



New ChemFAST Generation

New Safety Generation



PROTECTION, SAFETY, RELIABILITY.
AND MORE.

Imagining, designing and producing, having the operator as a human being at the centre of our thoughts. This is what has guided us in the development of this new generation of chemical cabinets.

We have focused on technical engineers and researchers who, while working, will protect themselves with our cabinets. Their safety, their comfort and health depend on us. We know the chemical risk involved in their activities and we also know very well what happens if we underestimate such risk; for this reason we have designed 11 different models, based on 5 different aerodynamic technologies.

Only by having a good knowledge of these cabinets and through a combination of them, it is possible to achieve standards of safety and environmental respect that were beyond imagination until not so long ago.



ChemFAST *new safety generation.*

Because the risks involved in the lab are so many, a universal chemical cabinet for all purposes does not exist, so it is essential to find the best solution. More and more often, risks add up leading to situations in which it is not easy to identify the most suitable protection instrument. For this reason we have developed the most complete range of units:

Hybrid, Variable Air Volume, Constant Air Volume, Simple and Combined Filtration with air velocity from 0,1 up to 2 m/sec technology, because contaminants are multiple and many are the available technologies able to remove them.

11 different models from 60 cm up to even more than 8 m in width for a total of 48 different solutions.

ChemFAST Premium

ChemFAST Sharp

ChemFAST Classic

ChemFAST Custom

ChemFAST Elite

ChemFAST Top

ChemFAST Elite Analytcs

ChemFAST Spot

ChemFAST Distillation

CytoFAST Elite

GloveFAST Cyto Pharma

ChemFAST Premium

LET US DESIGN
THE LAB OF THE
FUTURE

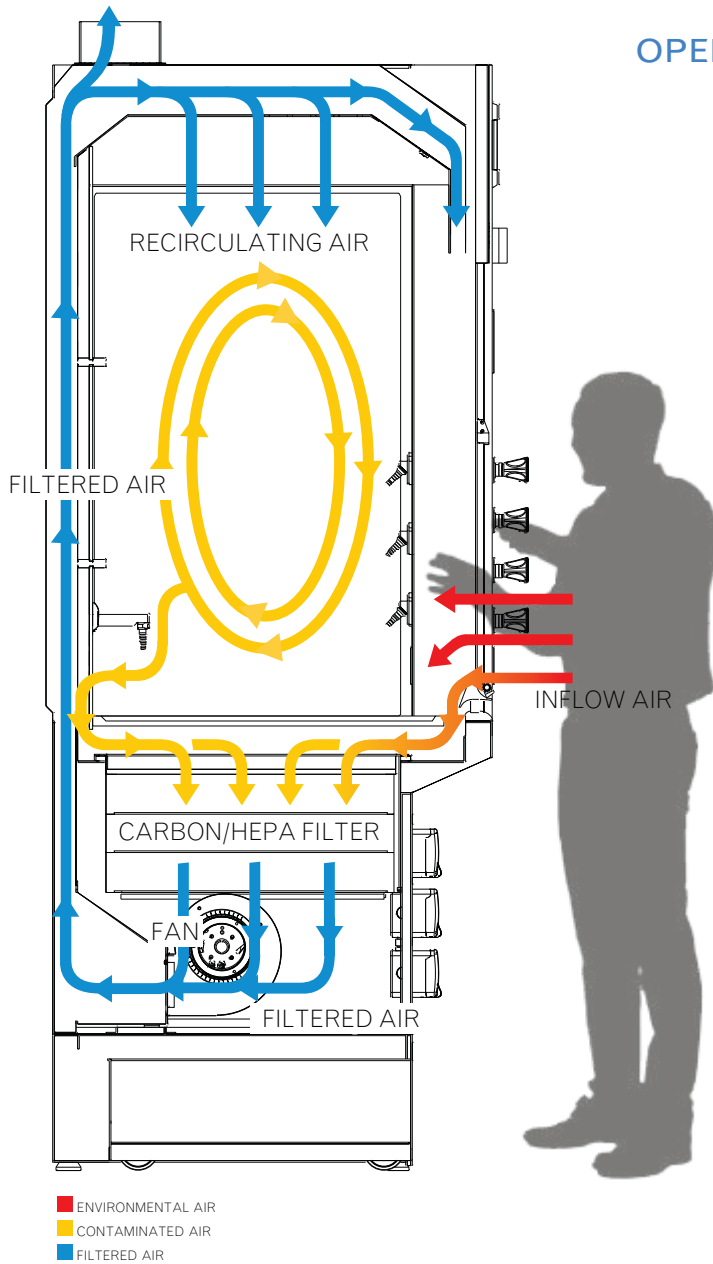
*A laboratory where the energy consumption decreases by 80%? How can it be? We have developed an advanced aeraulic system of recirculation and air filtration which, thanks to the continuous air filtration inside the working chamber, removes contaminants exactly from the point where they have been generated. **ChemFAST Premium** also controls a ventilated safety box which can be used either to stock reagents that are used daily or for the safety storage of solid and liquid disposal. Everything perfectly integrated in this system.*

- **Safety.** Contaminants and filtration removal exactly from the point where they have been generated
- **Inexpensivness.** Up to 80% less energy than the traditional chemical cabinets
- **Environment.** Exhaust of filtered air only to the outside
- **Ergonomics.** The first chemical cabinet designed to work even sitting on a chair
- **Touch screen control panel.** Large in size, because safety must be immediate and simple to use
- **IP66 plugged sockets.** Because protection is needed when the socket is used. With these features the sockets can also be mounted inside the internal space of the cabinet
- **Easy installation.** Thanks to the very low air consumption, a ducting with a diameter of 160 mm is enough



EXHAUSTED FILTERED AIR

OPERATIONAL PRINCIPLES



TECHNICAL INFORMATION

Description	Unit	ChemFAST Premium 12	ChemFAST Premium 15	ChemFAST Premium 18
Overall Dimensions (wxdxh) ⁽¹⁾	mm	1200x945x2600	1500x945x2600	1800x945x2200
Useful Dimensions (wxdxh)	mm	1148x750x1200	1480x750x1200	1780x750x1200
Exhaust Diameter	mm	160	160	160
Internal Filters weight	kg	29,5	36,5	45,0
Electrical input data	V/Hz	230/50	230/50	230/50
Power Absorbion ⁽²⁾	W	200	250	300
Exhaust Flow Rate	m ³ /h	198	270	338
Inflow Air Velocity ⁽³⁾	m/s	0,122	0,125	0,125
Dinamic Internal Air Barrier	m/s	1,40	1,55	1,55

⁽¹⁾ At the maximum aperture of the front sash.

