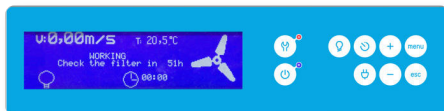


# Powder weighing CABINETS

## Models P-1 & P-2



### NEW FEATURES



#### More information on the new LCD display

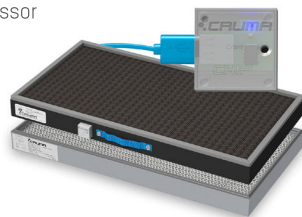
- ✓ New size 127x34mm display
- ✓ Continuously monitored air speed
- ✓ Type of filter installed, working hours, expiration date and next revision date
- ✓ Open door warning through electronic photocell
- ✓ Countdown timer
- ✓ Clock and calendar

#### 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

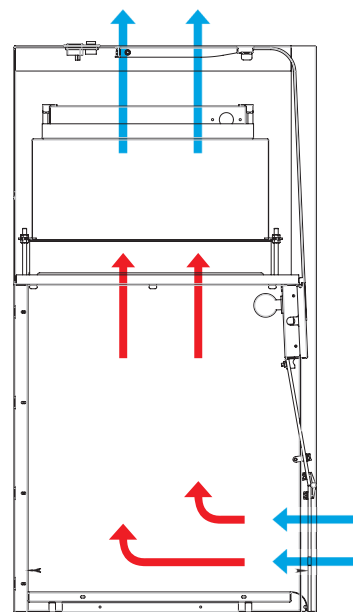
- ✓ Open door warning
- ✓ Open door in off mode warning
- ✓ Next validation warning
- ✓ Few hours of filter life warning
- ✓ Countdown timer warning
- ✓ Expired filter alarm (by hours)
- ✓ Expired filter alarm (by date)
- ✓ Temperature alarm
- ✓ Equipment without filter alarm
- ✓ Low barrier alarm



### USES

- ✓ Analysis laboratories
- ✓ Research laboratories
- ✓ Quality control laboratories
- ✓ Clinical laboratories, etc...



...in short, in any laboratory.



To protect the operator during powder weighing operations, Cruma designed a 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 configured 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 for users and level 2 for maintenance users
Electronic anemometer device	Electronic sensor monitoring continuously air face velocity
Photocell sensor device for open door detection	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 installed, the expiry date and the serial no.
Illumination	LED Tube high light intensity and low power consumption - 10 W - 800 Lm
Electronic cronometre with audible alarm	To program the work inside the fume hood
Clock and calendar	Display of date and time
Working surface 1	Spill retention tray (2-10 liters) with working surface in white tempered glass
Switched electrical outlet	Electrical socket placed on the inside of the cabinet to connect a weighing balance.
Warranty	7 years

POWDER FILTRATION COLUMN	
<b>Type DG</b> Manipulación de productos en polvo con filtro de seguridad molecular	
<b>Tipo DD</b> Handling of powder with safety filter HEPA-H14	

 Fan  
  Molecular Filter  
  HEPA-H14 Filter

OPTIONAL EQUIPMENT	
Movilair	Stand with wheels and internal tray in Epoxy coated steel
Tubular steel stand	Support stand in Epoxy coated steel
Voltage / Frequency	125 V / 50 Hz

MAIN STRUCTURE	
Metal parts	1.2 mm galvanized coated steel with anti acid polymer resin powder heat-hardened at 200 °C
Doors	Transparent polymethylmethacrylate 6 mm thick (light transmission of 93%)

# CRUMAP-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	160 m <sup>3</sup> /h
Average face velocity	0,5 m/s
Internal volume of the cabinet	0,236 m <sup>3</sup>
Renewals inside the cabinet / min	11,3
Total electrical power consumption	57 W
Voltage-Frequency	110-220 V / 50-60 Hz
LED light intensity	850 lm
Noise level	55 dB
<b>Packaging:</b> 100% recycled wooden box with international phytosanitary certificate	Volume 0,73 m <sup>3</sup> Weight 112 Kg

