



Our chemical fume hoods

CARLO ERBA Reagents



CARLO ERBA
REAGENTS

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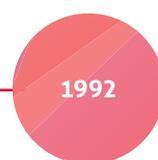
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Dr. Carlo Erba establishes the first production laboratory, thus setting a milestone in Italian industrial pharmaceutical history.



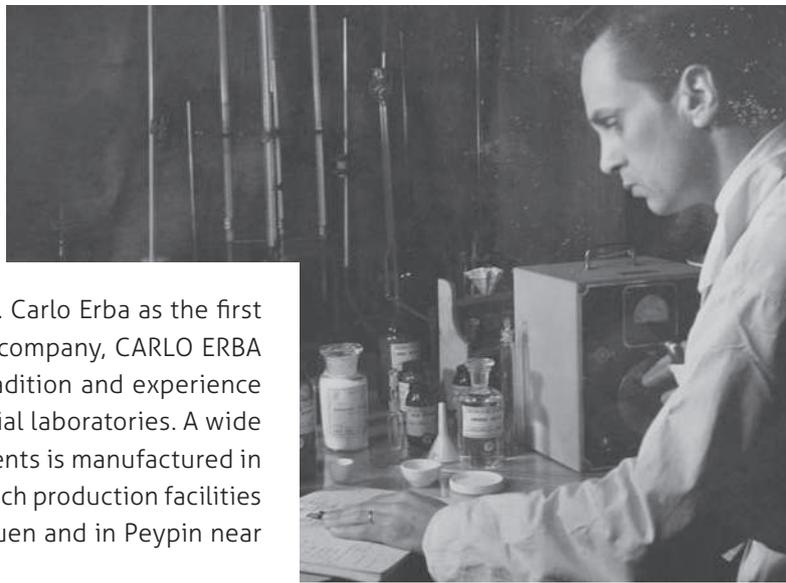
With the publication of the first catalog, consisting of a comprehensive range of chemicals and reagents for the analytical laboratory, CARLO ERBA becomes the market leader in Italy.



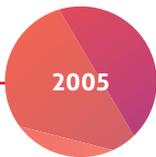
Construction of the first production facility in Val de Reuil, France. At this site, solvents are initially produced mainly for the French market.

CARLO ERBA Reagents

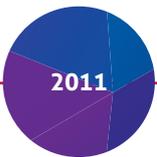
Looking back on a success story of more than 160 years, CARLO ERBA Reagents, with locations in Italy, France, Germany and Spain, is your specialist and partner for laboratory and pharmaceutical technology, chemicals, consumables and laboratory equipment as well as services. Being part of the Italian holding company of the DASIT Group, CARLO ERBA Reagents GmbH is a member of a strong group. As a reliable partner for complete solutions around the laboratory, CARLO ERBA Reagents GmbH not only has many years of experience, but also a huge product range, which is manufactured in its own production facilities in Italy and France.



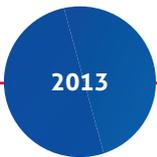
Founded in 1853 by Dr. Carlo Erba as the first Italian pharmaceutical company, CARLO ERBA Reagents has a long tradition and experience in research and industrial laboratories. A wide range of chemical reagents is manufactured in the company's own French production facilities in Val de Reuil near Rouen and in Peypin near Marseille.



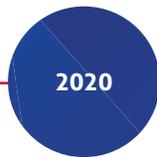
The SdS company in Peypin, France is bought out. The new French company Carlo Erba Réactifs-SdS with two production sites in Val de Reuil and Peypin is created.



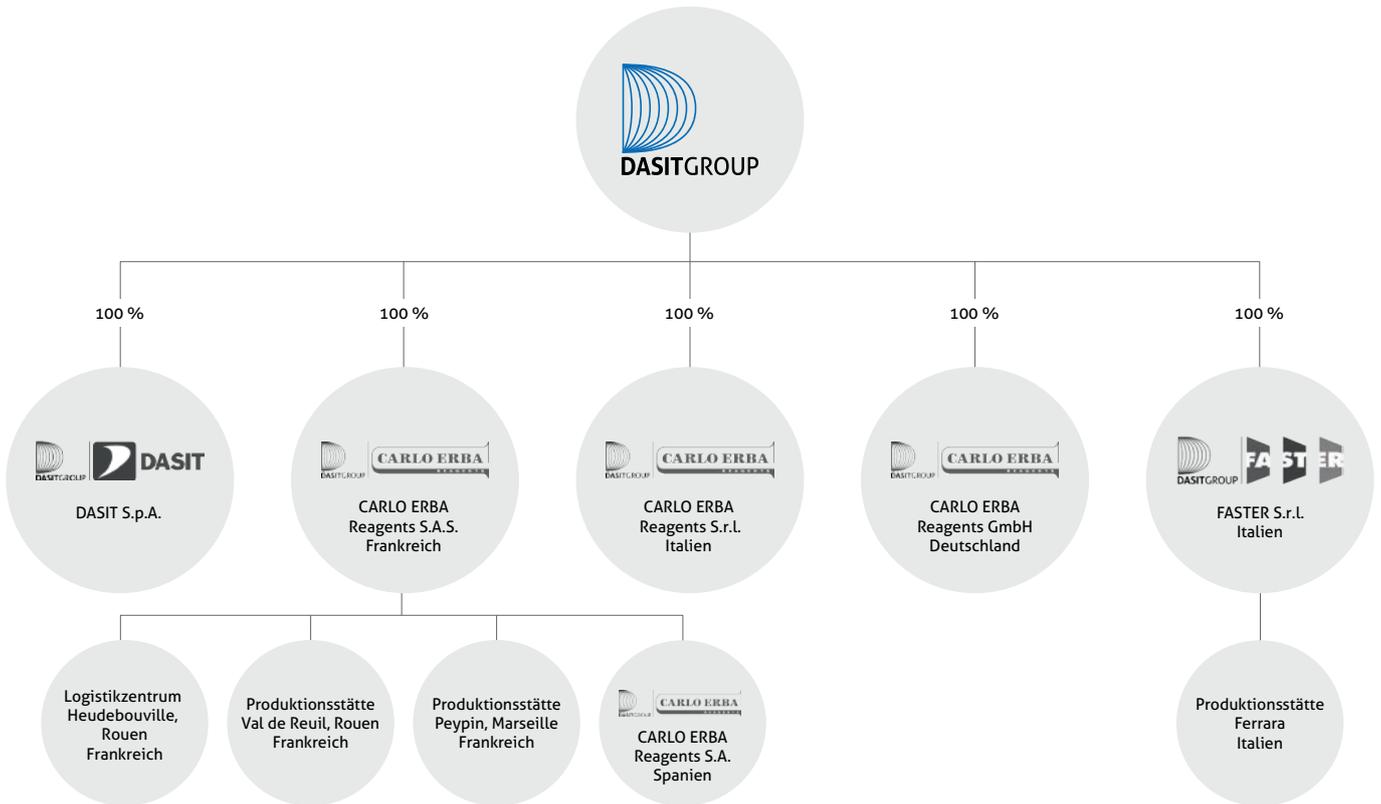
CARLO ERBA Reagents is founded. The production in Italy is transferred to France; the production and warehouse in Val de Reuil is enlarged.