⁽²⁾ External exhaust motor blower not included

⁽³⁾ Front aperture at 500 mm

ChemFAST Sharp

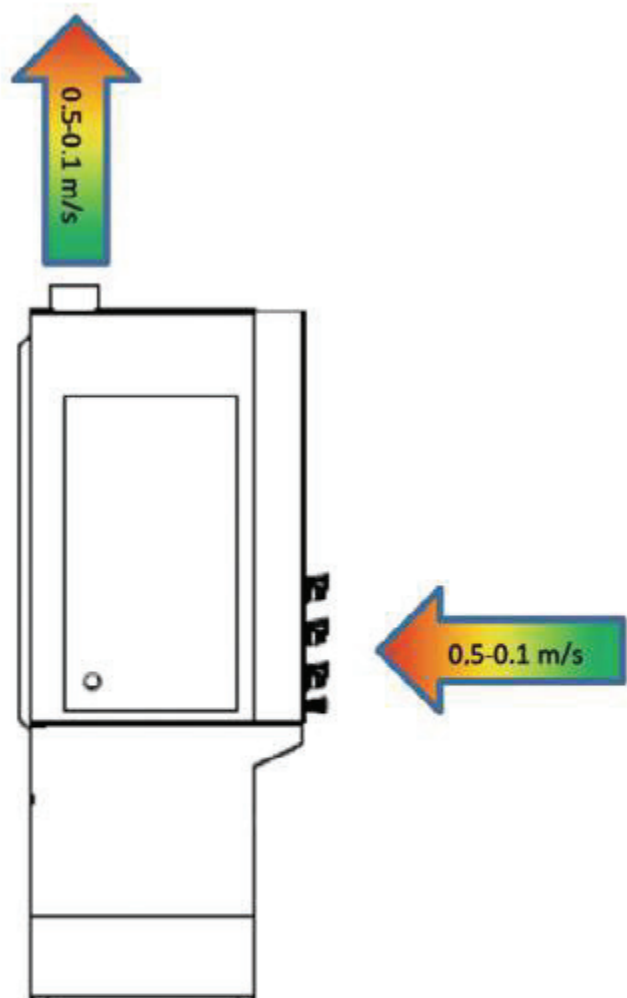
VARIABLE AIR VOLUME FUME HOOD FOR A SMART ENVIRONMENTAL APPROACH

ChemFAST Sharp represents the ideal solution for chemical labs because it is a combination of high standards of protection for the operator with a reduced air consumption. Safety and saving are finally available, without sacrificing anything, even in a total exhaust cabinet. The Variable Air Volume technology, which regulates the volume of exhausted air dependent upon the opening of the sliding front door, has been interpreted by FASTER in the light of the most recent technological solutions; for example we have eliminated the hot wire sensor, too unaccurate and unreliable for such applications, and replaced it with real anemometers which register flow rates and air velocities with extreme accuracy. All this because your safety depends on the correct air flow and it is our responsibility to assure this.

- **Safety.** Adjustable Variable Air Volume, dependent upon the level of the operator exposure
- **Environment.** Up to 40% of energy less than the traditional chemical cabinets. Optional filters suitable for retrofitting
- **Ergonomics.** Plenty of space beneath the cabinet for a ventilated safety box for the storage of reagents and opportunity to work sitting on a chair
- **Simplified control panel.** In order to continuously have under control the fundamental operation and safety parameters
- **Plugged IP66 sockets.** Because protection is needed when the socket is used. With these features the sockets can also be mounted inside the internal space of the cabinet



OPERATIONAL PRINCIPLES



MODELS

ChemFAST Sharp Ceramic

This model is meant for handling strong acids at high temperatures. Internal coating with ceramic panels made of stoneware which do not affect the aeraulic performance.

ChemFAST Sharp Polypropylene

This model is meant for handling hydrofluoric acid. Internal coating with polypropylene panels which do not affect the aeraulic performance.

TECHNICAL INFORMATION

Description	Unit	ChemFAST Sharp 12	ChemFAST Sharp 15	ChemFAST Sharp 18	ChemFAST Sharp 21	ChemFAST Sharp 24
Overall Dimensions (wxdxh)	mm	1200x945x2600	1500x945x2600	1800x945x2200	2100x945x2200	2400x945x2200
Useful Dimensions (wxdxh)	mm	1148x750x1200	1480x750x1200	1780x750x1200	2080x750x1200	2380x750x1200
Electrical input data	V/Hz	230/50	230/50	230/50	230/50	230/50
Power Absorbtion ⁽¹⁾	W	100	150	200	200	350
Exhaust Diameter	mm	250	250	250	250/315	315
Inflow Air velocity ⁽²⁾	m/s	0,3/0,5	0,3/0,5	0,3/0,5	0,3/0,5	0,3/0,5
Air Consumption:	cm/h	490	650	810	975	1130
Working Conditions ⁽³⁾						
Maximum and Minimum Exhaust Flow Rate	m3/h	50/815	65/1085	80/1355	100/1625	120/1895

