CHEMISAFE®
SAFETY STORAGE CABINETS

Dear Customer,

We are pleased to present our new catalogue of safety cabinets for the storage of chemicals in industries, laboratories or communities.

We hope that this tool will facilitate your search and the suitable choice of our products.

CHEMISAFE products comply with the highest European standards and they guarantee you quality and safety without compromise:

• **EN14470-1 (new version 2023)** for storage cabinets of inflammable liquids

• **EN14470-2** for storage cabinets of gas cylinders

• **NFX 15-211** for chemical hoods and recirculation filtering cabinets

• **EN16121** for all our cabinet program

• **EN61010** for storage safety cabinets of chemicals

Our factory, located near Venice in Italy, has obtained **ISO 9001:2015** certification by Bureau Veritas. A continuous quality control of our production is ensured by a recognized and independent institute.

The marketing of CHEMISAFE products is ensured by a network of skilled and local partner distributors, which is always at your disposal. Our permanent technical and commercial support assesses your needs and recommends optimal solutions.

For your safety, do not risk and choose quality!

CHEMISAFE is:
• The certainty of having an experienced manufacturer with you
• The assurance of a dedicated and professional team who will give you the best advice

Yours sincerely,

CHEMISAFE

**CHEMISAFE reserves the right to make technical changes to the instruments without notice, according to the evolution of technologies and standards.
Non-contractual picture.**

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VENTILATION

EQUIPMENTS

Standard EN14470-1 (new version 2023)

FIRE-RESISTANT
CERTIFIED
90 minutes (TYPE 90)
NEW STANDARD EN 14470-1 2023

FIRE TEST

The wall of the cabinet must be positioned in the fire room at a distance of 100 mm from the wall.

The fire resistance of the cabinet must be validated by the destructive test of an identical model.

Possible reductions in the dimensions of the cabinet tested:

- Height or width max. 100 mm
- Depth max. 150 mm

The temperature increase inside the cabinet should not exceed 180 K or 200 °C. According to the time taken to reach this temperature, the cabinet will be classified as Type 30, 60 or 90 min.

These different flammability classes allow leaving sufficient time for the staff to leave the laboratory and for the firefighters to get in before the stored flammable products may cause fire.

Each CHEMISAFE cabinet model has passed the compliance control according to standard EN14470-1 (new version 2023) and it has the certificates of tests carried out by Bureau Veritas (BV).

In addition, airflow tests have been conducted.

CONSTRUCTION

The cabinet doors must close automatically in case of fire.

The side and rear walls must have the same construction and the same thickness.

On the other hand, the requirements of the standard cover the cabinet construction itself and its capacity to withstand external fire conditions (fire tests carried out according to ISO 834-1 [1] and EN 1363-1).

The tray volume must contain: at least 110 % of the volume of the largest container stored in the cabinet or 10 % of the total volume stored.

SIGNALLING

The cabinets must be equipped with suitable signals: standard pictograms complying with ISO 3864 (inflammables), maximum load per shelf, fire resistance of the model (30, 60 or 90 minutes).

QUALITY CONTROL

CHEMISAFE submitted its safety cabinet manufacturing to a continuous and extremely rigorous check by Bureau Veritas.

So twice a year, BV checks the production and verifies the quality and the manufacturing process.

The European standard EN 14470-1 (new version 2023) refers to cabinets freely positioned and to wall-mounted cabinets for the storage of inflammables.

All CHEMISAFE cabinet models have undergone a destructive test in a fire room performed in an independent accredited laboratory.

CHEMISAFE will make all the cabinet documents and certifications available
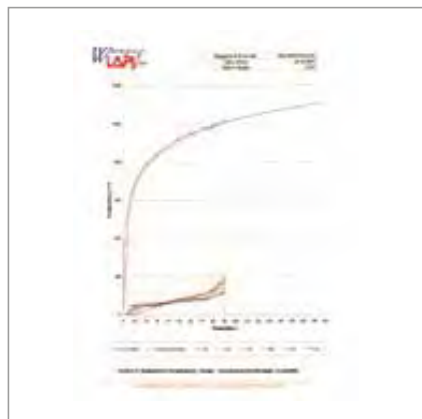
Report of fire resistance test with Temperature/Time diagram.
Contact thermocouple increase.

CHEMISAFE cabinet series FIRE MY23 BEFORE fire resistance test.

CHEMISAFE cabinet series FIRE MY23 AFTER fire resistance test.

Storage cabinets for inflammables

MAXIMUM PROTECTION FOR SAFETY FIRST!

For obvious safety reasons (fire, corrosion, intoxication…), all the high or low flammables must be handled and stored in fireproof cabinets (fire resistance of 90 minutes) certified according to standard EN14470-1 (new version 2023).

We opted for the maximum safety by offering a complete range of fire-resistant cabinets TYPE

90 minutes.

The cabinet construction, the automatic closing of the doors (present on all our models), the thermo-expanding seals and the fire dampers ensure the cabinet containment for 90 minutes and a maximum protection of the people.

WHAT DOES IT MEAN FOR THE USER

• A use according to the regulations
• A maximum use safety
• A certification documentation identifying the safety cabinet (traceability).