CARLO ERBA Reagents is integrated into the DASIT Group. The DASIT Group was founded in 1994 and consists of several well-known companies including the laboratory equipment manufacturer FASTER S.r.l.



ENVAIR Deutschland GmbH is bought out – the new German company CARLO ERBA Reagents GmbH is established. The existing product portfolio of laboratory equipment is retained and expanded to include chemicals. A new logistics center is opened in Heudebouville, France.



DASIT Group

The DASIT Group, based in Cornaredo (Milan), unites numerous companies within one organization. With its own production and distribution facilities, as well as worldwide partners, the DASIT Group is represented globally. The product portfolio ranges from in-vitro diagnostics to chemicals and laboratory equipment.



Protection, safety, reliability.
And more.

FASTER S.r.l.

Since 1984 FASTER S.r.l. has been a unique and reliable manufacturer of a wide range of laboratory and industrial equipment, based in Italy. The long experience and technical know-how, in combination with the related market knowledge of CARLO ERBA Reagents GmbH, allow us to meet customer

needs individually. Your requirements in the fields of microbiology, chemistry, pharmacy, biotechnology, diagnostics, veterinary medicine and industry are carried out by us with experience, protection, safety and passion.

You can count on it:

OVER
40,000

installations around the world since 1984

OVER
75

countries around the world are served by local sales partners

OVER
30

different models available

September 1984

Foundation of the company FASTER S.r.l. in Ferrara Italy. Production of the first microbiological safety cabinet.

July 1992

Production of the first cytostatics safety cabinet and the first recirculating air fume hood.

January 2009

Production of the first isolator for the pharmaceutical industry.

October 2018

Over 40,000 installation worldwide.

September 2019

Opening of the new FASTER production hall with over 10,000 m² with its own metal processing and powder coating plant.

January 1988

The first microbiological safety cabinet was certified by TÜV and LNE.

January 2004

The DASIT Group was founded to unite the growing number of companies under one roof: DASIT (In Vitro Diagnostics) and FASTER.

July 2017

Re-design of fume hoods and first production of laboratory furniture.

January 2019

FASTER delivers worldwide on all 5 continents to 75 different countries.

FUME HOODS

FASTER has a technologically advanced range of fume hoods that protect users from all hazards when using chemicals. When selecting the suitable fume hood and the associated filters, we proceed in a customer-oriented manner according to the respective area of application and the spatial conditions.

Our fume hoods are used in a wide range of applications, such as chemical, biological and medical research, pharmaceutical industry, biotechnology, food as well as electronics industry.

Our customers can choose from four variants:

- **ChemFAST Elite:** Our flexible laboratory fume hood can be optionally used in recirculation mode or connected to the exhaust air system. This is particularly suitable for work with low or medium quantities of chemicals. In addition to the main filter, this fume hood also offers the option of a second filter stage.
- **ChemFAST Premium:** Our fume hood with unique hybrid technology. Integrated filters allow the air to be filtered in the fume hood itself and then returned to the usable space for reuse. Thus, the extraction system is loaded with only 198 m³/h, which results in massive energy savings in the long term and eliminates the need for central filtration.
- **ChemFAST Sharp:** Due to the automatic control of the draft air velocity - and thus of the air flow volume - depending on the opening height of the front pane, this laboratory fume hood is characterized in particular by low energy consumption.
- **ChemFAST Classic:** Our classical laboratory fume hood is suitable for conventional laboratories with an exhaust air system and works with a constant air flow.



ChemFAST Elite



ChemFAST Premium



ChemFAST Sharp



ChemFAST Classic

All fume hoods are equipped with a microprocessor-controlled system that provides information on the type and code number of the filters used, installation date and maximum filter runtime with a warning for a necessary change. To protect the main filter, each fume hood has a disposable pre-filter with a dust collection efficiency of 75 to 85 % (ASHRAE).

Product features

Fume hoods from FASTER are always equipped with the latest technologies and further developed, providing benefits to our customers. You can profit from this as well:



ergo-
nomic



cost-
efficient



energy
saving



individually
equipped



The FASTER production hall in Ferrara (Italy) with over 10,000 m² and its own metal processing and powder coating plant. On the roof, a photovoltaic system with an output of 300 MW ensures sustainable power supply in the production hall.

Certificates

All fume hoods are designed and manufactured to meet the requirements of European Standard 14175.

Furthermore, our fume hoods are subjected to a risk analysis to prove their functionality – by Tintschl AG.

Efficient

In addition to the high-quality selection of materials, we also count the low energy consumption as part of the sustainable design of our fume hoods. With a consumption of <88 watts per hour and an average annual CO₂ emission of <165 kg our mobile fume hood also delivers top values in this area, which is very important for the environment.