⁽¹⁾ External exhaust motor blower not included

⁽²⁾ To be selected during the installation

⁽³⁾ Measured at 500 mm Front Aperture and 0,3 m/s inflow velocity

ChemFAST Classic

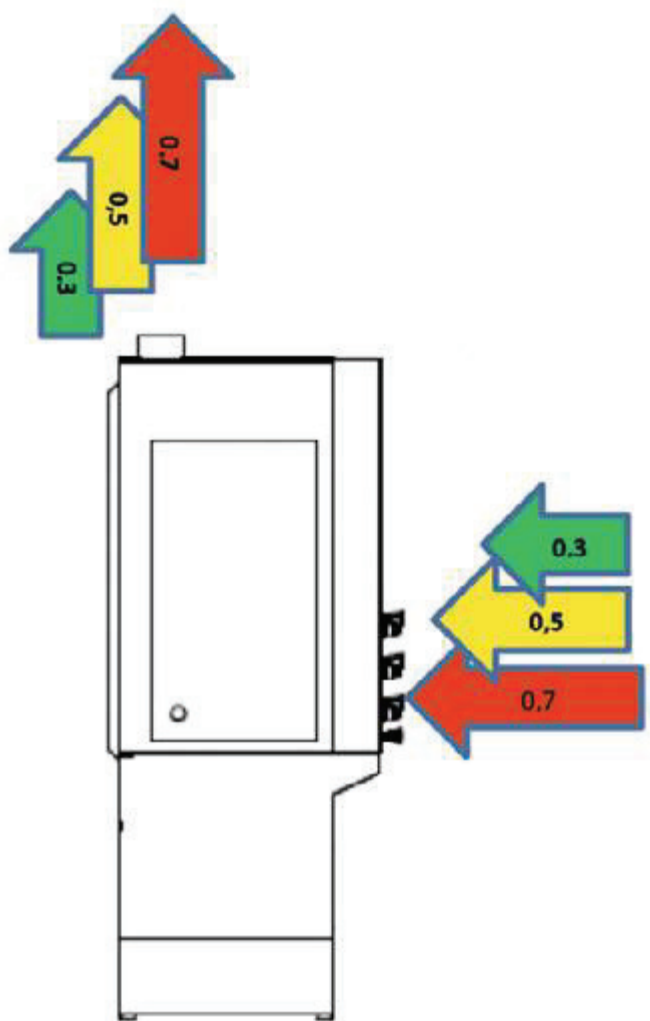
CONSTANT
AIR VOLUME:
A VERSATILE
SOLUTION

ChemFAST Classic assures flexibility, safety and user friendliness at a very reasonable price. The constant exhaust airflow, Constant Air Volume, can be adjusted from 0,3 to 0,7 m/sec, both during the installation and the ordinary maintenance; this feature makes it possible to choose the safest velocities for the removal of the contaminants, in accordance with the activities carried out inside the cabinet, and also to adapt them to the conditions of the environment and to the applications performed in the laboratory. In the ChemFAST Classic also we have installed a real vane anemometer which supplies the most accurate information on the air velocity within the exhaust circuit, because your safety will depend on such values.

- **Safety.** Possibility to choose the most suitable velocities for the removal of the various contaminants
- **Environment.** Constant velocity air flow rate that can be selected during the installation between 0, 3 and 0,7 m/s. Optional filters suitable for retrofitting
- **Ergonomics.** Plenty of space beneath the cabinet for a ventilated safety box for the storage of reagents and opportunity to work sitting on a chair
- **Simplified control panel.** In order to continuously have under control the fundamental operation and safety parameters
- **Plugged IP66 sockets.** Because protection is needed when the socket is used. With these features the sockets can also be mounted inside the internal space of the cabinet



OPERATIONAL PRINCIPLES



MODELS

ChemFAST Classic Ceramic

This model is meant for handling strong acids at high temperatures. Internal coating with ceramic panels in stoneware which does not affect the aeraulic performance.

ChemFAST Classic Polypropylene

This model is meant for handling hydrofluoric acid. Internal coating with polypropylene panels which do not affect the aeraulic performance.

TECHNICAL INFORMATION

Description	Unit	ChemFAST Classic 12	ChemFAST Classic 15	ChemFAST Classic 18	ChemFAST Classic 21	ChemFAST Classic 24
Overall Dimensions (wxdxh)	mm	1200x945x2600	1500x945x2600	1800x945x2200	2100x945x2200	2400x945x2200
Useful Dimensions (wxdxh)	mm	1148x750x1200	1480x750x1200	1780x750x1200	2080x750x1200	2380x750x1200
Exhaust Diameter	mm	250	250	250	250/315	315
Electrical input data	V/Hz	230/50	230/50	230/50	230/50	230/50
Power Absorbtion ⁽¹⁾	W	100	125	150	200	225
Inflow Air velocity ⁽²⁾	m/s	0,3/0,5/0,7	0,3/0,5/0,7	0,3/0,5/0,7	0,3/0,5/0,7	0,3/0,5/0,7
Air Consumption:	m ³ /h	490/815/1150	650/1085/1520	810/1355/1900	975/1625/2275	1130/1895/2650
Working Conditions ⁽³⁾						

⁽¹⁾ External exhaust motor blower not included

⁽²⁾ To be selected during the installation

⁽³⁾ Measured at 500 mm Front Aperture and 0,3/0,5/0,7 m/s inflow velocity

ChemFAST Custom

LARGE, SAFE
AND
COMFORTABLE

Finally a large protected space which can be configured and prepared without space constraints common to the standard laboratory units.

