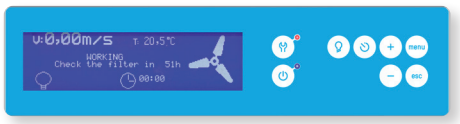
Ductless fume hoods
PLUG&PLAY RANGE

Plug&Play Range models **G-1**, **G-2**, **G-3**, **G-4** & **G-5**



NEW FEATURES

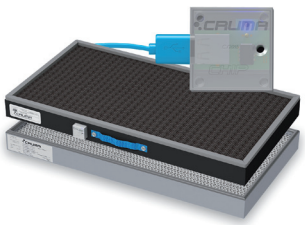
More information on the new LCD display



- √ New size 127x34mm display
- √ Air speed continuously monitored
- √ Type of filter installed, working hours, expiration date and next revision date
- √ Open door warning via 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
- √ Internal temperature sensor



New alarms and scheduled warnings

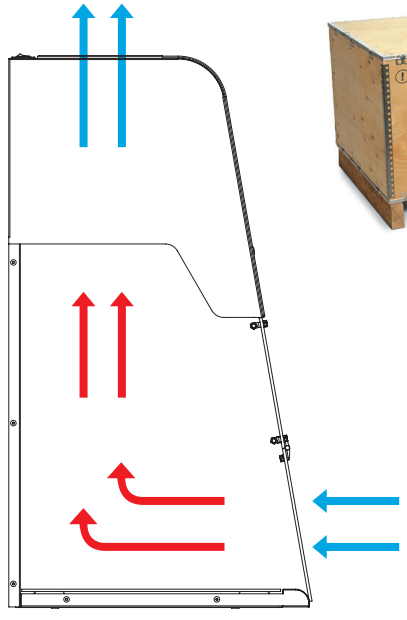
- √ Open door warning
- √ Open door in off mode warning
- √ 60h of filter use warning
- √ Next validation warning
- √ Few hours of filter life warning
- √ Countdown timer warning
- √ Expired filter alarm (by hours)
- √ Expired filter alarm (by date)
- √ Temperature alarm
- √ Equipment without filter alarm
- √ Low barrier alarm

USES

General chemistry involving small volumes of reagents or chemical compounds at ambient/moderate temperature in all types of laboratories:

- √ Research laboratories
- √ Quality control laboratories
- √ Clinical and hospital laboratories
- √ University and school laboratories

...In general, in any kind of laboratory.





This range is **delivered fully assembled**, provides a wider range of measures and has the option of incorporating multiple accessories.

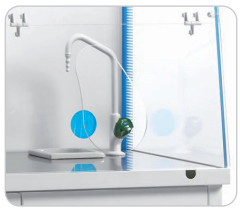
The fume hoods of the **Plug&Play range** are **Class I** and / or **Class II** according to **Standard NF X 15-211.**



Movilair



Tubular



Water Pack

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	Electronic device with door open 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 - 15 W / 1500 lm
Temperature probe	Electronic probe for continuous temperature monitoring inside the cabinet
Probe for sampling expelled air	Detection system for filter media saturation level
60 hours alarm	Countdown timer according French standard NF X 15-211
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
G4 Prefilter	Prefilter blanket of synthetic biofibers class G4 for atmospheric dust retention
Cable entry holes (2)	Rear wall acces for cable and/or service entry
Chemical Listing	Guide of retained product according to filter type
Warranty	10 years

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
Water Pack	Spill retention tray (2-10 liters) with working surface in stainless steel. 304. Includes a complete sink with water tap.
Working surface 2	Spill retention tray (2-10 liters) with working surface in stainless steel 316
Working surface 3	Spill retention tray (2-10 liters) with working surface in polypropilene (PP)
Vision rear panel	Rear wall made of 1.2 mm thick galvanized steel with a 4 mm thick transparent methyl methacrylate (PMMA) window
Power supply	On request available for 110 V / 127 V.
Filter test kit	Dräger pump with reactive colorimetric tubes (pack 10u)

MAIN STRUCTURE

Metal parts: base frame, rear wall and head	Made of 1.2 mm galvanized steel coated with anti-corrosive thermoplastic resin hardened at 200 °C.
Side panels and doors	Made of transparent methyl methacrylate (PPMA) 6 mm thick for the door and 8 mm thick for the sides. Light transmission of 93%.