CHEMISAFE®
SAFETY STORAGE CABINETS

EN **14470-1 16121**

FIRE-RESISTANT
CERTIFIED
90 minutes (TYPE 90)
NEW STANDARD EN 14470-1 2023

Series FIRE MY23 Grey

Certified according to EN14470-1 (new version 2023) standard Type 90 & EN16121

CSF232BMY23

CSF239BMY23

CSF239FMY23

Easy replacement of spare parts in case of damage

📢 TECHNICAL FEATURES

- Completely made of an electrogalvanized steel plate with a thickness of 1 - 1.5 mm, cold bent - Grey RAL 7035
- External finishing made of acidproof epoxy resin and passage through a thermal tunnel a 200 °C
- Cabinet isolation through some high density rock wool panels and some calcium sulphate panels
- Internal finishing with melamine panels highly resistant to chemical and aggressive vapours
- Structure allowing replacing spare parts if necessary
- Automatic door closing when the ambient temperature exceeds 50 °C
- 30 mm thermo-expanding isolation seals which in case of temperature rise ensure a perfect cabinet sealing according to standard EN14470-1 (new version 2023)
- Air inlet and outlet with certified fire dampers closing ducts when the temperature exceeds 70 °C according to standard 4102-6
- Prearrangement for ventilation through a Ø 100 mm flange for an external connection or a filtering ventilation system (see the chapter on ventilation)

- **Closing and locking system of the doors allowing keeping the doors open** and closing them automatically in case of ambient temperature higher than 50 °C
- Spark resistant hinge ensuring a perfect door solidity
- Cabinet equipped with earthing
- Leveling jacks
- Door key lock
- 3 shelves made of **painted** (**BASIC** series) or of **stainless steel** (**EASY** series) whose height can be adjusted, 1 tray with grid
- Shelf fastening on aluminium eyelets excluding all risks of spark
- Fire tested shelves
- ISO 3864: Pictogram signalling
- Certified as fire-resistant for **90 minutes**, according to standard **EN14470-1 BV (new version 2023 Bureau Veritas)**
- Certified according to standard **EN16121 BV (Bureau Veritas)**
- Palletized base plinth for easy handling of the cabinet.

SAFETY STORAGE CABINETS FOR INFLAMMABLES

SERIES FIRE MY23 Grey

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CSF239BMY23**	Cabinet series FIRE MY23 BASIC with 1 door	595x600x2050	496x446x1540	3 shelves made of **painted** steel (max. load 60 Kg evenly distributed) + 1 retention tray with grid (capacity 20 Litres)	80 / 100	210
CSF239MY23**	Cabinet series FIRE MY23 EASY with 1 door	595x600x2050	496x446x1540	3 shelves made of **stainless** steel (max. load 60 Kg evenly distributed) + 1 retention tray with grid (capacity 20 Litres)	80 / 100	210
CSF232BMY23	Cabinet series FIRE MY23 BASIC with 2 doors	1200x600x2050	1095x446x1540	3 shelves made of **painted** steel (max. load 80 Kg evenly distributed) + 1 retention tray with grid (capacity 45 Litres)	160 / 200	350
CSF232MY23	Cabinet series FIRE MY23 EASY with 2 doors	1200x600x2050	1095x446x1540	3 shelves made of **stainless** steel (max. load 80 Kg evenly distributed) + 1 retention tray with grid (capacity 45 Litres)	160 / 200	350
CSF239FMY23	Cabinet series FIRE MY23 PHARMACY BASIC with 1 door	595x600x2050	496x446x1540	3 sliding tray shelves made of **painted** steel (max. load 60 Kg evenly distributed) + 1 sliding retention tray with grid (capacity 20 Litres)	80 / 100	210

*Approximate capacity in bottles holding 1 litre per cabinet
**Left door opening. Add «D» to the item code for the right door opening

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
RIP60VMY23	Additional shelf made of **painted** steel for cabinet with 1 door **W600**	493x420x39	7	20 / 25
RIP120VMY23	Additional shelf made of **painted** steel for cabinet with 2 doors	1094x420x39	16	44 / 55
RIP60MY23	Additional shelf made of **stainless** steel for cabinet with 1 door **W600**	493x420x39	7	20 / 25
RIP120MY23	Additional shelf made of **stainless** steel for cabinet with 2 doors	1094x420x39	16	44 / 55
S60S	Frame for pull-out shelf for fire 60 (shelf not included)			
RIP60VS	Additional sliding shelf made of **painted** steel for S60S	394x420x39	7	20 / 25
RIP60IS	Additional sliding shelf made of **stainless** steel for S60S	394x420x39	7	20 / 25
S120S	Frame for pull-out shelf for fire 120 (shelf not included)			
RIP120VS	Additional sliding shelf made of **painted** steel for S120S	925x420x39	16	44 / 55
RIP120IS	Additional sliding shelf made of **stainless** steel for S120S	925x420x39	16	44 / 55
RIPGI	Additional rotating shelf for cabinet with 1 door			
CHEMIROLL	Wheel board to move the cabinets			
TIM24	Daily counter			
ESTINTORE	Internal carbon dioxide fire-extinguisher with automatic thermal tripping (62 °C)	Ø 90x280		
CEGSM	GSM dialer for inflammable cabinets			
ASFIRE	Pair of anti-seismic brackets for cabinets			
CSFR35	NEW COLDY refrigerator (use together with DIAM125BP)			

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø: 125 mm (filter excluded)	290x290x270
CSF100BPAMY23	Fresh air box **ATEX** with power cable and filter box - outlet diam. 125 mm	350x370x500
RSOL	Activated charcoal filter for organic solvents - series FIRE MY23 (to replace at least 3 times a year)	235x110x15
GFKIT100	External connection kit (1 metre of hose diam. 100 mm and 2 clamps)	Ø 100 - W 1000 mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211, with visual and audible alarm	570x500x250
CFNL	Molecular filtration box manufactured, without alarm	570x500x250
CFNCO	Hour counter for CFN	
CSAS	Activated charcoal filter for solvents (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15
CSPFO	ACTIVATED carbon filter for FORMALINE (for CFN)	