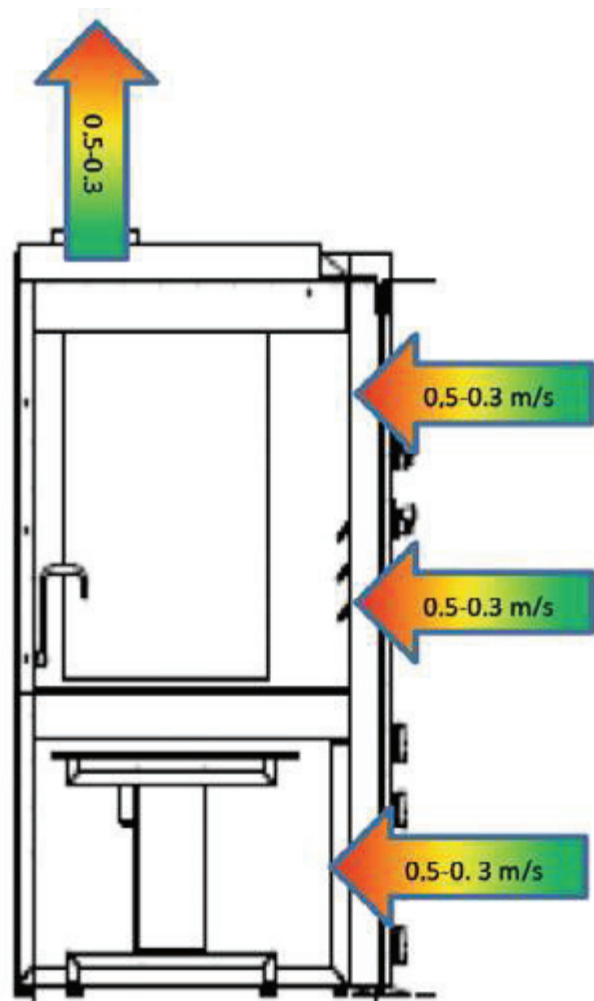
*The ideal solution for a safety installation of scale up units, kilolab, large rotating evaporators, synthesis systems, distillation columns or colorators. Whatever the size of the instrument or unit that needs to be installed in a ventilated area is, you will always be able to find a specific solution in the **ChemFAST Custom**.*

With a maximum width of 8 meters and a depth of 1,2 m you will obtain the most unexpensive safety space of all the laboratory. The protection level is guaranteed by a two stadium system which activates alarms and the maximum flow rate only when the access doors are open.

While operating, whatever the width is, your ChemFAST Custom will consume as much as a standard laboratory cabinet assuring more than 50 air changes per hour.



OPERATIONAL PRINCIPLES



- **Safety.** Large ventilated areas with more than 50 air changes per hour
- **Environment.** On equal area dimensions, energy consumption lower than Walk-In chemical cabinets
- **Ergonomics.** Free configurable spaces, wide range of possible utility installations, internal and external to the cabinet
- **Simplified control panel.** In order to continuously have under control the fundamental operation and safety parameters
- **Plugged IP66 sockets.** Because protection is needed when the socket is used. With these features the sockets can also be mounted inside the internal space of the cabinet

TECHNICAL INFORMATION

Description	Unit	ChemFAST Custom	ChemFAST Custom	ChemFAST Custom	ChemFAST Custom	ChemFAST Custom	ChemFAST Custom
		35	45	55	65	75	85
Overall Dimensions (wxdxh)	mm	3500x1350x2350	4500x1350x2350	5500x1350x2350	6500x1350x2350	7500x1350x2350	8500x1350x2350
Useful Dimensions (wxdxh)	mm	3000x1250x2050	4000x1250x2050	5000x1250x2050	6000x1250x2050	7000x1250x2050	8000x1250x2050
Exhaust Diameter	N Diameter	2 250	2 250	2 315	2 315	3 315	3 315
Electrical input data	V/Hz	230/50	230/50	230/50	230/50	230/50	230/50
Power Absorbion ⁽¹⁾	W	300	300	400	400	500	500
Inflow Air velocity ⁽²⁾	m/s	0,3/0,5	0,3/0,5	0,3/0,5	0,3/0,5	0,3/0,5	0,3/0,5
Air Consumption:	mc/h						
Working Conditions ⁽³⁾ stand by mode		360	490	620	750	880	1010
at 0,3 m/s		2100	2250	2400	2550	2700	2850
at 0.5 m/s		3500	3650	3800	3950	4100	4250

⁽¹⁾ External exhaust motor blower (s) not included

⁽²⁾ To be selected during the installation; measured with a front opening of 950X2000 mm (1 sliding front door open)

⁽³⁾ Measured with a front opening of 950X2000 mm (1 sliding front door open)

ChemFAST Top/Elite

INTELLIGENT AND GREEN

This range of molecular filtration cabinets is addressed to all the labs in which the chemical risk involved is very low, characterized by unfrequent use of small quantities of toxic harmful products. They are also used to remove and filter vapours and fumes produced by instruments such as gas cromatorographies, HPLC, MPLC, rotating evaporators and to increase the safety in all the activities that are usually carried out on no ventilated benches.

In these units the air is taken in from the lab environment, through the front opening; the air passes through the working surface level and spreads over the area in which the contaminants are, through an ascendant air flow towards the upper area of the cabinet. Here the air passes through a prefilter which removes the particulate and then, by means of an activated charcoal filter, a chemical and a physico-chemical interaction of the contaminant with the absorbing media takes place. The airflow is finally exhausted outside the unit, recirculated inside the environment or directed outside through a suitable ducting system, dependent upon the type of installation.

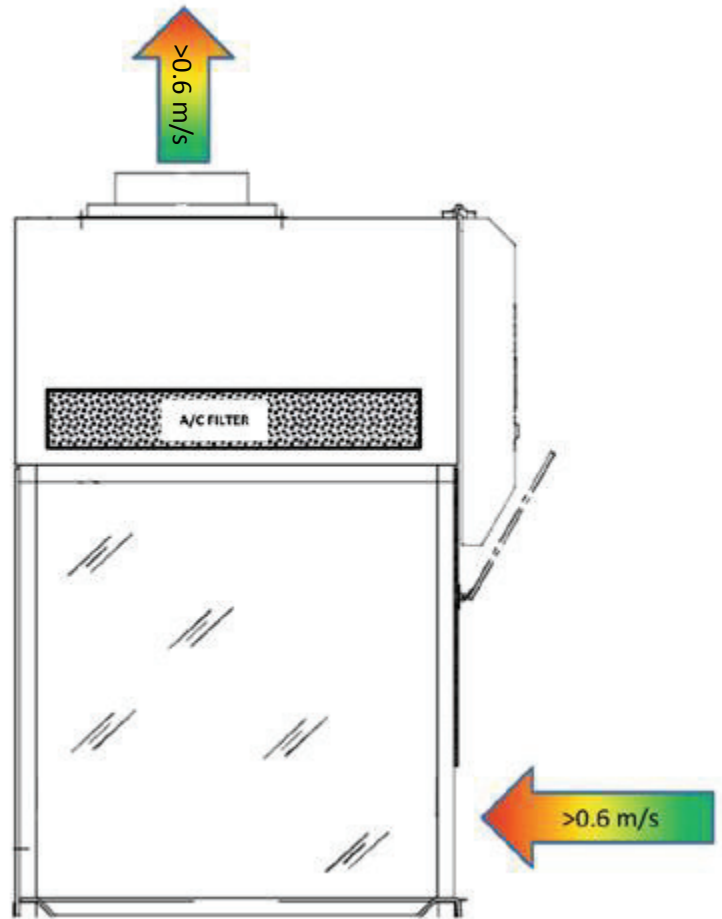
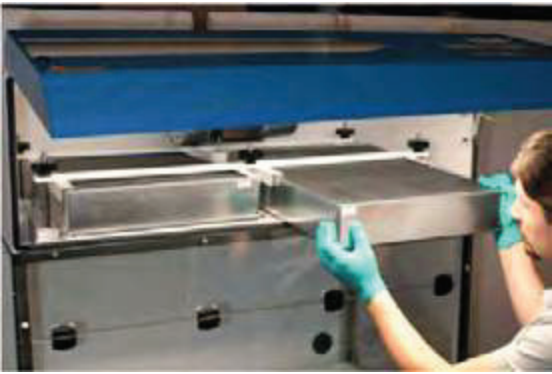