FILTER TYPES

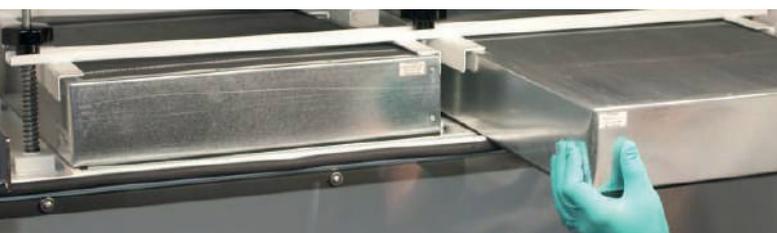
You have the choice

Our fume hoods have been designed to meet the necessary safety requirements, which are mandatory for both the user and the environment. All filters used are made of high quality coconut shell or hard coal. The unique amorphous structure and high absorption efficiency of coconut shell activated carbon is achieved through controlled heat oxidation.

Depending on the area of application, we will be happy to advise you personally on the selection of the right filter for you.

A/C filter (Activated carbon)

Activated carbon filters are the most common filters and are mainly used to remove solvent vapors. The material is activated carbon, based on the shells of the coconut with a mesh size of 4 x 8 USS and a filter surface of up to 1050 m²/g. Depending on the filter size used, the amount of activated carbon varies from 13 to 28 kg. Main uses: organic odors, hydrocarbons, aromatic solvents, animal odors, excrements, urine, acidic odors, cadaver disposal, decomposition. Other uses: nitrogen oxides.



ACR filter (Iodine)

Activated carbon impregnated with potassium iodide made of high quality hard coal to filter radioactive gases, especially gases containing iodine-131. It is mainly used for iodination reactions with low-grade radioactive iodine; an efficiency of more than 99.99 % has been measured. Main application: radioactive iodine. Other uses: hydrocarbons.

AM filter (Ammonia)

Acid-impregnated activated carbon made of high-quality hard coal, capable of filtering ammonia and organic amino compounds from exhaust air. Main use: ammonia and its derivatives. Other uses: organic emissions, hydrocarbons, aromatic solvents, alkaline odors, excrements, urine, animal odors.

CYAN filter (Hydrogen cyanide)

Activated carbon from coconut shells impregnated with chemical additives, filtering out the compounds mentioned in EN 14387:2004. Chromium-free. Main use: hydrocyanic acid. Other uses: organic emissions, hydrocarbons, aromatic solvents.

FORM filter (Formaldehyde)

The activated carbon used in the filter, made of high-quality hard coal, is impregnated with an oxidizing agent that breaks down formaldehyde into formal salts. Mainly used in hospital pathology and cytology laboratories. Main use: formaldehyde. Other uses: organic emissions, hydrocarbons, aromatic solvents, acid gases.

HEPA filter

High Efficiency Particulate Air Filter: Meanwhile, we install at least HEPA H14 filters for our fume hoods. Filters of this particle filter class are used to filter out viruses, respirable dusts, mite eggs and excretions, pollen, smoke particles, asbestos, bacteria, various toxic dusts and aerosols from the air.

MER filter (Mercury)

Activated carbon impregnated with sulfur from high quality hard coal to remove mercury from various gases and bind them as mercury sulphides. For example, elemental mercury, organic mercury compounds, geothermal gases and hydrogen production. Main use: mercury vapors. Other uses: organic emissions, hydrocarbons.

SULF filter (Sulfur)

Activated carbon impregnated with alkaline compounds from high quality hard coal. Main use: acid odors, decomposition, carcass disposal, acid gases, hydrogen sulfide and thioorganic compounds, sulfur dioxide, R.H. >85 %.

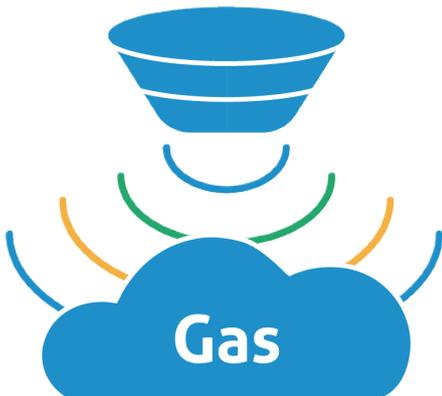
UR filter

Main use: acid odors, decomposition, carcass disposal, acid gases, hydrogen sulfide and thioorganic compounds, sulfur dioxide, nitrogen oxides. Other use: organic emissions, hydrocarbons, aromatic solvents, hydrogen cyanide, R.H. <85 %.

INNOVATION in detail

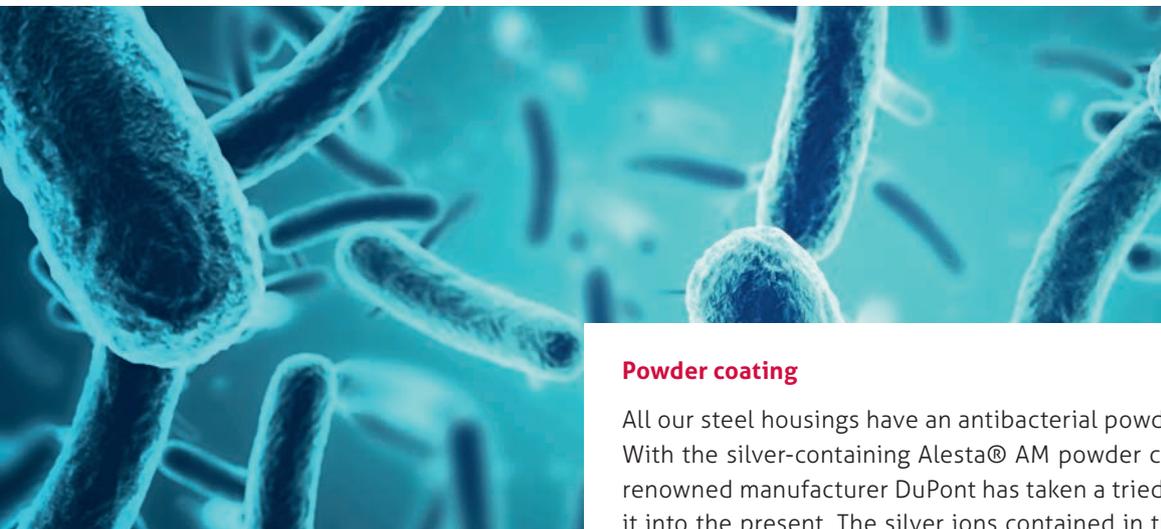
LED lighting

The LED lighting used in our fume hoods offers you many advantages: The light is dimmable and can thus be completely tailored to individual needs. The special highlight of this variety is the possible light perimeter of the working area. With a power of only 7 watts, LED lighting is also very energy efficient. This LED lighting is standard in the ChemFAST Premium, Sharp and Classic fume hoods.