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

Series FIRE MY23 Yellow

Certified according to EN14470-1 (new version 2023) standard Type 90 & EN16121

FIRE-RESISTANT
CERTIFIED
90 minutes (TYPE 90)
NEW STANDARD EN 14470-1 2023

CSF232BMY23Y

CSF239BMY23Y

Painted steel shelf
RIP60VMY23

Stainless steel shelf
RIP60XMY23

High storage capacity

📢 TECHNICAL FEATURES

- Completely made of an electrogalvanized steel plate with a thickness of 1 - 1.5 mm, cold bent - Yellow RAL 1021
- External finishing made of acidproof epoxy resin and passage through a thermal tunnel a 200 °C
- Cabinet isolation through some high density rock wool panels and some calcium sulphate panels
- Internal finishing with melamine panels highly resistant to chemical and aggressive vapours
- Structure allowing replacing spare parts if necessary
- Automatic door closing when the ambient temperature exceeds 50 °C
- 30 mm thermo-expanding isolation seals which in case of temperature rise ensure a perfect cabinet sealing according to standard EN14470-1 (new version 2023)
- Air inlet and outlet with certified fire dampers closing ducts when the temperature exceeds 70 °C according to standard 4102-6
- Prearrangement for ventilation through a Ø 100 mm flange for an external connection or a filtering ventilation system (see the chapter on ventilation)

- **Closing and locking system of the doors allowing keeping the doors open** and closing them automatically in case of ambient temperature higher than 50 °C
- Spark resistant hinge ensuring a perfect door solidity
- Cabinet equipped with earthing
- Leveling jacks
- Door key lock
- 3 shelves made of **painted** (**BASIC** series) or of **stainless steel** (**EASY** series) whose height can be adjusted, 1 tray with grid
- Shelf fastening on aluminium eyelets excluding all risks of spark
- Fire tested shelves
- ISO 3864: Pictogram signalling
- Certified as fire-resistant for **90 minutes**, according to standard **EN14470-1 BV (new version 2023 Bureau Veritas)**
- Certified according to standard **EN16121 BV (Bureau Veritas)**
- Palletized base plinth for easy handling of the cabinet.

SERIES FIRE MY23 Yellow

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CSF239BMY23Y**	Yellow cabinet series FIRE MY23 BASIC with 1 door	595x600x2050	496x446x1540	3 shelves made of **painted** steel (max. load 60 Kg evenly distributed) + 1 retention tray with grid (capacity 20 Litres)	80 / 100	210
CSF239MY23Y**	Yellow cabinet series FIRE MY23 EASY with 1 door	595x600x2050	496x446x1540	3 shelves made of **stainless** steel (max. load 60 Kg evenly distributed) + 1 retention tray with grid (capacity 20 Litres)	80 / 100	210
CSF232BMY23Y	Yellow cabinet series FIRE MY23 BASIC with 2 doors	1200x600x2050	1095x446x1540	3 shelves made of **painted** steel (max. load 80 Kg evenly distributed) + 1 retention tray with grid (capacity 45 Litres)	160 / 200	350
CSF232MY23Y	Yellow cabinet series FIRE MY23 EASY with 2 doors	1200x600x2050	1095x446x1540	3 shelves made of **stainless** steel (max. load 80 Kg evenly distributed) + 1 retention tray with grid (capacity 45 Litres)	160 / 200	350

*Approximate capacity in bottles holding 1 litre per cabinet
**Left door opening. Add «D» to the item code for the right door opening

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
RIP60VMY23	Additional shelf made of **painted** steel for cabinet with 1 door **W600**	493x420x39	7	20 / 25
RIP120VMY23	Additional shelf made of **painted** steel for cabinet with 2 doors	1094x420x39	16	44 / 55
RIP60MY23	Additional shelf made of **stainless** steel for cabinet with 1 door **W600**	493x420x39	7	20 / 25
RIP120MY23	Additional shelf made of **stainless** steel for cabinet with 2 doors	1094x420x39	16	44 / 55
S60S	Frame for pull-out shelf for fire 60 (shelf not included)			
RIP60VS	Additional sliding shelf made of **painted** steel for S60S	394x420x39	7	20 / 25
RIP60IS	Additional sliding shelf made of **stainless** steel for S60S	394x420x39	7	20 / 25
S120S	Frame for pull-out shelf for fire 120 (shelf not included)			
RIP120VS	Additional sliding shelf made of **painted** steel for S120S	925x420x39	16	44 / 55
RIP120IS	Additional sliding shelf made of **stainless** steel for S120S	925x420x39	16	44 / 55
RIPGI	Additional rotating shelf for cabinet with 1 door			
CHEMIROLL	Wheel board to move the cabinets			
TIM24	Daily counter			
ESTINTORE	Internal carbon dioxide fire-extinguisher with automatic thermal tripping (62 °C)	Ø 90x280		
CEGSM	GSM dialer for inflammable cabinets			
ASFIRE	Pair of anti-seismic brackets for cabinets			
CSFR35	NEW COLDY refrigerator (use together with DIAM125BP)			

