
| Power supply [1] | | 220-240 V / 50-60 Hz |
| LED light level | | 1100 lx |
| Noise level | | 55 ± 3 dB |
| **Packaging:** 100% recycled wooden box with international phytosanitary certificate | Volume | 0,73 $m^3$ |
| | Weight | 112 Kg |

## SIZES (MM)

| External | | | Internal | | |
|---|---|---|---|---|---|
| Width | Depth | Height | Width | Depth | Height |
| 800 | 600 | 1137 | 710 | 541 | 610 |

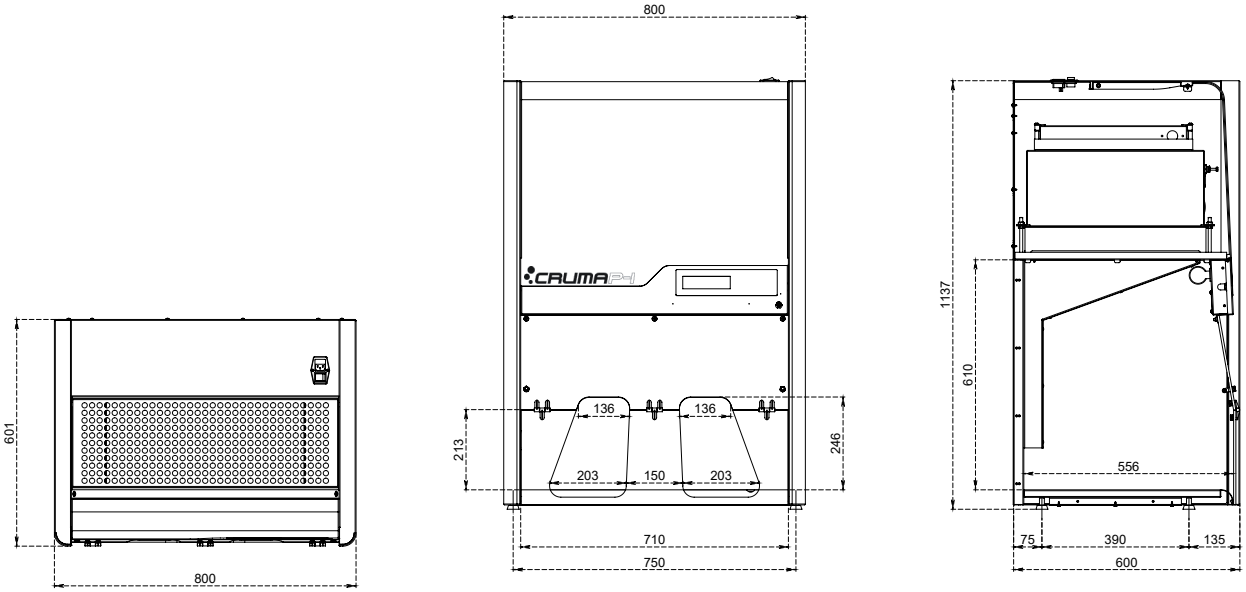
Filters with microchip and USB connection,
*intelligent filtering*

Information storage and interaction with the alarm system.



[1] On request available for 110 V / 127 V.

## SIZES (mm)



POWDER WEIGHING CABINETS

# CRUMA P-2

**Cruma P-2** technology retains particles and molecules (if necessary)for the total safety of the operator and without any risk of dispersion of pollutants in the environment.




## TECHNICAL FEATURES

| | | |
|---|---|---|
| Number of filtration columns | | 1 |
| Number of filters | | 2 |
| Number of IP44 fans | | 1 |
| Average volume of treated air | | 130 $m^3/h$ |
| Average face velocity | | 0,40 m/s |
| Internal volume of the cabinet | | 0,376 $m^3$ |
| Renewals inside the cabinet / min | | 5,8 |
| Total electrical power consumption | | 91 W |
| Power supply [1] | | 220-240 V / 50-60 Hz |
| LED light level | | 900 lx |
| Noise level | | 55 ± dB |
| **Packaging:** 100% recycled wooden box with international phytosanitary certificate | Volume | 1,06 $m^3$ |
| | Weight | 120 Kg |

[1] On request available for 110 V / 127 V.

## SIZES (MM)

| External | | | Internal | | |
|---|---|---|---|---|---|
| Width | Depth | Height | Width | Depth | Height |
| 1200 | 600 | 1137 | 1110 | 541 | 611 |

Do you need help or *technical assistance?*

Contact your distributor or call us if you have any questions or need technical support, spare parts, maintenance service... **+34 93 370 61 62**

## SIZES (mm)