MODULAR FILTRATION COLUMN FOR GASES AND PARTICLES (according to NFX 15-211:2009)

CLASS 2	CLASS 1
Type G Handling of liquid compounds /products	**Type 2G** Handling of liquid compounds/products with molecular security filter
Type GS Handling of liquid and particles compounds/ products	**Type 2GS** Handling of liquid and particles compounds/ products with molecular security filter
	Type 2GD Handling of liquid compounds/products in clean room with molecular security filter

Fan Molecular Filter HEPA-H14 Filter

TYPES OF FILTERS

Type A	Suitable for **organic vapours** such as ketones, ethers, alcohols, aromatic compounds, etc. Eventually. it may be used with inorganic acids, but only if used in small quantities, because this activated carbon is not impregnated and an excess of acid vapours would quickly saturate it.
Type BE	For **inorganic acid** vapours such as H2S04, HCl, HN03 and **volatile sulphur** compounds such as H2S, S03, etc. It is also recommended for filtering organic and inorganic compounds when they are produced in similar proportions, as activated carbon incorporates impregnations of metallic compounds and neutralising salts.
Type F	For **formaldehyde**, **formol fumes and their derivatives**, as well as for other organic compound.s Activated carbon is impregnated with oxidant agents.
Type K	Suitable for **ammonical vapours (NH3) and amines**, as well as for other organic componds. In this case, the carbon is imprenated with oxoacids.
Type ABEK	Mixed type to be used when the proportions between **organic**, **inorganic** and **NH3 / amines vapours** are similar.
Type D	**HEPA Filter** (High Efficiency Particulate Air) **H-14** (according to EN-29463-2) for filtering **particles of dust and fumes.**

DUCTLESS FUME HOOD. PLUG&PLAY RANGE

CRUMA G-1



The **Cruma G-1** is perfect to remove low quantities of gaseous polluting agents and/or solid particles/ aerosols from its working area in a simple, secure, efficient and cost effective way, protecting both the user and the environment.

Cruma G-1 ductless fume hood uses the **patented Cruma Filtration System**, without any exterior duct connection. All molecular and dust particles are absorbed and retained into the filtration system.

TECHNICAL FEATURES

Number of filtration columns		1
Number of filters		1 to 3
Number of IP44 fans		1
Average volume of treated air		164 m^3/h
Average face velocity		0,50 m/s
Internal volume of the cabinet		0,335 m^3
Renewals inside the cabinet / min		8,1
Total electrical power consumption		91 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	0,83 m^3
	Weight	95 Kg

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

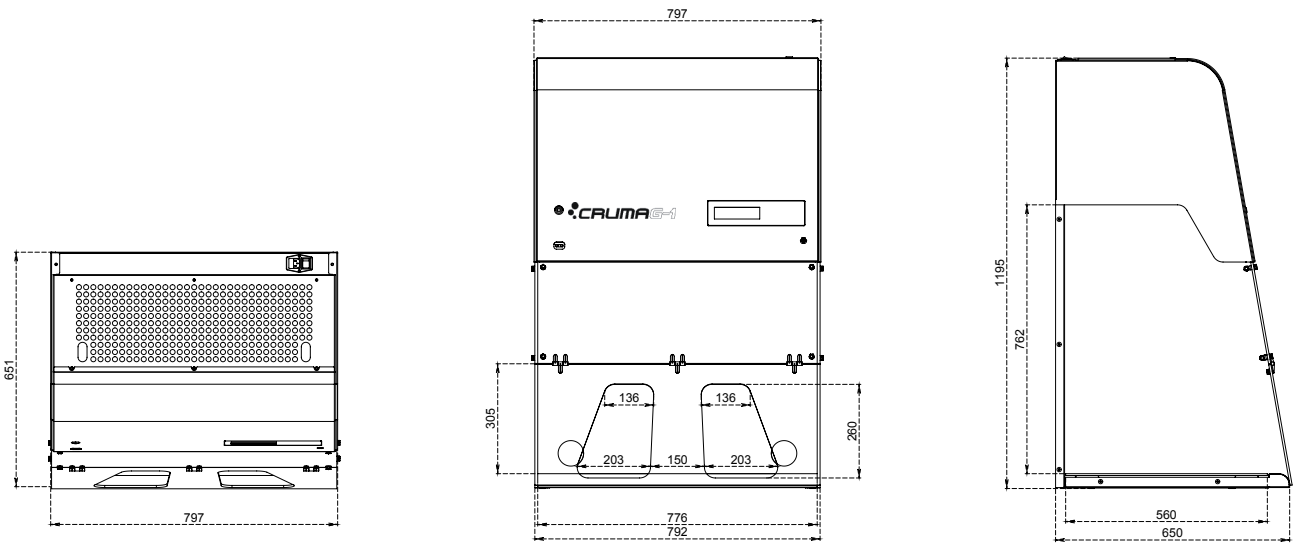
SIZES (mm)