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø: 125 mm (filter excluded)	290x290x270
CSF100BPAMY23	Fresh air box **ATEX** with power cable and filter box - outlet diam. 125 mm	350x370x500
RSOL	Activated charcoal filter for organic solvents - series FIRE MY23 (to replace at least 3 times a year)	235x110x15
GFKIT100	External connection kit (1 metre of hose diam. 100 mm and 2 clamps)	Ø 100 - W 1000 mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211, with visual and audible alarm	570x500x250
CFNL	Molecular filtration box manufactured, without alarm	570x500x250
CFNCO	Hour counter for CFN	
CSAS	Activated charcoal filter for solvents (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15
CSPFO	ACTIVATED carbon filter for FORMALINE (for CFN)	

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

Series BIG FIRE MY23 Grey

Certified according to EN14470-1 (new version 2023) standard Type 90 & EN16121

FIRE-RESISTANT
CERTIFIED
90 minutes (TYPE 90)
NEW STANDARD EN 14470-1 2023

CSF240BMY23

CSF240BMY23 OPEN

THE NEW WAY
More storage, less expensive, same security
STORAGE CAPACITY: 128/160 1 liter bottle
+ 60% bigger than one-door cabinet
- 28% less than a two-door

📢 TECHNICAL FEATURES

- Completely made of an electrogalvanized steel plate with a thickness of 1 - 1.5 mm, cold bent - Grey RAL 7035
- External finishing made of acidproof epoxy resin and passage through a thermal tunnel a 200 °C
- Cabinet isolation through some high density rock wool panels and some calcium sulphate panels
- Internal finishing with melamine panels highly resistant to chemical and aggressive vapours
- Structure allowing replacing spare parts if necessary
- Automatic door closing when the ambient temperature exceeds 50 °C
- 30 mm thermo-expanding isolation seals which in case of temperature rise ensure a perfect cabinet sealing according to standard EN14470-1 (new version 2023)
- Air inlet and outlet with certified fire dampers closing ducts when the temperature exceeds 70 °C according to standard 4102-6
- Prearrangement for ventilation through a Ø 100 mm flange for an external connection or a filtering ventilation system (see the chapter on ventilation)

- **Closing and locking system of the doors allowing keeping the doors open** and closing them automatically in case of ambient temperature higher than 50 °C
- Spark resistant hinge ensuring a perfect door solidity
- Cabinet equipped with earthing
- Leveling jacks
- Door key lock
- 3 shelves made of **painted** (**BASIC** series) or of **stainless steel** (**EASY** series) whose height can be adjusted, 1 bottom sump with draining grid which allows a bigger storage volume
- Shelf fastening on aluminium eyelets excluding all risks of spark
- Fire tested shelves
- ISO 3864: Pictogram signalling
- Certified as fire-resistant for **90 minutes**, according to standard **EN14470-1 BV (new version 2023 Bureau Veritas)**
- Certified according to standard **EN16121 BV (Bureau Veritas)**
- Palletized base plinth for easy handling of the cabinet.

SAFETY STORAGE CABINETS FOR INFLAMMABLES

SERIES BIG FIRE MY23 Grey

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CSF240BMY23**	Cabinet series BIG FIRE MY23 BASIC with 1 door - **L900**	895x600x2050	796x446x1540	3 shelves made of **painted** steel (max. load 70 Kg evenly distributed) + 1 retention tray with grid (capacity 25 Litres)	128 / 160	280
CSF240MY23**	Cabinet series BIG FIRE MY23 EASY with 1 door - **L900**	895x600x2050	796x446x1540	3 shelves made of **stainless** steel (max. load 70 Kg evenly distributed) + 1 retention tray with grid (capacity 25 Litres)	128 / 160	280

*Approximate capacity in bottles holding 1 litre per cabinet
**Left door opening. Add «D» to the item code for the right door opening

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
RIP90VMY23	Additional shelf made of **painted** steel for cabinet with 1 door **W900**	793x420x39	12	32 / 40
RIP90MY23	Additional shelf made of **stainless** steel for cabinet with 1 door **W900**	793x420x39	12	32 / 40
S90S	Frame for pull-out shelf for FIRE 90 (shelf not included)			
RIP90VS	Additional sliding shelf made of **painted** steel for S90S	695x420x39	12	32 / 40
RIP90IS	Additional sliding shelf made of **stainless** steel for S90S	695x420x39	12	32 / 40
CHEMIROLL	Wheel board to move the cabinets			
TIM24	Daily counter			
ESTINTORE	Internal carbon dioxide fire-extinguisher with automatic thermal tripping (62 °C)	Ø 90x280		
CEGSM	GSM dialer for inflammable cabinets			
ASFIRE	Pair of anti-seismic brackets for cabinets			
CSFR35	NEW COLDY refrigerator (use together with DIAM125BP)			

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø: 125 mm (filter excluded)	290x290x270
CSF100BPAMY23	Fresh air box **ATEX** with power cable and filter box - outlet diam. 125 mm	350x370x500
RSOL	Activated charcoal filter for organic solvents - series FIRE MY23 (to replace at least 3 times a year)	235x110x15
GFKIT100	External connection kit (1 metre of hose diam. 100 mm and 2 clamps)	Ø 100 - W 1000 mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211, with visual and audible alarm	570x500x250
CFNL	Molecular filtration box manufactured, without alarm	570x500x250
CFNCO	Hour counter for CFN	
CSAS	Activated charcoal filter for solvents (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15
CSPFO	ACTIVATED carbon filter for FORMALINE (for CFN)	

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

CHEMISAFE SAFETY STORAGE CABINETS

EN 14470-1 16121

Series BIG FIRE MY23 Yellow

Certified according to EN14470-1 (new version 2023) standard Type 90 & EN16121

FIRE-RESISTANT CERTIFIED
90 minutes (TYPE 90)
NEW STANDARD EN 14470-1 2023

CSF240BMY23Y

CSF240BMY23Y OPEN

THE NEW WAY
More storage, less expensive, same security
STORAGE CAPACITY: 128/160 1 liter bottle
+ 60% bigger than one-door cabinet
- 28% less than a two-door