## SIZES (MM)

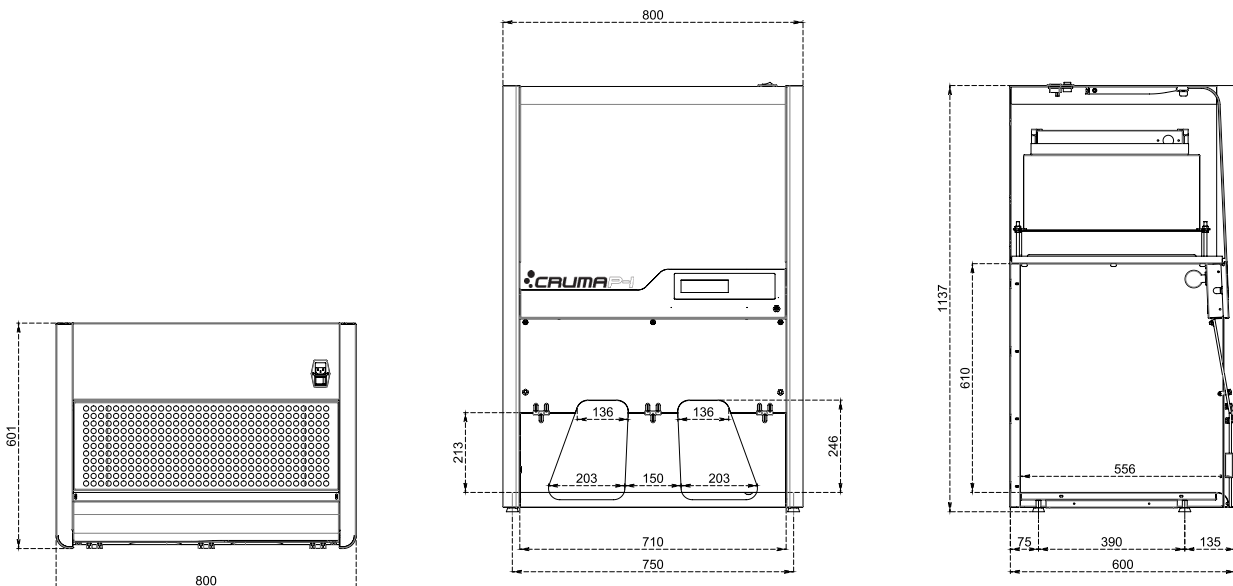
External			Internal		
Width	Depth	Height	Width	Depth	Height
800	600	1136,5	710	541	611

Filters with microchip and USB connection, *intelligent filtering*

Information storage and interaction with the alarm system.



## SIZES (mm)



# CRUMAP-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.



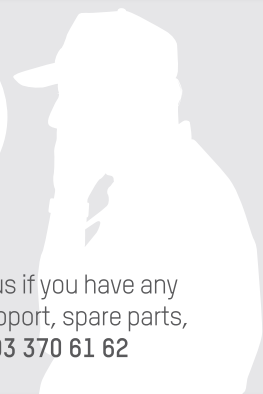
## TECHNICAL FEATURES

Number of filtration columns	1
Number of filters	2
Number of IP44 fans	1
Average volume of treated air	160 m <sup>3</sup> /h
Average face velocity	0,5 m/s
Internal volume of the cabinet	0,376 m <sup>3</sup>
Renewals inside the cabinet / min	7,1
Total electrical power consumption	58 W
Voltage-Frequency	110-220 V - 50-60 Hz
LED light intensity	850 lm
Noise level	55 dB
<b>Packaging:</b> 100% recycled wooden box with international phytosanitary certificate	Volume 1,06 m <sup>3</sup> Weight 120 Kg

## SIZES (MM)

External			Internal		
Width	Depth	Height	Width	Depth	Height
1200	600	1136,5	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)