ChemFAST Top/Elite

Recirculation or exhaust molecular filtration cabinet, for the protection of the operator and environment against chemicals, solvents, vapours and aerosol. These units are recommended for unfrequent use of volatile chemical compounds.

The Elite model is equipped with a microprocessor monitoring system for the control of the functional parameters: audible and visual alarms, automatic regulation of the air velocity, gas detector, hour-counter.

OPERATIONAL PRINCIPLES



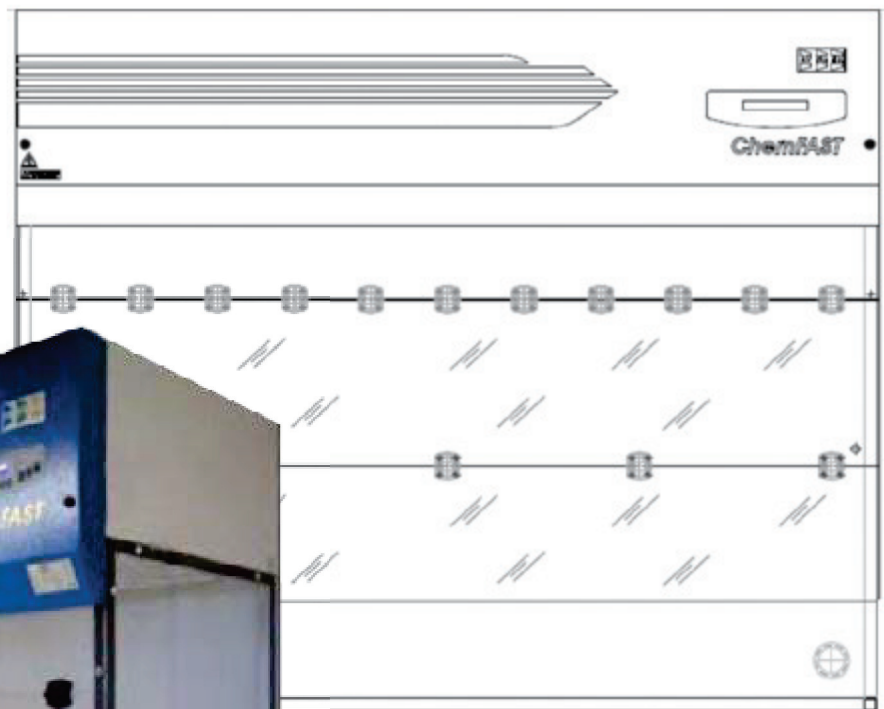
TECHNICAL INFORMATION

Description	Unit	Chem FAST Top/Elite 06	Chem FAST Top/Elite 09	Chem FAST Top/Elite 12	Chem FAST Top/Elite 15	ChemFAST Top/Elite 18
Overall Dimensions (wxdxh)	mm	595x760x1120	885x760x1120	1185x760x1120	1500x760x1120	1800x760x1120
Useful Dimensions (wxdxh)	mm	533x600x660	823x600x660	1123x600x660	1438x600x660	1738x600x660
Working Front Aperture	mm	200	200	200	200	200
Max Front Aperture	mm	455	455	455	455	455
Pre-filters	n	1	2	2	2	2
Activated Charcoal Filter (1° level)	n	1	2	2	3	4
Activated Charcoal Filter (optionale 2° level)	n	1	1	1	2	2
Electrical input data	V/Hz	230/50	230/50	230/50	230/50	230/50
Power Absorbion	W	88	122	207	210	240
Exhaust Flow Rate	m³/h	300	400	600	700	800
Inflow Air velocity	m/s	>0.6	>0.6	>0.6	>0.6	>0.6