Filter saturation monitoring through integrated gas detector

In our ChemFAST Elite fume hood, an FIS gas detector (SP3-AQ2) is installed in the outlet of the exhaust fan, which constantly checks the air quality and indicates to the user as soon as a filter change is necessary.



Powder coating

All our steel housings have an antibacterial powder coating. With the silver-containing Alestas® AM powder coating, the renowned manufacturer DuPont has taken a tried and tested idea and brought it into the present. The silver ions contained in the coating penetrate the cell membranes of germs and destroy them.



FROM RESEARCH TO PRATICE

Comfort – Technology – Safety

We focus on the user: FASTER's R&D department, in close cooperation with customers and partners, always strives to incorporate the latest technologies and occupational health insights into the development of its equipment.



Ergonomics at a new level

The ergonomic U-design of our base frame offers maximum leg-room. This enables the most relaxed work on the ChemFAST Elite and thus increases productivity.

In detail:

- Sitting or standing workstation
- Electrically adjustable
- Completely accessible



Audible and visual alarms for

- Power failure
- Fan maximum power
- Laminar flow out of bandwidth
- Incorrect laminar flow velocity and
- Inflow velocity at the front
- Incorrect position of the front screen
- Degree of contamination of the HEPA filters
- End of UV lamp life cycle (if present)
- Blockage in the exhaust air connection
- Malfunction of the blower motor

User-friendly control panel

The operation via the control panel is clear and simple. The user-friendly design with easy-to-operate buttons continuously show the user all the required data. A status report of the fume hood can be downloaded at any time.

In detail:

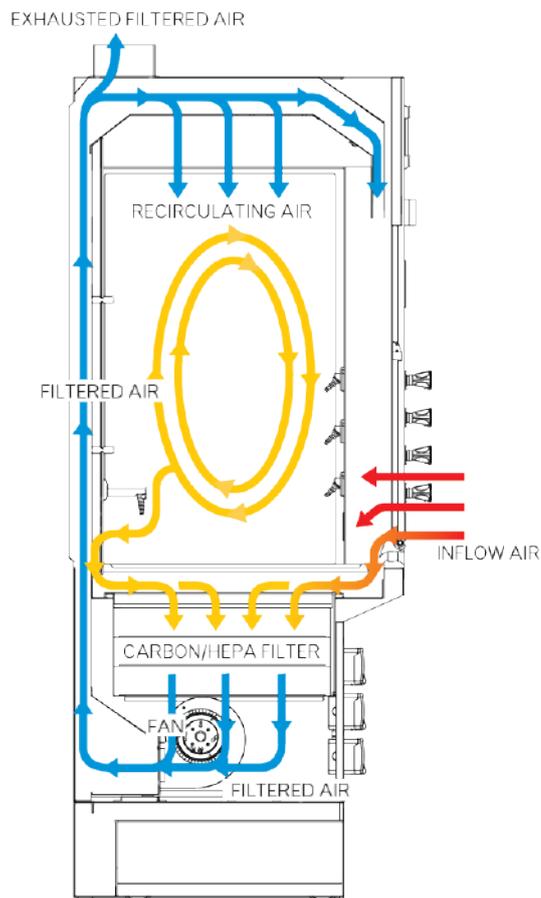
- Display of the inflow speed on the front
- Display of the inside and outside temperature
- Display of remaining filter runtime
- Display of total operating hours
- Display of the filter contamination level
- Display of the exhaust air volume when connected to the exhaust air system

All functions and safety alarm systems are monitored completely and fully automatically in accordance with the EN14175 standard. A high-performance lithium battery ensures the storage of the safety data in the microprocessor.



Base and safety cabinet

You can equip your fume hood with a base cabinet or safety cabinet for the storage of any type of work equipment (does not apply to ChemFAST Premium fume hoods).



Airflow

With our ChemFAST Sharp and Premium models, we offer two fume cupboards that can conserve the capacity of your exhaust air system and massively reduce your energy costs thanks to their modern technology in airflow control.

Our ChemFAST Premium model is a hybrid with a Constant Airflow Volume (CAV) and recirculation. By installing up to three types of filters under the worktop, the exhaust air is already filtered in the unit and can be reused in recirculation. As a result, the ChemFAST Premium requires only approx. 25 % of the exhaust air volume of a normal fume hood. Thus, exhaust air volume capacity of the exhaust air system can be conserved and energy costs can be reduced.

Our ChemFAST Sharp model with variable airflow volume (VAV) operates with automated draft control depending on the degree of opening of the front pane. Both exhaust and supply air velocities are controlled in the ventilation system. This saves 40 % of energy costs compared with our Classic model. In addition, noise emissions are significantly reduced.

EQUIPMENT VARIANTS & ACCESSORIES

Our fume hoods have high standards. The basic equipment varies for the different models. In addition, you can individually select what you need from our optional accessories.

Filtration stage by filter housing

Our ChemFAST Elite recirculation fume hood can be equipped with a second type of filter by installing another filter housing. There are 8 filters to choose from. The filter housing can also be optionally equipped with an exhaust air spigot in order to connect the fume hood to an exhaust air system.



Internal Rack

For the ChemFAST Premium, Sharp and Classic fume hoods, internal racks can optionally be installed on the rear wall for mounting reaction apparatus without stands. At the same time, these help with the routing of hoses for supplying the cooling apparatus with water.



Sink

On request, we can equip our fume hoods with a sink with associated water connection to enable work using water cooling as well as simple methods of extraction or vacuum generation.



Work surface

Our fume hoods are equipped with a continuous work surface as standard. There are different versions depending on the unit.

- | | |
|-------------------|----------------------------|
| Elite: | Premium Sharp Classic: |
| ▪ PVC | ▪ Ceramic |
| ▪ Stainless steel | ▪ Stainless steel |

Auf Wunsch auch andere Oberflächenmaterialien möglich



Internal and external sockets

In addition to the external sockets, it is possible to equip the interior with sockets that simplify the placement of devices in the work area.