📢 TECHNICAL FEATURES

- Completely made of an electrogalvanized steel plate with a thickness of 1 - 1.5 mm, cold bent - Yellow RAL 1021
- External finishing made of acidproof epoxy resin and passage through a thermal tunnel a 200 °C
- Cabinet isolation through some high density rock wool panels and some calcium sulphate panels
- Internal finishing with melamine panels highly resistant to chemical and aggressive vapours
- Structure allowing replacing spare parts if necessary
- Automatic door closing when the ambient temperature exceeds 50 °C
- 30 mm thermo-expanding isolation seals which in case of temperature rise ensure a perfect cabinet sealing according to standard EN14470-1 (new version 2023)
- Air inlet and outlet with certified fire dampers closing ducts when the temperature exceeds 70 °C according to standard 4102-6
- Prearrangement for ventilation through a Ø 100 mm flange for an external connection or a filtering ventilation system (see the chapter on ventilation)

- **Closing and locking system of the doors allowing keeping the doors open** and closing them automatically in case of ambient temperature higher than 50 °C
- Spark resistant hinge ensuring a perfect door solidity
- Cabinet equipped with earthing
- Leveling jacks
- Door key lock
- 3 shelves made of **painted** (**BASIC** series) or of **stainless steel** (**EASY** series) whose height can be adjusted, 1 bottom sump with draining grid which allows a bigger storage volume
- Shelf fastening on aluminium eyelets excluding all risks of spark
- Fire tested shelves
- ISO 3864: Pictogram signalling
- Certified as fire-resistant for **90 minutes**, according to standard **EN14470-1 BV (new version 2023 Bureau Veritas)**
- Certified according to standard **EN16121 BV (Bureau Veritas)**
- Palletized base plinth for easy handling of the cabinet.

SERIES BIG FIRE MY23 Yellow

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CSF240BMY23**	Yellow cabinet series BIG FIRE MY23 BASIC with 1 door - **L900**	895x600x2050	796x446x1540	3 shelves made of **painted** steel (max. load 70 Kg evenly distributed) + 1 retention tray with grid (capacity 25 Litres)	128 / 160	280
CSF240MY23**	Yellow cabinet series BIG FIRE MY23 EASY with 1 door - **L900**	895x600x2050	796x446x1540	3 shelves made of **stainless** steel (max. load 70 Kg evenly distributed) + 1 retention tray with grid (capacity 25 Litres)	128 / 160	280

*Approximate capacity in bottles holding 1 litre per cabinet
**Left door opening. Add «D» to the item code for the right door opening

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
RIP90VMY23	Additional shelf made of **painted** steel for cabinet with 1 door **W900**	793x420x39	12	32 / 40
RIP90MY23	Additional shelf made of **stainless** steel for cabinet with 1 door **W900**	793x420x39	12	32 / 40
S90S	Frame for pull-out shelf for FIRE 90 (shelf not included)			
RIP90VS	Additional sliding shelf made of **painted** steel for S90S	695x420x39	12	32 / 40
RIP90IS	Additional sliding shelf made of **stainless** steel for S90S	695x420x39	12	32 / 40
CHEMIROLL	Wheel board to move the cabinets			
TIM24	Daily counter			
ESTINTORE	Internal carbon dioxide fire-extinguisher with automatic thermal tripping (62 °C)	Ø 90x280		
CEGSM	GSM dialer for inflammable cabinets			
ASFIRE	Pair of anti-seismic brackets for cabinets			
CSFR35	NEW COLDY refrigerator (use together with DIAM125BP)			

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø: 125 mm (filter excluded)	290x290x270
CSF100BPAMY23	Fresh air box **ATEX** with power cable and filter box - outlet diam. 125 mm	350x370x500
RSOL	Activated charcoal filter for organic solvents - series FIRE MY23 (to replace at least 3 times a year)	235x110x15
GFKIT100	External connection kit (1 metre of hose diam. 100 mm and 2 clamps)	Ø 100 - W 1000 mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211, with visual and audible alarm	570x500x250
CFNL	Molecular filtration box manufactured, without alarm	570x500x250
CFNCO	Hour counter for CFN	
CSAS	Activated charcoal filter for solvents (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15
CSPFO	ACTIVATED carbon filter for FORMALINE (for CFN)	

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

Series BACMY23 Grey

Certified according to EN14470-1 (new version 2023) standard Type 90 & EN16121

FIRE-RESISTANT CERTIFIED
90 minutes (TYPE 90)
NEW STANDARD EN 14470-1 2023

CSF232BACMY23

CSF239BACMY23

Painted steel shelf
RIP60VMY23

Closing system

Closing system allowing keeping the doors open

📢 TECHNICAL FEATURES

- Completely made of an electrogalvanized steel plate with a thickness of 1 - 1,5 mm, cold bent - Grey RAL 7035
- External finishing in acidproof epoxy resin and passage through a thermal tunnel at 200 °C
- Cabinet isolation through some high density rock wool panels and some calcium sulphate panels
- Internal finishing with melamine panels highly resistant to chemical and aggressive vapours
- Structure allowing replacing spare parts if necessary
- Automatic door closing when the ambient temperature exceeds 50 °C
- 30 mm thermo-expanding isolation seals which in case of temperature rise ensure a perfect cabinet sealing according to standard EN14470-1 (new version 2023)
- Air inlet and outlet with certified fire dampers closing ducts when the temperature exceeds 70 °C according to standard DIN 4102-6.
- Prearrangement for ventilation through a Ø 100 mm flange for an external connection or a filtering ventilation system (see the chapter on ventilation)