External Dimensions			Internal Dimensions		
Width	Depth	Height	Width	Depth	Height
797	650	1196	776	567	762



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SIZES (mm)



DUCTLESS FUME HOOD. PLUG&PLAY RANGE

CRUMA G-2



The **Cruma G-2** is perfect to remove low quantities of gaseous polluting agents and/or solid particles/ aerosols from its working area in a simple, secure, efficient and cost effective way, protecting both the user and the environment.

Cruma G-2 ductless fume hood uses the **patented Cruma Filtration System**, without any exterior duct connection. All molecular and dust particles are absorbed and retained into the filtration system.

TECHNICAL FEATURES

Number of filtration columns		1
Number of filters		1 to 3
Number of IP44 fans		1
Average volume of treated air		164 m^3/h
Average face velocity		0,50 m/s
Internal volume of the cabinet		0,422 m^3
Renewals inside the cabinet / min		6,5
Total electrical power consumption		91 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	1,25 m^3
	Weight	130 Kg

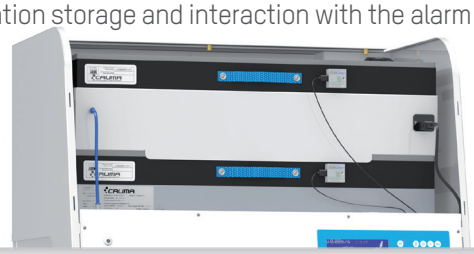
[1] On request available for 110 V / 127 V.

SIZES (mm)

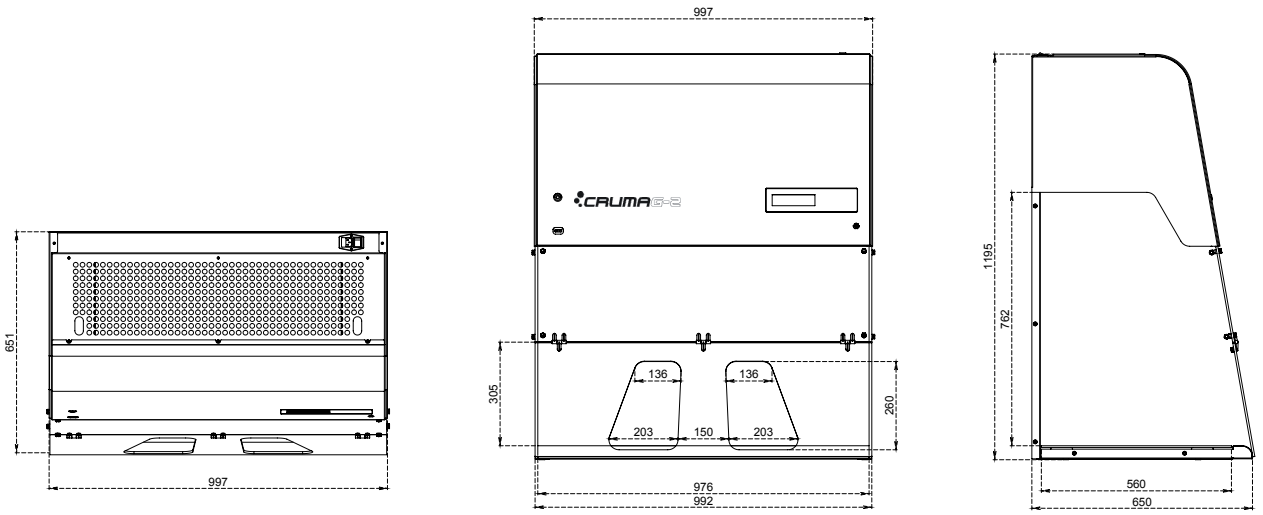
External Dimensions			Internal Dimensions		
Width	Depth	Height	Width	Depth	Height
997	650	1196	976	567	762

Filters with microchip and USB connection,
intelligent filtering

Information storage and interaction with the alarm system.