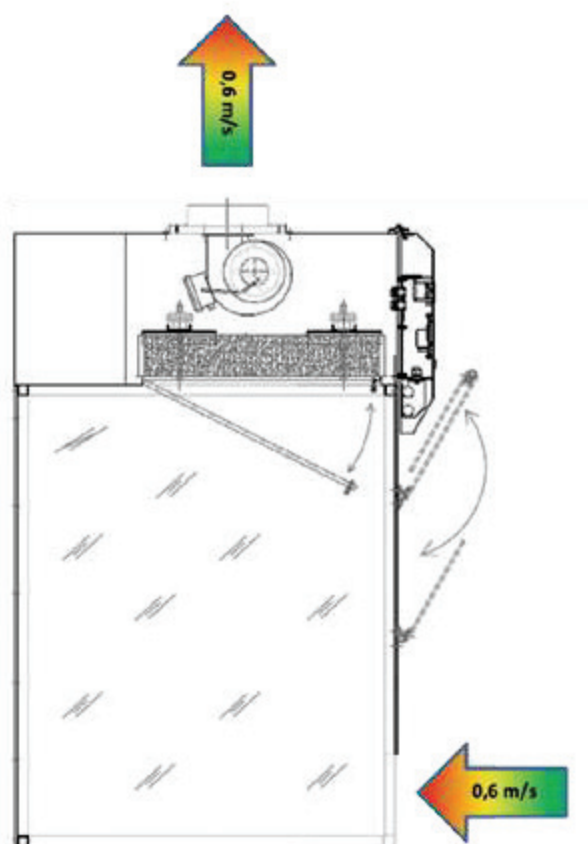
ChemFAST Elite Analytics

FROM CHEMISTRY
TO CHEMISTRY

Recirculating or exhaust molecular filtration cabinet, made to sit on a bench, and suitable for lodging analytical instruments up to 1100 mm in height. With double front opening which helps to access the highest part of the instruments. Thanks to advanced control systems it is possible to set the air velocity through a digital processor, continuously monitor the operation conditions and the functioning status during the prefiltration and filtration phase controlling the maintenance intervals. Equipped with presscables on the three sides.



OPERATIONAL PRINCIPLES



TECHNICAL INFORMATION

Description	Unit	Chem FAST Analytics 12
Overall Dimensions (wxdxh)	mm	1185x760x1600
Useful Dimensions (wxdxh)	mm	1123x730x1130
Working Front Aperture	mm	200
Front Aperture		
1° hinged door	mm	455
2° hinged door	mm	824
Pre-filters	n	2
Activated Charcoal Filter (1° level)	n	2
Activated Charcoal Filter (Optional 2° level)	n	1
Electrical input data	V/Hz	230/50
Power Absorbtion	W	207
Exhaust Flow Rate ⁽¹⁾	m ³ /h	600
Inflow Air Velocity ⁽²⁾	m/s	>0.6

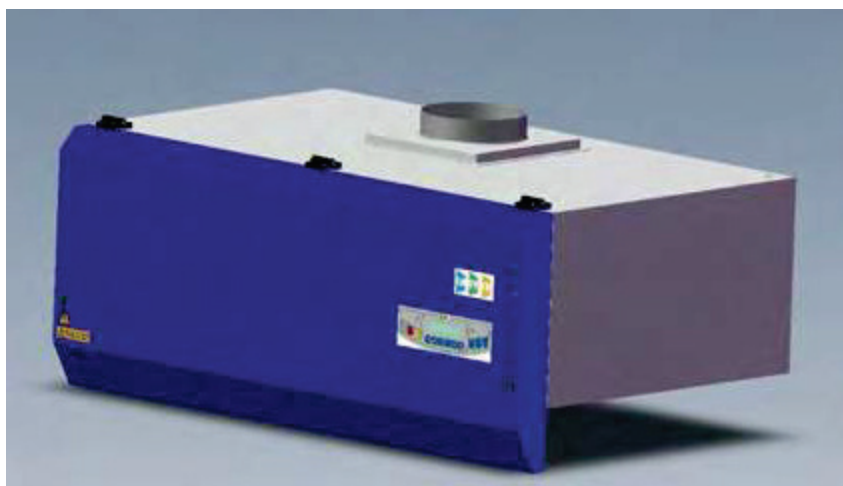
⁽¹⁾ Air Volume recirculated inside the laboratory or externally ducted.

⁽²⁾ Measured at Front Aperture of 200 mm.

ChemFAST Spot

ECO-FRIENDLY AIR PURIFICATION TECHNOLOGY

Exhaust or recirculating molecular filtration unit. To be installed on a shelf fixed onto a bearing wall or self bearing structure made of steel. Meant for creating vertical exhaust areas close to working benches and sinks, ideal for reducing the risk involved in the use of solvents, vapours and aerosol. If not ducted, it is suitable for unfrequent use of low quantities of volatile chemical compounds and to filter the air of the environment with a low number of air changes per hour.



TECHNICAL INFORMATION

Description	Unit	Chem FAST Spot 06	Chem FAST Spot 09	Chem FAST Spot 12
Overall Dimensions (wxdxh)	mm	595x760x460	885x760x460	1185x760x460
Pre-filters	n	1	2	2
Activated Charcoal Filter (1 ^o level)	n	1	2	2
Activated Charcoal Filter (Optional 2 ^o level)	n	1	1	1
Electrical input data	V/Hz	230/50	230/50	230/50
Power Absorbtion	W	88	122	207
Exhaust Flow Rate ⁽¹⁾	m ³ /h	300	400	600
Inflow Air Velocity ⁽²⁾	m/s	>0.6	>0.6	>0.6

⁽¹⁾ Air Volume recirculated inside the laboratory or externally ducted

⁽²⁾ Measured at 100 mm from the filter surface

ChemFAST Distillation

THE ULTIMATE SOLUTION FOR DISTILLATION AND SYNTHESIS PROCESS

*The Variable Air Volume technology which regulates the volume of the exhausted air dependent upon the opening of the sliding front door, has been interpreted by FASTER in the light of the most recent technological solutions also for the **ChemFAST Distillation**, enabling us to obtain high standards of safety, low energy consumption and a comfortable access to the internal space. The idea of this unit is born from a careful study of the lab needs in which synthesis, distillation and sterilization processes are carried out and frequently take place in the configuration of the equipment placed inside the cabinet. Large capacity distillation columns, vapour current distillators and rotating evaporators require suitable and accessible spaces; moreover, a number of gas, vacuum, cooling media utilities, easy and safe for the operator to deal with, must also be available.*

Completely built in stainless steel AISI 304 and equipped with two vertical independent electrically operated sliding front doors, this unit assures the maximum safety for the operator and a good economy in the management of the exhausted air volumes.

MODELS

Standard ChemFAST Distillation

Model with front access and independent double electrically operated front door.

Double ChemFAST Distillation

Model with double front opening thanks to the 4 sliding electrically operated front doors. Easy access to the instrument inside the unit for loading, unloading, maintenance and reconfiguration activities.