- IP 66 sockets according to DIN EN 60529 (VDE 0470)



Working with archive material

The special version of the ChemFAST Elite was especially designed for working with archival materials, for example in archives, museums and during restoration. Particularly in this working environment, there are risks to the user from various contaminants. The fume hood in this special equipment offers the highest level of personal protection, as hazardous substances are immediately extracted from the air via a ventilation system with a suitable filter. The stainless steel work surface is durable, easy to clean and is equipped with a dirt collection channel in the rear area to sweep accumulated dirt directly into it.

- Maximum protection against fungal and mold spores, dusts, vapors and other hazardous substances
- Durable and easy-to-clean stainless steel work surface
- Integrated dirt collection channel
- G4 pre-filter to protect the main filter



Cleaning tool

The Easy Clean cleaning tool is ideal for cleaning and disinfecting fume hoods and other laboratory equipment.

- Ideal for places that are difficult to access
- Autoclavable at 121 °C
- Completely made of Stainless steel 1.4404
- Easily changeable covers (in sterile or non-sterile version)
- Suitable for cleanroom class A



Media connections

Different gaseous and liquid media are available for selection. These are ergonomic and can be integrated in the side or rear wall.

- Nitrogen
- Carbon dioxide, CO₂
- Flammable gases
- Non-flammable gases
- Process water
- Compressed air
- Demineralized water
- Ultrapure water



Availability

Equipment variants/accessories	Elite	Premium	Sharp	Classic
Exhaust air spigot	●	●	●	●
Filterhousing	●	●	●	●
Internal Rack	●	●	●	●
Sink	●	●	●	●
Work surface	●	●	●	●
Internal and external sockets	●	●	●	●
Working with archive material	●	●	●	●
Cleaning tool	●	●	●	●
Media connections	●	●	●	●