SIZES (mm)



DUCTLESS FUME HOOD. PLUG&PLAY RANGE

CRUMA G-3

The **Cruma G-3** is perfect to remove low quantities of gaseous polluting agents and/or solid particles/aerosols from its working area in a simple, secure, efficient and cost effective way, protecting both the user and the environment.

Cruma G-3 ductless fume hood uses the **patented Cruma Filtration System**, without any exterior duct connection. All molecular and dust particles are absorbed and retained into the filtration system.



TECHNICAL FEATURES

Number of filtration columns		2
Number of filters		2 to 6
Number of IP44 fans		2
Average volume of treated air		303 m^3/h
Average face velocity		0,50 m/s
Internal volume of the cabinet		0,687 m^3
Renewals inside the cabinet / min		7,3
Total electrical power consumption		174 W
Power supply [1]		220-240 V / 50-60 Hz
LED light level		1300 lx
Noise level		57 ± 3 dB
Packaging: 100% recycled wooden box with international phytosanitary certificate	Volume	1,96m^3
	Weight	180 Kg

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

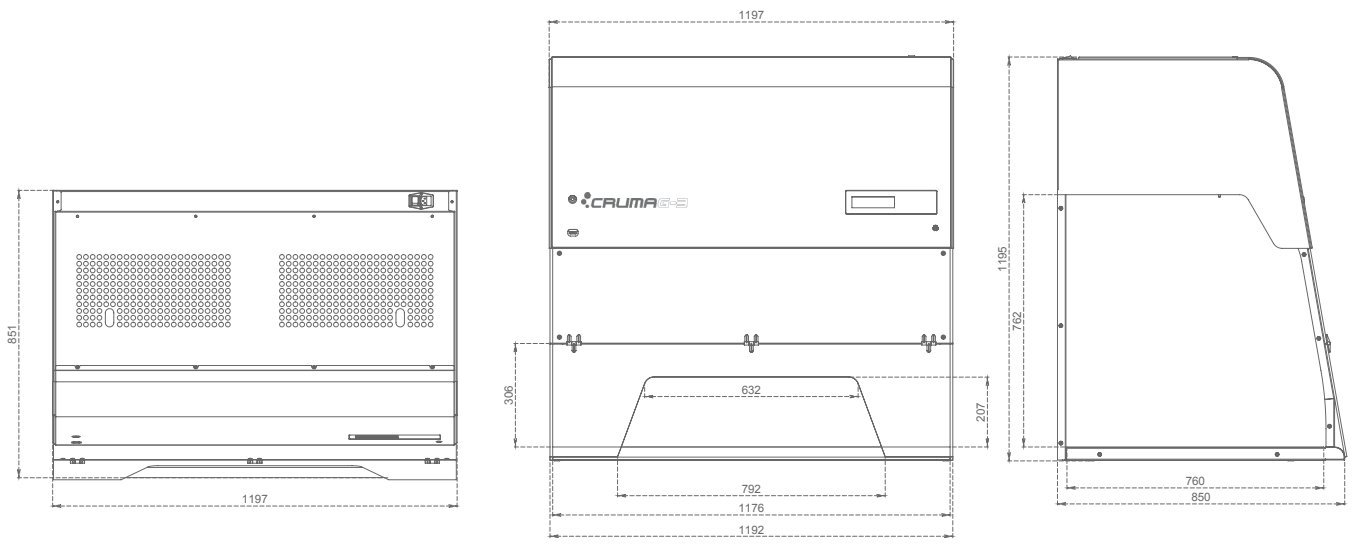
SIZES (MM)

External			Internal		
Width	Depth	Height	Width	Depth	Height
1197	850	1196	1176	767	762

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SIZES (mm)



DUCTLESS DUCTLESS FUME HOOD. PLUG&PLAY RANGE

CRUMA G-4



The **Cruma G-4** is perfect to remove gaseous polluting agents and/or solid particles/aerosols from its working area in a simple, secure, efficient and cost effective way, protecting both the user and the environment.

Cruma G-4 ductless fume hood uses the **patented Cruma Filtration System**, without any exterior duct connection. All molecular and dust particles are absorbed and retained into the filtration system.