- Closing and locking system of the doors allowing keeping the doors opened and closing them automatically in case of ambient temperature higher than 50 °C
- Spark resistant hinge ensuring a perfect door solidity
- Cabinet equipped with earthing
- Leveling jacks
- Door key lock
- 3 shelves made of painted or stainless steel (optional) whose height can be adjusted, 1 retention tray with grid
- Shelf fastening on some aluminium eyelets excluding all risks of spark
- Fire tested shelves
- ISO 3864 : Pictogram signalling
- Certified as fire-resistant for **90 minutes**, according to standard **EN14470-1 BV (new version 2023 Bureau Veritas)**
- Certified according to standard **EN16121 BV (Bureau Veritas)**
- Palletized base plinth for easy handling of the cabinet.

SAFETY STORAGE CABINETS FOR INFLAMMABLES

SERIES BACMY23 Grey

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CSF239BACMY23**	Cabinet series BACMY23 with 1 door	595x600x2050	496x446x1540	3 shelves made of **painted** steel (max. load 60 Kg evenly distributed) + 1 retention tray with grid (capacity 20 Litres)	80 / 100	190
CSF232BACMY23	Cabinet series BACMY23 with 2 doors	1200x600x2050	1095x446x1540	3 shelves made of **painted** steel (max. load 80 Kg evenly distributed) + 1 retention tray with grating (capacity 45 Litres)	160 / 200	325

*Approximate capacity in bottles holding 1 litre per cabinet
**Left door opening. Add «D» to the item code for the right door opening

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
RIP60VMY23	Additional shelf made of **painted** steel for cabinet with 1 door **W600**	493x420x39	7	20 / 25
RIP120VMY23	Additional shelf made of **painted** steel for cabinet with 2 doors	1094x420x39	16	44 / 55
RIP60MY23	Additional shelf made of **stainless** steel for cabinet with 1 door **W600**	493x420x39	7	20 / 25
RIP120MY23	Additional shelf made of **stainless** steel for cabinet with 2 doors	1094x420x39	16	44 / 55
RIPGI	Additional rotating shelf for cabinet with 1 door			
CHEMIROLL	Wheel board to move the cabinets			
CEGSM	GSM dialer for inflammable cabinets			
ASFIRE	Pair of anti-seismic brackets for cabinets			
CSFR35	NEW COLDY refrigerator (use together with DIAM125BP)			

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø: 125 mm (filter excluded)	290x290x270
CSF100BPAMY23	Fresh air box **ATEX** with power cable and filter boxe - outlet diam. 125 mm	350x370x500
RSOL	Activated charcoal filter for organic solvents - series FIRE MY23 (to replace at least 3 times a year)	235x110x15
GFKIT100	External connection kit (1 metre of hose diam. 100 mm and 2 clamps)	Ø 100 - W 1000 mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211, with visual and audible alarm	570x500x250
CFNL	Molecular filtration box manufactured, without alarm	570x500x250
CFNCO	Hour counter for CFN	
CSAS	Activated charcoal filter for solvents (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15
CSPFO	ACTIVATED carbon filter for FORMALINE (for CFN)	

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

CHEMISAFE SAFETY STORAGE CABINETS

EN 14470-1 16121

Series BACMY23 Yellow

Certified according to EN14470-1 (new version 2023) standard Type 90 & EN16121

FIRE-RESISTANT
CERTIFIED
90 minutes (TYPE 90)
NEW STANDARD EN 14470-1 2023

CSF239BACMY23Y

CSF232BACMY23Y

CSF232BACMY23Y OPEN

Ideal for industry

Closing system

Shelf made of painted steel RIP60VMY23

📢 TECHNICAL FEATURES

- Completely made of an electrogalvanized steel plate with a thickness of 1 - 1,5 mm, cold bent - Yellow RAL 1021
- External finishing in acidproof epoxy resin and passage through a thermal tunnel at 200 °C
- Cabinet isolation through some high density rock wool panels and some calcium sulphate panels
- Internal finishing with melamine panels highly resistant to chemical and aggressive vapours
- Structure allowing replacing spare parts if necessary
- Automatic door closing when the ambient temperature exceeds 50 °C
- 30 mm thermo-expanding isolation seals which in case of temperature rise ensure a perfect cabinet sealing according to standard EN14470-1 (new version 2023)
- Air inlet and outlet with certified fire dampers closing ducts when the temperature exceeds 70 °C according to standard DIN 4102-6.
- Prearrangement for ventilation through a Ø 100 mm flange for an external connection or a filtering ventilation system (see the chapter on ventilation)

- Closing and locking system of the doors allowing keeping the doors opened and closing them automatically in case of ambient temperature higher than 50 °C
- Spark resistant hinge ensuring a perfect door solidity
- Cabinet equipped with earthing
- Leveling jacks
- Door key lock
- 3 shelves made of painted or stainless steel (optional) whose height can be adjusted, 1 retention tray with grid
- Shelf fastening on some aluminium eyelets excluding all risks of spark
- Fire tested shelves
- ISO 3864 : Pictogram signalling
- Certified as fire-resistant for **90 minutes**, according to standard **EN14470-1 BV (new version 2023 Bureau Veritas)**
- Certified according to standard **EN16121 BV (Bureau Veritas)**
- Palletized base plinth for easy handling of the cabinet.