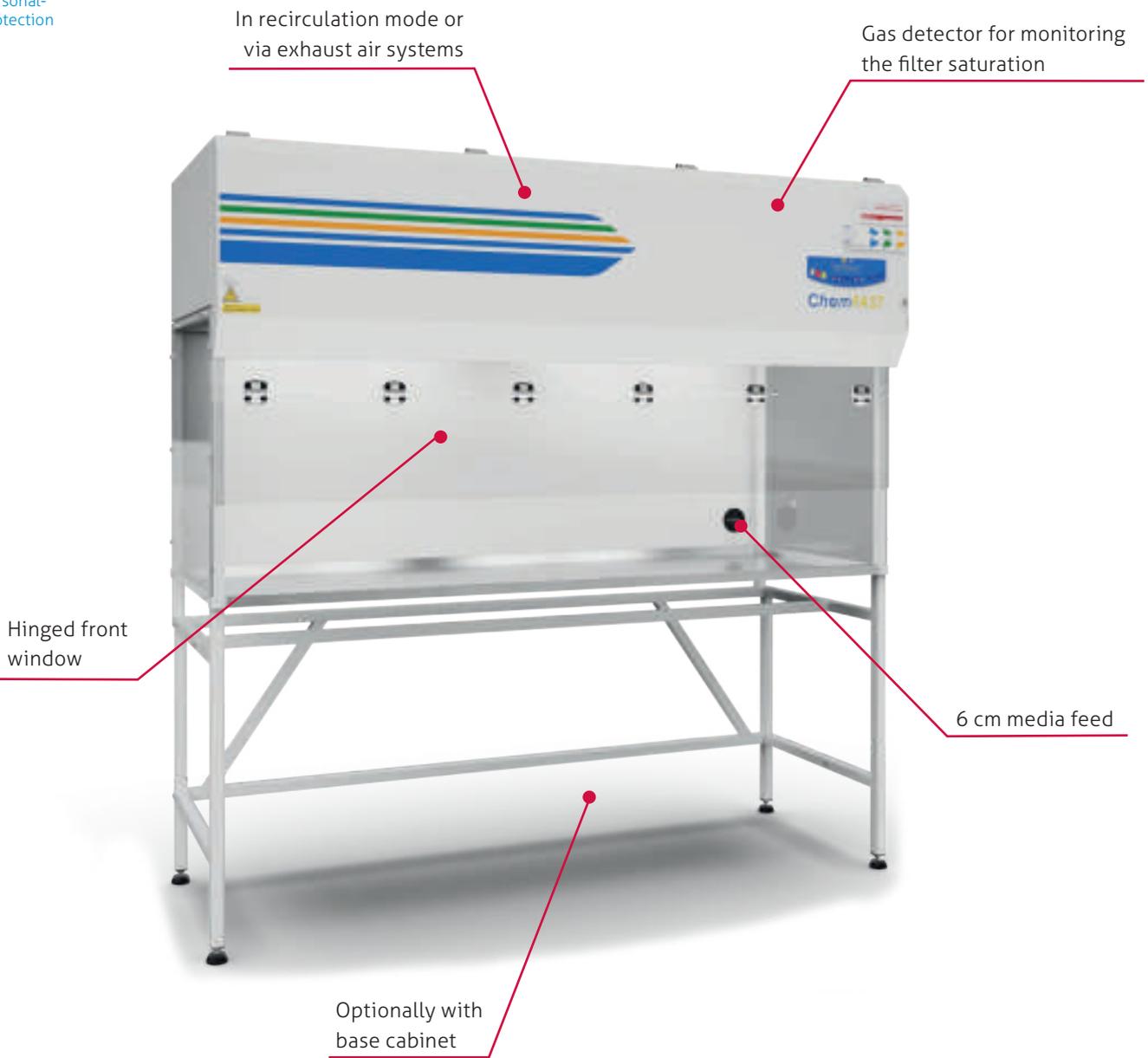
● available ● not available

ChemFAST Elite

Mobile recirculation fume hood



 Personal-protection



Technical specifications

FASTER fume hoods

According DIN EN ISO 14175-3

FASTER ChemFAST Elite

Description	Unit	0.6 m	0.9 m	1.2 m	1.5 m	1.8 m
Type		CAV				
General dimensions W×H×D	mm	595×1120×760	885×1120×760	1185×1120×760	1500×1120×760	1800×1120×760
Usable dimensions W×H×D	mm	553×660×600	823×660×600	1123×660×600	1438×660×600	1738×660×600
Work surface		PVC*	PVC*	PVC*	Stainless steel	Stainless steel
Unit height with base frame (standard)	mm	1920				
Working height (seated workstation)	mm	810				
Working opening	mm	200				
Max. front opening	mm	455				
Weight	kg	70	85	100	120	135
Exhaust air	m ³ /h	300	400	600	700	800
Prefilter (particulate)		1	2	2	3	4
Inflow	m/s	>0.6				
Noise level	dB(A)	45	47	47	49	49
Light intensity	lux	>1000				
Electrical connection		1 Ph+E - 230 V 50 Hz, cable length 2.5 m (Schuko plug)				
Power consumption	W	88	122	207	210	279
Protection class/IP		1/20				
Internal fuse protection	A	4				
Sockets		●	●	●	●	●
Filter types		Selection of filter types for the main filter. Two filters can be combined in a second filtration stage. <ul style="list-style-type: none"> ■ AC filter ■ ACR filter ■ AM filter ■ CYAN filter ■ FORM filter ■ HEPA filter ■ MER filter ■ SULF filter ■ UR filter 				
Exhaust port diameter	mm	200				
Base		●	●	●	●	●
Display		Multifunction display with PLC control				
Gas detector		●	●	●	●	●

*Optional available in stainless steel

● Standard ● Optional

ChemFAST Premium

Fume hood with hybrid technology



Personal protection



Environmental protection



Technical specifications

FASTER fume hoods

According to DIN EN ISO 14175

FASTER ChemFAST Premium

Description	Unit	1.2 m	1.5 m	1.8 m
Type		Hybrid (Constant Air Flow with Recirculation)		
General dimensions W×H×D ⁽¹⁾	mm	1200×2350×960	1500×2350×960	1800×2350×960
Usable dimensions W×H×D	mm	1180×1200×750	1480×1200×750	1780×1200×750
Worktop ceramic/ Polypropylene W×D	⁽²⁾ mm	900×700	1200×700	1500×700
Unit height with max. front opening	mm		2600	
Working height (seated workstation)	mm		900	
Max. working opening	mm		500	
Max. front opening	mm		730	
Weight (fume hood)	⁽³⁾ kg	278	322	358
Inflow	⁽⁴⁾ m/s		0,12	
Exhaust air with open/ closed front sash	⁽⁵⁾ m ³ /h	198	270	338
Dynamic internal air barrier inflow/downflow	m/s	1.40	1.55	1.55
Prefilter (particulate)		2x G3	3x G3	4x G3
Light intensity	lux		>800	
Electrical connection			230V AC 2P+T, 50 Hz	
Power consumption	W	200	250	300
Protection class/IP			IP 66	
Internal fuse protection	A		10	
Sockets		●	●	●
Filter		2x3	3x3	4x3
Filter types		Selection of three types of filters. <ul style="list-style-type: none"> ■ AC filter ■ ACR filter ■ AM filter ■ CYAN filter ■ FORM filter ■ HEPA filter ■ MER filter ■ SULF filter ■ UR filter 		
Exhaust air spigot diameter			160	
Base			Drawers	
Display			Touch Display	
Front sash			Manual	

(1) Measured at 500 mm working opening

(2) Ceramic: standard; polypropylene: for hydrofluoric acid

(3) Weight of fume cupboard excl. filter; standard weight of activated carbon filter: 8.1 kg ± 3 %

(4) Adjustment at start-up

(5) Measured at 500 mm working opening or closed sash & inflow of 0.12 m/s

● Optional

ChemFAST Sharp

Fume hood with variable exhaust air



 Personal protection



Technical specifications

FASTER fume hoods

According to DIN EN ISO 14175

FASTER ChemFAST Sharp

Description	Unit	1.2 m	1.5 m	1.8 m	2.1 m	2.4 m
Type		VAV				
General dimensions W×H×D ⁽¹⁾	mm	1200×2350×960	1500×2350×960	1800×2350×960	2100×2350×960	2400×2350×960
Usable dimensions W×H×D	mm	1180×1200×750	1480×1200×750	1780×1200×750	2080×1200×750	2380×1200×750
Worktop ceramic/ Polypropylene W×D	⁽²⁾ mm	900×700	1200×700	1500×700	1800×700	2100×700
Unit height with max. front opening	mm	2600				
Working height (seated workstation)	mm	900				
Max. working opening	mm	500				
Max. front opening	mm	730				
Weight (fume hood)	⁽³⁾ kg	240	275	310	340	370
Inflow	⁽⁴⁾ m/s	0.5 to 0.7 (automatic regulation)				
Exhaust air with sash open	⁽⁵⁾ m ³ /h	815	1085	1355	1625	1890
Exhaust air with closed sash	⁽⁶⁾ m ³ /h	50	65	80	97	115
Light intensity	lux	>800				
Electrical connection		230V AC 2P+T, 50 Hz				
Power consumption	W	150	150	200	200	350
Protection class/IP		IP 66				
Internal fuse protection	A	10				
Sockets		●	●	●	●	●
Filter supplement		Possibility of inserting an external filter box to supplement additional filters if no exhaust air system is available				
Exhaust air spigot diameter		250	250	250	250	315
Base		●	●	●	●	●
Display		Multifunction display with PLC control				
Front sash		Manual with electric air flow rate control				

- (1) Measured at 500 mm working opening
 (2) Ceramic: standard; polypropylene: for hydrofluoric acid
 (3) Fume hood weight excl. optional filters
 (4) Adjustment at start-up
 (5) Measured at 500 mm working opening
 (6) Measured with sash closed