TECHNICAL FEATURES

Number of filtration columns		2
Number of filters		2 to 6
Number of IP44 fans		2
Average volume of treated air		392 m^3/h
Average face velocity		0,50 m/s
Internal volume of the cabinet		0,92 m^3
Renewals inside the cabinet / min		7,1
Total electrical power consumption		174 W
Power supply [1]		220-240 V / 50-60 Hz
LED light level		1300 lx
Noise level		57 ± 3 dB
Packaging: 100% recycled wooden box with international phytosanitary certificate	Volume	2,75 m^3
	Weight	250 Kg

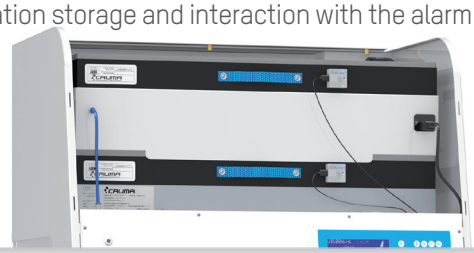
[1] On request available for 110 V / 127 V.

SIZES (MM)

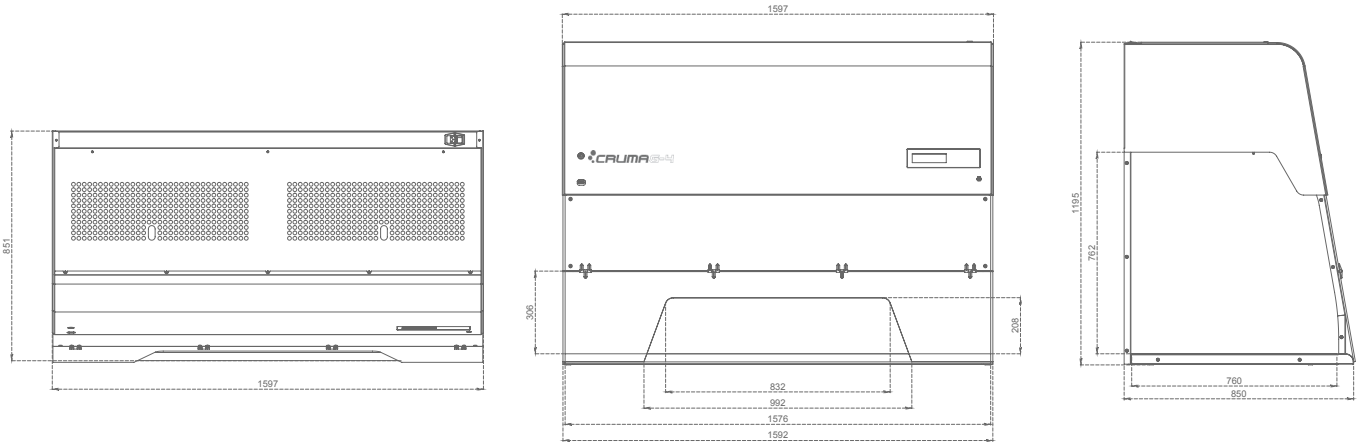
External			Internal		
Width	Depth	Height	Width	Depth	Height
1597	**850**	**1196**	**1576**	**767**	**762**

Filters with microchip and USB connection,
intelligent filtering

Information storage and interaction with the alarm system.



SIZES (mm)



DUCTLESS FUME HOOD. PLUG&PLAY RANGE

CRUMA G-5

The **Cruma G-5** is perfect to remove gaseous polluting agents and/or solid particles/aerosols from its working area in a simple, secure, efficient and cost effective way, protecting both the user and the environment.

Cruma G-5 ductless fume hood uses the **patented Cruma Filtration System**, without any exterior duct connection. All molecular and dust particles are absorbed and retained into the filtration system.



TECHNICAL FEATURES

Number of filtration columns		2
Number of filters		2 to 6
Number of IP44 fans		2
Average volume of treated air		476 m^3/h
Average face velocity		0,50 m/s
Internal volume of the cabinet		1,038 m^3
Renewals inside the cabinet / min		7,6
Total electrical power consumption		174 W
Power supply [1]		220-240 V / 50-60 Hz
LED light level		1300 lx
Noise level		57 ± 3 dB
Packaging: 100% recycled wooden box with international phytosanitary certificate	Volume	2,75 m^3
	Weight	290 Kg

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

SIZES (MM)

External			Internal		
Longitud	Width	Height	Longitud	Width	Height
1797	850	1196	1776	767	762

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SIZES (mm)