SAFETY STORAGE CABINETS FOR INFLAMMABLES

SERIES BACMY23 Yellow

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CSF239BACMY23**	Cabinet series BACMY23 with 1 door	595x600x2050	496x446x1540	3 shelves made of **painted** steel (max. load 60 Kg evenly distributed) + 1 retention tray with grid (capacity 20 Litres)	80 / 100	190
CSF232BACMY23	Cabinet series BACMY23 with 2 doors	1200x600x2050	1095x446x1540	3 shelves made of **painted** steel (max. load 80 Kg evenly distributed) + 1 retention tray with grating (capacity 45 Litres)	160 / 200	325

*Approximate capacity in bottles holding 1 litre per cabinet
**Left door opening. Add «D» to the item code for the right door opening

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
RIP60VMY23	Additional shelf made of **painted** steel for cabinet with 1 door **W600**	493x420x39	7	20 / 25
RIP120VMY23	Additional shelf made of **painted** steel for cabinet with 2 doors	1094x420x39	16	44 / 55
RIP60MY23	Additional shelf made of **stainless** steel for cabinet with 1 door **W600**	493x420x39	7	20 / 25
RIP120MY23	Additional shelf made of **stainless** steel for cabinet with 2 doors	1094x420x39	16	44 / 55
RIPGI	Additional rotating shelf for cabinet with 1 door			
CHEMIROLL	Wheel board to move the cabinets			
CEGSM	GSM dialer for inflammable cabinets			
ASFIRE	Pair of anti-seismic brackets for cabinets			
CSFR35	NEW COLDY refrigerator (use together with DIAM125BP)			

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø: 125 mm (filter excluded)	290x290x270
CSF100BPAMY23	Fresh air box **ATEX** with power cable and filter box - outlet diam. 125 mm	350x370x500
RSOL	Activated charcoal filter for organic solvents - series FIRE MY23 (to replace at least 3 times a year)	235x110x15
GFKIT100	External connection kit (1 metre of hose diam. 100 mm and 2 clamps)	Ø 100 - W 1000 mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211, with visual and audible alarm	570x500x250
CFNL	Molecular filtration box manufactured, without alarm	570x500x250
CFNCO	Hour counter for CFN	
CSAS	Activated charcoal filter for solvents (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15
CSPFO	ACTIVATED carbon filter for FORMALINE (for CFN)	

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

CHEMISAFE®
SAFETY STORAGE CABINETS

EN¹⁴⁴⁷⁰⁻¹

Series FIRE RADIO MY23
Certified according to EN14470-1 (new version 2023) standard Type 90

FIRE-RESISTANT CERTIFIED
90 minutes (TYPE 90)
NEW STANDARD EN 14470-1 2023

Completely made of stainless steel with a layer od lead whose thickness can vary from 2 to 5 mm

CSF239XMY23   CSF239XMY23 OPEN   CSF606XMY23   CSF500X

📢 TECHNICAL FEATURES

- Completely made of electrogalvanized stainless steel AISI304 with a thickness from 1 to 1.5 mm, cold bent
- Cabinet isolation through some high density rock wool panels and some calcium sulphate panels
- Internal finishing with melamine and lead panels whose **thickness varies from 2 and 5 mm** according to the level of radioactivity of the stored products (please contact us)
- Structure allowing replacing spare parts if necessary
- Automatic door closing when the ambient temperature exceeds 50 °C
- 30 mm thermo-expanding isolation seals which in case of temperature rise ensure a perfect cabinet sealing according to standard EN14470-1 (new version 2023)
- Air inlet and outlet with certified fire dampers closing ducts when the temperature exceeds 70 °C according to standard 4102-6
- Prearrangement for ventilation through a Ø 100 mm flange for an external connection or a filtering ventilation system (see the chapter on ventilation)

- **Closing and locking system of the doors allowing keeping the doors open** and closing them automatically in case of ambient temperature higher than 50 °C
- Spark resistant hinge ensuring a perfect door solidity
- Cabinet equipped with earthing
- Leveling jacks
- Door key lock
- 3 stainless steel shelves whose height can be adjusted, 1 retention tray with grid (high model with 1 door)
- Shelf fastening on aluminium eyelets excluding all risks of spark
- Fire tested shelves
- ISO 3864: Pictogram signalling
- Certified as fire-resistant for **90 minutes**, (30 minutes for the Safety Fire Case model), according to standard **EN14470-1 BV (new version 2023 Bureau Veritas)**

SERIES FIRE RADIO MY23

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CSF239XMY23	Cabinet series FIRE RADIO MY23 with 1 door	595x600x2050	490x446x1540	3 **stainless** steel shelves (max load 60 Kg evenly distributed) + 1 retention tray with **stainless** steel grid (capacity 20 Litres)	60 / 80	350
CSF606XMY23	Underbench cabinet series FIRE RADIO MY23 with 1 door	595x520x620+80	490x440x510	1 retention tray with **stainless** steel grid (capacity 20 Litres)	15 / 20	130
CSF500X	Safety Fire Case RADIO with wheeled carriage to transport	340x340x400	200x200x265	1 stainless steel retention tray	4	45

*Approximate capacity in bottles holding 1 litre per cabinet

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
RADIORIP60MY23	Additional **stainless** steel shelf for cabinet radio with 1 door	490x420x39	7	15 / 20
RADIOUBRIP60MY23	Additional **stainless** steel shelf for underbench cabinet radio with 1 door	458x300x39	5	15 / 20
ESTINTORE	External carbon dioxide fire-extinguisher with automatic thermal tripping (62 °C)	Ø 90x280		