● Optional

ChemFAST Classic

Fume hood with constant exhaust air



Personal protection



Technical specifications

FASTER fume hoods

According to DIN EN ISO 14175

FASTER ChemFAST Classic

Description	Unit	1.2 m	1.5 m	1.8 m	2.1 m	2.4 m
Type		CAV				
General dimensions W×H×D ⁽¹⁾	mm	1200×2350×960	1500×2350×960	1800×2350×960	2100×2350×960	2400×2350×960
Usable dimensions W×H×D	mm	1180×1200×750	1480×1200×750	1780×1200×750	2080×1200×750	2380×1200×750
Worktop ceramic/ Polypropylene W×D	⁽²⁾ mm	900×700	1200×700	1500×700	1800×700	2100×700
Unit height with max. front opening	mm	2600				
Working height (seated workstation)	mm	900				
Max. working opening	mm	500				
Max. front opening	mm	730				
Weight (fume hood)	⁽³⁾ kg	240	275	310	340	370
Inflow	⁽⁴⁾ m/s	0,3/0,5/0,7				
Exhaust air with sash open	⁽⁵⁾ m ³ /h	490/815/1140	650/1085/1520	810/1355/1900	975/1625/2275	1135/1895/2645
Exhaust air with closed sash	⁽⁶⁾ m ³ /h	490/815/1140	650/1085/1520	810/1355/1900	975/1625/2275	1135/1895/2645
Light intensity	lux	>800				
Electrical connection		230V AC 2P+T, 50 Hz				
Power consumption	W	150	150	200	200	350
Protection class/IP		IP 66				
Internal fuse protection	A	10				
Sockets		●	●	●	●	●
Filter supplement		Possibility of inserting an external filter box to supplement additional filters if no exhaust air system is available				
Exhaust air spigot diameter	mm	250	250	250	250	315
Base		●	●	●	●	●
Display		Multifunction display with PLC control				
Front sash		Manual				

(1) Measured at 500 mm working opening

(2) Ceramic: standard; polypropylene: for hydrofluoric acid

(3) Weight of fume cupboard excl. optional filters

(4) Setting at start-up (0.3/0.5/0.7 m/s)

(5) Measured at 500 mm working opening & inflow of 0.3/0.5/0.7 m/s

(6) Measured with closed sash & an inflow of 0.3/0.5/0.7 m/s

● Optional

LABORATORY FURNITURE

Modular, safe and ergonomic



All laboratory workstations are made of stainless steel and are maximum fire resistant according to class A1. Invisible screws and robust, smooth structures allow easy and hygienic cleaning.



Let us plan your laboratory together

FORLAB *4you*

The FORLAB4you range of laboratory furniture allows you to combine safety, productivity and comfort at your workplace thanks to its practical modular principle.

We will support you at every step of your laboratory project - from the idea to the planning and installation according to your individual requirements.

CHEMICALS

Your specialist for over 160 years

CARLO ERBA Reagents has a tradition and experience of more than 160 years in the field of industrial and laboratory chemicals. A wide range of chemical reagents is manufactured in our own production facilities in Val de Reuil and Peypin. Through flexible production facilities, modern quality control laboratories and efficient logistics, we offer our customers consistent quality and service. Whether chemicals from A to Z for your laboratory, measuring solutions, indicators, buffers or products for microbiology: With us you get the best product for your individual application!



Our quality standards

For industry and laboratories

Quality standards

RE Technical Grade Reagents

Solvents, alcohols, acids, bases, salts, detergents

RPE Analytical Grade Reagents

For analytical processes according to ACS, ISO, some pharmacopoeias, all products RE & indicators, buffers, adjusted solutions

RS Specific Grade Reagents

Customized reagents for the most demanding techniques & instruments (ATRASOL[®], PESTIPUR[®], HPLC, UHPLC-MS, SPECTROSOL[®])

ERBapharm[®] Grade acc. Pharmacopeia

Reagents and solutions according to the main pharmacopoeias (Ph.Eur.-USP-FU) or, in their absence, narrowly defined sales specifications

Xcipharm[™] Grade acc. Pharmacopeia

Exclusively pharmaceutical excipients, according to the most important pharmacopoeias

TAILOR MADE SERVICE

PRODUCTS

Application specific purity

Depending on customer-specific requirements, we can adjust the purity of your products.

Your advantages

- Batch reservation
- Distillation
- Purification

Safety Stocks

With our service to store your batch with us, you avoid a larger stock at your site.

PRODUCTION

Mixtures

We can produce for you any type of solutions and compositions in a scale from 2.5 l to several tons. This service means time savings for you, minimization of risks in the production of solutions and documentation in accordance with the current legislation.

- Specific mixtures of solvents (organic or water-based)
- Buffered, acidified phases
- Reagents for biotechnology
- Solutions for titration
- Reagents for TOC analyzers
- Standards for AAS, ICP, ICP-MS (mono- or multi-elements)

QUALITY

Quality assurance

Our quality control is based on risk management of technical systems and production sites, qualification of equipment, process controls, cleaning procedures and analytical methods. Independent of production, our quality control manages traceability documentation, change control and periodic monitoring.

Specific QC testing

With the extensive know-how of our quality control team, not only the generally required tests for your product can be fulfilled, but also the requirement of your own test laboratory.

PACKAGING

Individual packaging

Flexibility means for us: chemicals are produced on a regular basis or on customer request, then packed in the container of your choice and checked according to the requirements of our quality system.

- Bottles, drums, buckets, reusable containers made of PP, glass, stainless steel, metal, from a few milliliters to several tons
- Inorganic or organic products, liquid or solid
- Customized labeling, weighed and portioned

