

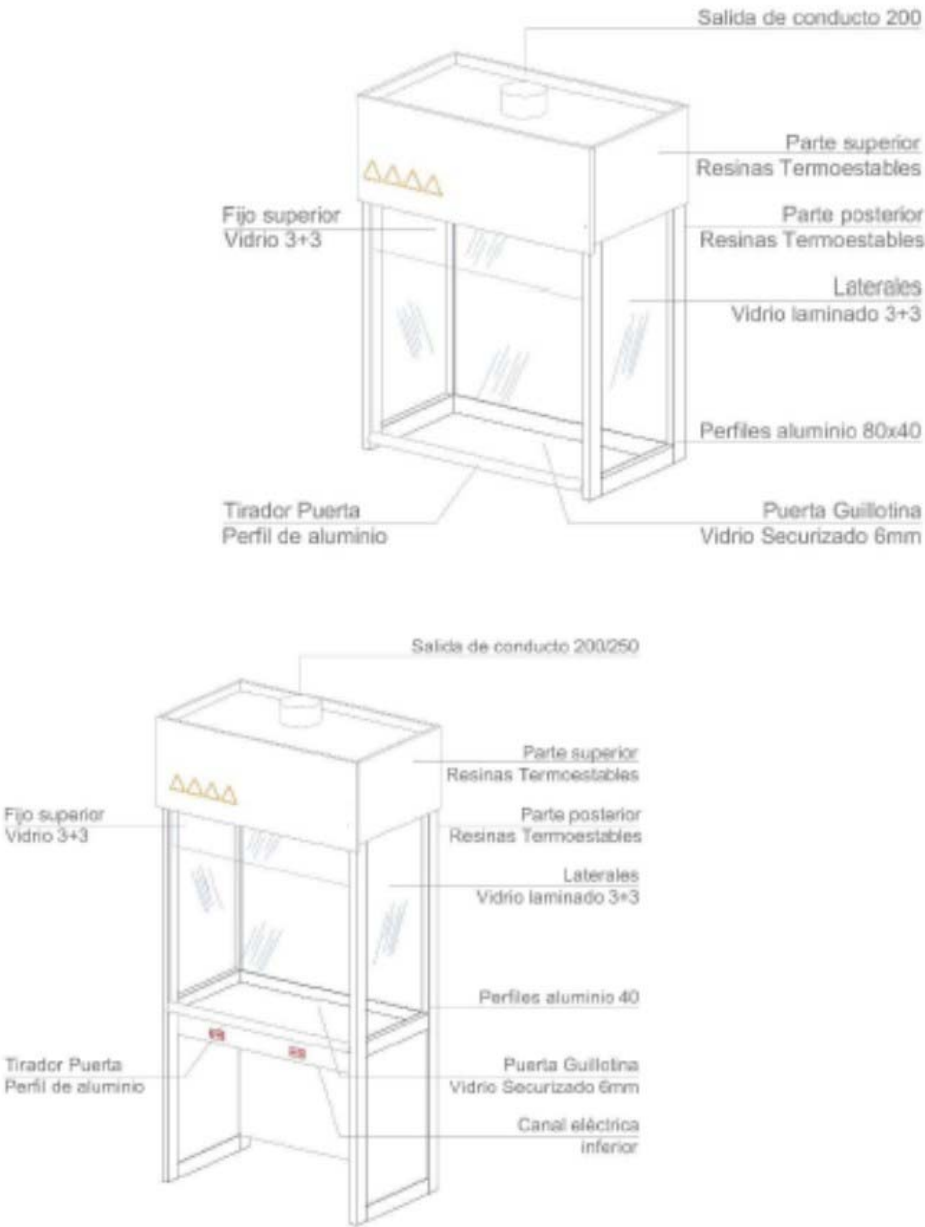
ITEM NO.	ITEM	DESCRIPTION
1.-	File number:	COM-040
2.-	Name:	EA FUME HOOD
3.-	Image:	 Examples of EA cabin
4.-	Description:	Extraction cabin for small jobs where non-corrosive laboratory gases, odours and fumes are generated. - Designed for total work visibility. - Open-plan design. - Minimalist line. - Aesthetic integration with the rest of the laboratory. Nowadays, there are 3 most common cabin sizes (EA-1200, EA-1500 and EA-1800), and they have an external width of 1200, 1500 and 1800 mm, respectively. Dimensions can be customised from a width of 800 to a maximum of 1800 mm. Safety comes first. The cabin is equipped with active and passive safety elements whose main objective is to avoid risks to people's health. Such risks may include the propagation of fire, the escape of noxious gases to the outside, etc. The safety elements also protect the integrity of the material components of a laboratory, which, apart from representing a high acquisition cost, could spread or increase the damage caused by an accident. The employees' health is the greatest asset. Dimanlab cabins incorporate elements in their design that not only contribute to ensure the safety of the team members, the main objective, but also their ergonomics. To name a few, we would like to mention the easy sliding of the guillotine door by means of counterweights, the easy handling of its operating system, an adequate and comfortable lighting and a minimum noise level, among others.