TECHNICAL INFORMATION

Description	Unit	Chem FAST Distillation Standard	Chem FAST Distillation Double
Overall Dimensions (wxdxh)	mm	2530x1100x3053	2530x1880x3053
Useful Dimensions (wxdxh)	mm	2400x900x1750	2400x1800x1750
Exhaust Diameter	mm	1x315	2x315
Front Sash Aperture			
maximum value	mm	1200	1200
working value	mm	50	50
Electrical Input Data ⁽¹⁾	V/Hz	230/50	230/50
Power Absorption ⁽¹⁾	W	300	600
Inflow Air Velocity	m/s	0,5	0,5
Exhaust Flow Rate	m ³ /h		
- with two sashes at 50 mm (working condition)		200	400
- sash at 500 mm		2200	4400

⁽¹⁾ External exhaust motor blower (s) not included.

High containment systems for combined risks

High containment technologies used to carry out activities in which extremely dangerous applications with powders, low TLV liquids and biological compounds are involved or in all those situations where the chemical and biological risk is not easily recognizable. These systems are employed also in the preparation of antineoplastic chemotherapeutics and in the handling of cytotoxic pharmaceuticals (according to DIN 12980) and pathogenic material (according to EN 12469), assuring the protection of the product, operator and environment.



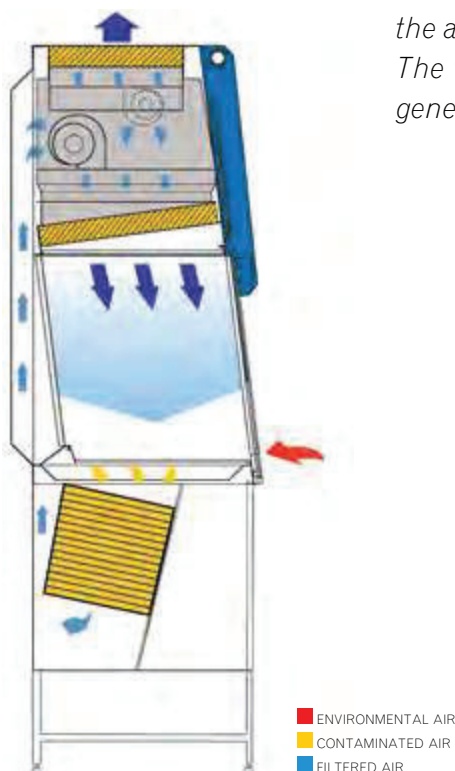
CytoFAST Elite

WHEN THE
STANDARD FUME
HOOD IS NOT
ENOUGH

Vertical laminar flow cabinet, chemical and biological safety unit, Class II according to EN 12469, in Class 5 ISO according to UNI EN ISO 14644-1 and for cytostatic drugs type H according to DIN 12980. For the safe handling of low TLV products and biological compounds extremely dangerous external ducting is recommended.

The cabinet is equipped with a **triple HEPA|ULPA filtration system** with low pressure drop: HEPA|ULPA LAF filter, through which the laminar air flow comes down on the work surface, HEPA|ULPA filtration system under the work surface and HEPA|ULPA exhaust filter fitted close to the aperture on the top.

The whole process is controlled and managed by the last generation integrated microprocessor.



TECHNICAL INFORMATION

Description	Unit	CytoFAST Elite 209	CytoFAST Elite 212	CytoFAST Elite 215	CytoFAST Elite 218
Overall Dimensions (wxdxh) ⁽¹⁾⁽²⁾	mm	1045x855x2345	1350x855x2345	1655x855x2345	1960x855x2345
Useful Dimensions (wxdxh)	mm	887x580x740	1192x580x740	1497x580x740	1802x580x740
Exhaust Diameter	mm	200	200	200	200
Working Aperture ⁽³⁾	mm	200	200	200	200
Exhaust Flow Rate	m ³ /h	290	390	485	585
Noise Level	db(A)	<53	<54	<55	<56
Lighting	Lux	>1100	>1200	>1200	>1300
Electrical Input data	V/Hz	230/50	230/50	230/50	230/50
Current Absorbion ⁽⁴⁾⁽⁵⁾	A	2.3	3.0	3.6	4.5
Heat Emission	W	175	240	280	360

⁽¹⁾ The total depth can be easily reduced to 790 mm for easy access; ⁽²⁾ Overall Height without the supporting stand: 1995 mm; ⁽³⁾ Alternative sash setting: 160 and 250 mm

⁽⁴⁾ At operation conditions according to EN 12469:2000 e DIN 12980:2016; ⁽⁵⁾ Filters and lighting in good conditions. External devices consumption not included

GloveFAST CytoPharma

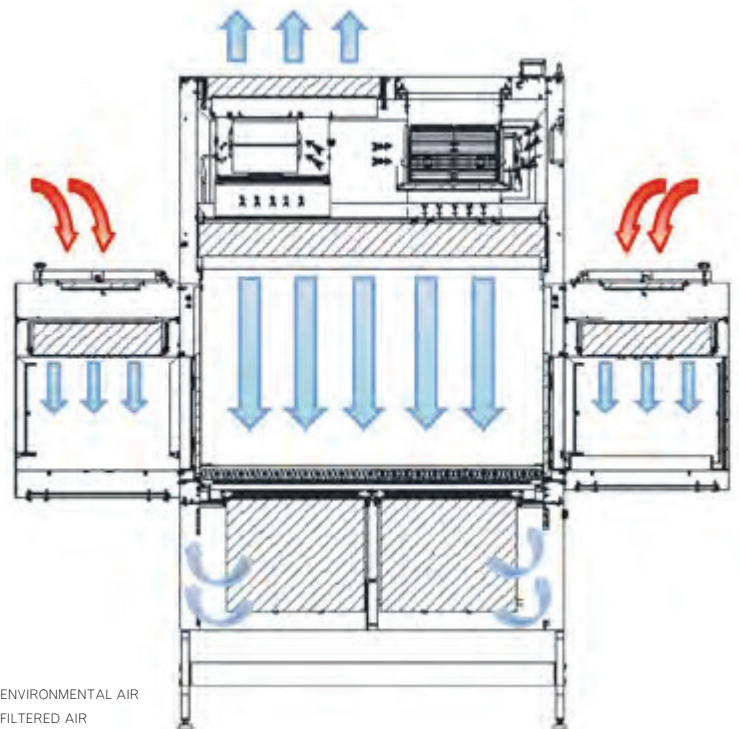
YOUR SAFETY,
OUR PRIORITY

The unit physically separates the chemical process from the operator and the environment. Used wherever there is a high chemical risk, for the handling of harmful toxic products with low TLV, this cabinet provides a clean air environment within the laminar airflow, isolating both the operator and the environment from the process. For the safe handling of low TLV products and biological compounds extremely dangerous, an external ducting is recommended.