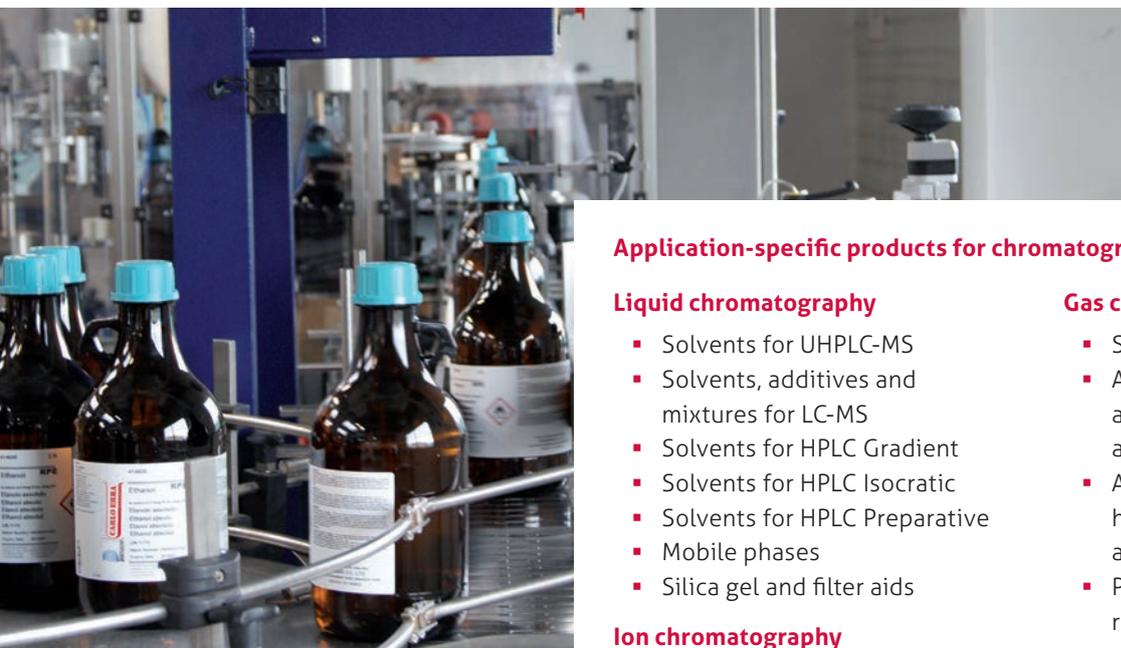
Shuttle Service

Reusable stainless steel containers to optimize solvent quality and avoid packaging waste.

Delivery in tanks

Solutions in large quantities can be delivered in IBC and tanks from 500 to 30,000 l.

MUST-HAVES FOR YOUR LAB



Application-specific products for chromatography

Liquid chromatography

- Solvents for UHPLC-MS
- Solvents, additives and mixtures for LC-MS
- Solvents for HPLC Gradient
- Solvents for HPLC Isocratic
- Solvents for HPLC Preparative
- Mobile phases
- Silica gel and filter aids

Gas chromatography

- Solvents for GC-HEADSPACE
- ATRASOL® solvents for trace analysis in organic compounds and hydrocarbons
- ATRASOL® solvents for hydrocarbon index determination according to EN ISO 9377-2
- PESTIPUR® solvent for pesticide residue analysis

Ion chromatography

- Concentrated mobile phase
- Standard solutions

Other areas of application

Environmental pollutant analysis: Trace elements

- Acids for trace metal analysis
- Standard solutions for AAS
- Standard solutions for ICP-OES
- Standard solutions for ICP-MS

Environmental pollutant analysis: organic mixtures

- Pesticide Standards
- PCBs Standards
- PAHs Standards
- ISO 9377-2 Standard Solutions

Volumetry

- Solutions for volumetry - ready for use
- NORMEX, concentrated volumetric solutions

pH-Metry

- Buffer solutions – ready for use

Sample preparation

- Reagents for COD analysis
- Acids and reagents with low mercury content
- Acids and bases for analytics
- Solutions for analytics
- Salts for analysis
- Filter aids

Indicators

- For pH metrology
- For fluorescence, redox, precipitation and complexometry

Karl Fischer

- ERBAqua® One- and Two-Component Reagents
- ERBAqua® Water Standards

CONSUMABLES & LABORATORY EQUIPMENT

As a shareholder of the Lab Logistics Group, CARLO ERBA Reagents benefits from the large LLG product range and can thus offer you more than 100,000 articles in the field of consumables and laboratory equipment. More than 500 suppliers ensure a reliable supply, from analytical measurement to chromatography and vacuum technology. This means that the right article is available for every area of work.



LLG – Lab Logistics Group

LLG operates a central warehouse with 12,500 m² of space for the whole of Europe. Strategically located in the middle of the European economic center in Meckenheim, we supply our customers directly and quickly.

- Tested quality for high demands
- Professional assortment
- Fast delivery – unbeatable prices
- Over 100,000 products listed



LLG-Labware

LLG-Labware, the exclusive brand of LLG enables us to offer high quality materials at reasonable prices.

Product categories:

- General laboratory supplies
- Industrial safety
- Analytical measuring and testing
- Stirring, shaking, mixing
- Sample preparation
- Distillation, separation, filtration
- Refrigeration and heating
- Liquid Handling
- Vacuum technology and drying
- Optical instruments and microscopy
- Cleaning and Sterilization
- Environmental and food analysis
- Life Science
- Chromatography
- Clean room



SERVICE

Always on the safe side

When working in laboratories and cleanrooms, precision, safety and reliability have top priority. Our customers need an experienced and competent partner who is committed to these values and is on hand with advice and support. Our service package for the entire CARLO ERBA Reagents product range includes:



Round-the-clock service: Personal and at any time

Our TÜV-certified service technicians are available to you around the clock. Contact our free 24-hour hotline, or ask directly for a service employee on site.



Chemicals

All chemicals are supplied with a Certificate of Analysis and a Material Safety Data Sheet. Your individual needs can be served by our Tailor Made Service.



Customer service

Through our nationwide field service staff and cooperation with dealers, we are always quickly and personally on site with you.



Leasing instead of buying or financing

Have you ever thought about leasing? We offer attractive and uncomplicated leasing models for safety cabinets, isolators and other laboratory equipment. Ask about our offers!



Requalification

Our service technicians are highly qualified and trained directly at our factory as well as regularly certified by TÜV Rheinland. The continuous training of our team is part of our quality promise.



Individual maintenance packages: For more safety

Regular maintenance of the laboratory equipment used ensures safety – with special maintenance contracts, we guarantee the checking of all functions of your equipment, including your third-party equipment.



Delivery and commissioning: Strong partners

We deliver all devices ex works. On request, they can be commissioned directly by our TÜV-certified service technicians.



Laboratory planning for clean rooms

We can assist you in setting up a GMP-compliant cleanroom complex. On request, we can draw up a basic concept or advise you on the integration of pharmaceutical and legal requirements.



All from one source

- Laboratory equipment
- Laboratory consumables
- Chemicals
- Service

Partner in your choice



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