5.-	Models:	Commercially there are 3 cabins, corresponding to the following models: - EA -1200, with an external width of 1200 mm. - EA -1500, with an external width of 1500 mm. - EA -1800, with an external width of 1800 mm. - These models have customisable dimensions. - These models can be table-top or full body models.																																								
6.-	Dimensions:	Dimensions are fully adaptable to customer needs, up to 1800mm. In the case of larger dimensions, please contact the technical service. However, the following indicative measurements correspond to the following most common models: (*) 620 mm useful. (**) If they are table-top, the height is 1500mm, approx., depending on the height of the false ceiling. (***) Estimated. Depends on the final configuration of the cabin.																																								
7.-	Applications:	Extraction cabin designed for small jobs where gases, odours and non-corrosive laboratory fumes are generated. In case of special works and/or with corrosive products, please contact our technical service for higher range models.																																								
8.-	Components:	All the components of the cabin, listed below, are made of materials resistant to the mechanical, chemical and thermal forces to which they may be subjected during use and must not be easily combustible. In addition, our cabin allows almost all of its components to be disassembled in order to carry out changes or repairs very quickly, if necessary. <table><tr><th>Model</th><th>Width Ext.</th><th>Depth Ext.</th><th>Height Ext. (**)</th><th>Width Internal</th><th>Depth Internal</th><th>Height Internal</th><th>Weight (***)</th></tr><tr><td></td><td>mm</td><td>mm</td><td>mm</td><td>mm</td><td>mm</td><td>mm</td><td>kg</td></tr><tr><td>EA-1200</td><td>1200</td><td>700</td><td>2400</td><td>1120</td><td>660(*)</td><td>1300</td><td>320</td></tr><tr><td>EA -1500</td><td>1500</td><td>700</td><td>2400</td><td>1420</td><td>660(*)</td><td>1300</td><td>350</td></tr><tr><td>EA -1800</td><td>1800</td><td>700</td><td>2400</td><td>1720</td><td>660(*)</td><td>1300</td><td>380</td></tr></table> EXTERNAL CONSTRUCTION/STRUCTURE: Structure made of aluminium profiles. These profiles, with closed grooves on all four sides for good aesthetics, are also easy to clean and prevent the accumulation of dust. Sides in resin with the possibility of customisation, replacing with 3+3 transparent glass, for good visibility and entry of light into the workspace. INSIDE UPPER BODY: Made of high-density, fire-resistant, compact resin panels. WORK SURFACE: Cabin to be placed on the customer's existing worktop or new Dimanlab furniture, when it is a desktop unit. As an option, a new thermosetting resin worktop can be added to the existing work surface. If it is full body, the work surface is made of thermosetting resins. FRONT DOOR: Guillotine with 5 mm tempered glass. It slides smoothly on lateral guides, connected to the counterweight system by means of a steel cable, with a double pulley system at the back, which prevents the door from falling suddenly in the event of breakage or failure.	Model	Width Ext.	Depth Ext.	Height Ext. (**)	Width Internal	Depth Internal	Height Internal	Weight (***)		mm	mm	mm	mm	mm	mm	kg	EA-1200	1200	700	2400	1120	660(*)	1300	320	EA -1500	1500	700	2400	1420	660(*)	1300	350	EA -1800	1800	700	2400	1720	660(*)	1300	380
Model	Width Ext.	Depth Ext.	Height Ext. (**)	Width Internal	Depth Internal	Height Internal	Weight (***)																																			
	mm	mm	mm	mm	mm	mm	kg																																			
EA-1200	1200	700	2400	1120	660(*)	1300	320																																			
EA -1500	1500	700	2400	1420	660(*)	1300	350																																			
EA -1800	1800	700	2400	1720	660(*)	1300	380																																			