*The **Pass-Boxes** are fitted with a **double HEPA|ULPA** filtration system which guarantees a condition of laminar airflow on the material handled, before it is transferred inside the working chamber.*

*The **main body** is equipped with a **triple HEPA|ULPA** filtration system with low pressure drop: HEPA|ULPA main filter through which the laminar air flow air comes down on the work surface, HEPA|ULPA filtration system under the work surface, and HEPA|ULPA exhaust filter fitted close to the aperture on the top of the cabinet.*

The whole process is controlled and handled by the last generation integrated microprocessor.



TECHNICAL INFORMATION

Description	Unit	GloveFAST CytoPharma 242	GloveFAST CytoPharma 253	GloveFAST CytoPharma 264
Overall Dimensions (Isolator+Transfer- wxdxh)	mm	2510x870x2300	2815x870x2300	3120x870x2300
Useful Dimensions (wxdxh)	mm	1192x580x740	1497x580x740	1802x580x740
Exhaust Diameter	mm	200	200	200
Transfer Hatch Overall Dimensions (wxdxh)	mm	580x658x1300	580x658x1300	580x658x1300
Construction	External Body: Working Area: Transfer Hatch: (type C2 according to ISO-FDIS 14644-7)	Epoxy powder painted steel. *AISI 304-316 L stainless steel on request AISI 304 rear wall. AISI 316L working surface Frontal and side stratified safety glasses AISI 304L stainless steel, 2B finishing, 1.2 mm (0.05") and 1.5 mm (0.06") thickness		
Filtration	Transfer Hatch: Main Body:	Inlet low pressure drop certified HEPA H14/ULPA filter; efficiency 99,995% MPPS CEN EN 1822 Recirculating low pressure drop certified HEPA H14/ULPA filter; efficiency 99,995% MPPS CEN EN 1822 Main low pressure drop certified HEPA H14/ULPA filter; efficiency 99,995% MPPS CEN EN 1822 Recirculating low pressure drop certified HEPA H14/ULPA filter; efficiency 99,995% MPPS CEN EN 1822 Exhaust low pressure drop certified HEPA H14/ULPA filter; efficiency 99,995% MPPS CEN EN 1822		
Gloves and Sleeves		300 mm Polypropilene supporting ring for the sleeves with O-Ring system for the gloves. Neoprene gloves and sleeves.		

ChemFAST line New Safety Generation

The purpose of all the indications given on the brochure is to supply general information and not guidelines for the choice of the correct protection device.

Environmental, installation and application factors, such as handling methods, product concentrations and dilutions, might affect the performance of the instruments making them not safe. The choice of a specific collective protection instrument, filters, complementary options, extra individual protection devices depend greatly on a careful risk assessment which must be carried out by capable and qualified staff.

	Low heat load	High heat load	Organic solvents	Flamable Substances	Weak acid and diluted inorganic acids	Concentrated inorganic acids (Room Temperature)	Concentrated inorganic acids (High Temperature)	Cytotoxic Substances
Premium	👍	👍	👍	👍	👍	👍	👎	🧤
Sharp	👍	👍	👍	👍	👍	👍	🧤	👎
Classic	👍	👍	👍	👍	👍	👍	🧤	👎
Custom	👍	👍	👍	👍	👍	👍	👎	👎
Distillation	👍	👍	👍	🧤	👍	👍	👎	👎
Elite/Top	👍	👎	🧤	🧤	👍	👍	👎	👎
Spot/Analytcs	👍	👎	🧤	🧤	👍	👍	👎	👎
CytoFAST Elite	👍	👎	🧤	👎	🧤	🧤	👎	👍
GloveFAST Cyto Pharma	👍	👎	🧤	👎	🧤	🧤	👎	👍



Suitable



Suitable for occasional use and/or with dedicated accessories and/or with personal protective devices



Not suitable

ChemFAST line Operator Exposure Level

The OEL (Operator Exposure Level) is the maximum limit of acceptable concentration in the air inside the laboratory referred to a specific material or class of material. The estimated exposure time parameter is 8 hours (8 TWA hours) and 15 minutes or a short exposure - STEL limit. Once the limits for a specific chemical product have been determined, a collective/individual protection instrument can be selected. Indications given on the brochure are not suggesting criteria for the choice of the correct device, which in fact should be the result of a careful analysis of the risks prepared by capable personnel.

	FLUID				
	5 - 50 ppm	0,5 - 5 ppm	0,05 - 0,5 ppm	≤ 0,5 ppm	
	POWDER				
	> 100 µg/m ³	< 100 - ≥ 10 µg/m ³	< 10 - ≥ 1 µg/m ³	< 1 - ≥ 0,1 µg/m ³	< 0,1 - ≥ 0,02 µg/m ³
Premium	👍	👍	🧤	👎	👎
Sharp	👍	👍	🧤	👎	👎
Classic	👍	👍	🧤	👎	👎
Custom	👍	🧤	🧤	👎	👎
Distillation	👍	👍	🧤	👎	👎
Elite/Top	👍	🧤	👎	👎	👎
Spot/Analytcs	👍	🧤	👎	👎	👎
CytoFAST Elite	👍	👍	👍	🧤	🧤
GloveFAST Cyto Pharma	👍	👍	👍	👍	👍



Suitable



Suitable for occasional use and/or with dedicated accessories and/or with personal protective devices



Not suitable

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