LOWER PART:
1 removable rear panel for connections access (if not desktop) and electrical channel with 1 double electrical socket.

UPPER FRONT:
Made up of an easily removable panel giving access to the pulley system, lighting and extraction tube connection.

SERVICES:
Standard services, although they can also be customised according to the needs:
1 LED light strip, guaranteeing illumination of more than 500 lux.
1 Switch on the control and surface panel. As an option, it can be added:
Electrical bases to be placed on the front profiles of the cabin.



*Optional

9.-	Operating:	The cabin is a collective protection equipment whose main function is to contain the gases produced inside the cabin and to convey them to the outside by means of an extractor. In order to guarantee the safety of the people around it. The whole evacuation process starts due to the depression caused by the extractor fan at the exit of the cabin. This extractor fan conveys the air from the top of the cabin to the outside of the building. This depression, in turn, causes an airflow through the cabin downstream. One part goes directly to the cabin roof.
10.-	Colour range:	- Structure: aluminium-coloured profiles. - Upper part of the resin body: white or grey colour. For colour customisation, please contact the technical service.
11.-	Ducting and aspiration:	This cabin is designed for direct extraction to the outside. By means of an anticorrosive centrifugal extractor fan made of polypropylene. CPV model according to the dimensions of the cabin, with perfectly balanced turbine and polypropylene casing. It is equipped with three-phase motor 230/400V-50Hz with IP55 protection. Maximum extraction flow rate (without taking into account pressure drop), sound level, power and r/min, depending on the model. Duct diameter 200-250mm, depending on the extractor fan.
12.-	Working Surface:	Bench-top extraction cabin, to be placed on top of the worktop of a laboratory bench. Full body extraction cabin, thermosetting resin worktop.
13.-	Electrical elements:	The electrical elements present in Dimanlab cabinets comply with the requirements of functionality and safety (CE marking), and include the lighting and the extractor motor itself, as well as the necessary protections for the equipment connected inside the cabinet.
14.-	Illumination:	LED strip lighting inside the cab. They ensure correct user vision for safe operation with minimum consumption. They comply with UNE EN14175:3 and provide a minimum of 500 lux.
15.-	Optional:	- Electrical bases to be located on the side profiles of the cabin. - Frequency inverter with pressure probe to regulate the air flow rate. - For further options, please contact the technical service.
16.-	Operational test:	Start-up and initial checking after tests carried out by Dimanlab trained personnel.
17.-	Cleaning guidelines:	EASY TO CLEAN AND DISINFECT The use of warm water, soap or standard commercially available detergents and a soft cloth is recommended. INSTRUCTIONS FOR USE: - Apply diluted product on the surface. Leave to act. - Rinse with clean water. - Dry with an absorbent cloth.
18.-	Maintenance guidelines:	- Regularly maintain the equipment in a proper state of cleanliness. - In addition, carry out periodic visual inspections of its functionality and state of conservation. In case of observing any deficiency in the operation or deterioration of any component, notify the Maintenance Department or the Technical Department of Dimanlab. - To ensure the correct monitoring of the standard 14175:4-5-6 during the useful life of the cabin and as established by the standard itself, it is recommended to contact the Dimanlab technical service to receive support for these tasks.

19.-	Dismantling guidelines:	- Please, contact the manufacturer. - All waste generated is treated by Dimanlab in accordance with the specific waste management regulations of each autonomous community and/or state.
20.-	Additional documentation:	Instructions manual