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø: 125 mm (filter excluded)	290x290x270
CSF100BPAMY23	Fresh air box **ATEX** with power cable and filter box - outlet diameter 125 mm	350x370x500
RSOL	Activated charcoal filter for organic solvents - series FIRE MY23 (to replace at least 3 times a year)	235x110x15
GFKIT100	External connection kit (1 metre of hose diam. 100 mm and 2 pipe clamps)	Ø 100 - W 1000 mm

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

CHEMISAFE SAFETY STORAGE CABINETS

EN¹⁴⁴⁷⁰⁻¹

SAFETY FIRE CASE

Certified according to EN14470-1 (new version 2023) standard Type 30

Portable safety box to store 4 bottles (1L) of inflammable liquids

PORTABLE, PRACTICAL AND SAFE!

CSF500

> Ideal for storing small quantities.
> Cheap implementation compared with the regulations on inflammable product storage

📢 TECHNICAL FEATURES

- Completely made of an electrogalvanized steel plate with a thickness from 1 to 1.5 mm, cold bent - Grey RAL 7031
- External finishing made of acidproof epoxy resin and passage through a thermal tunnel at 200 °C
- Cabinet isolation through some high density rock wool panels and some calcium sulphate panels
- Automatic cover closing when the ambient temperature exceeds 50 °C
- 30 mm thermo-expanding isolation seals that in case of temperature rise ensure a perfect box sealing, according to standard EN14470-1N (new version 2023)

- Optional carriage
- Side handles
- Clover with key lock
- 1 **painted steel** retention tray
- ISO 3864: Pictogram signalling
- Certified as fire-resistant for **30 minutes**, according to standard **EN14470-1 BV (new version 2023 Bureau Veritas)**

SAFETY FIRE CASE

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CSF500	Safety Fire Case Type 30	340x340x400	200x200x265	1 steel retention tray (capacity 1.5 Litres)	4 bottles holding 1litre or 1 bottle holding 5 litres	18

*Approximate capacity in bottles holding 1 litre per cabinet

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
CSF560	Wheeled carriage			
TR/EFO	Pipe passage (chromatography)	Ø <2 cm		
ESTINTORE	External carbon dioxide fire-extinguisher with automatic thermal tripping (62 °C)	Ø 90x280		

*Approximate capacity in bottles holding 1 litre

APPLICATION: CHROMATOGRAPHIE CPG / HPLC

- Solvent storage in a portable fire-resistant box and bound to the chromatographic chain through some tubing
- The tubing is connected through a fire-resistant passage with a diameter < 2 cm located on the box cover
- **Optional Chromatography:** Code: TR/EFO

SAFETY FIRST during your chromatographic manipulations

WASTE STORAGE TANK

CHEMISAFE offers several solutions allowing safe collection of (inflammable or not inflammable) liquid wastes coming from the manipulations inside the laboratories.

HOW TO CHOOSE YOUR WASTE STORAGE TANK?

Our very big range of safety underbench cabinets allows offering several possible choices of waste storage tanks.

The cabinet located below the working surface of the fume cabinet or underbench will be connected either to a basin or to a funnel:

1 Choose your cabinet model from our underbench COMBISTORAGE range H620 mm according to the type of liquids to reject (fire-resistant cabinets or for chemicals)

2 Choose the recovery and bottle filling level detection system as required

LIQUID RECOVERY SYSTEM WITH CONTACT ELECTRONIC CONTROL OF THE FILLING LEVEL (PROBE)

- Cabinet drilling for the discharge pipe passage
- The pipe will pass through the cabinet thanks to a firestop hole certified REI 180 for the use of inflammable products and standard for acids/bases
- Funnel with removable grid made of black HDPE allowing recovering contaminated liquids. Jerrycans made of HDPE, capacity of 10 litres.
- Electronic level sensor assembled on velcro which can be fixed either on the jerrycan itself, or on the cabinet wall.
- Audible and visual alarm to be placed, for example, on an underbech cabinet back.
- The system will be equipped with a level probe with visual and audible alarm

CODE	DESCRIPTION
CS8001	Controlled waste system alarm complete with AC/VIS alarm, fitting, cap, flexible connector, funnel, and fixing connector on the surface
CS8002	Controlled waste system complete with AC/VIS alarm, fitting, cap, flexible connector, tap interception on cap, funnel, and fixing connector on the surface
CS8027	5L Tank
CS8028	10L Tank

Connection to an underbench funnel

Connection to a basin under fume cabinet

- Safety funnel made of conductive HPDE. It is equipped with an earth system, and it is delivered with a cable and pliers. A removable sieve allows filtering some solids.
- The small funnel has a cover to close it when it is not used
- The big funnel is equipped with an automatic closing float

FIREPROOF CABINET accessories
Fire-extinguisher

TECHNICAL FEATURES

- Automatic fire-extinguisher to be positioned inside or outside the cabinet
- Automatic tripping when the internal temperature of the cabinet exceeds 68 °C

ESTINTORE

Fire-extinguisher installed in a safety cabinet
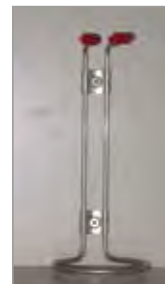
Fastening system

4G Sensor: fire/smoke alarm with telephone call, SMS, and email notification

The 4G Sensor is a smoke detector with communicating by 4G LPWAN (Low Power Wide Area Network).

The fire alarm is signaled by sound, flashing visual indicator and by sending an alarm to SMS,EMAIL, CALL with text to speech and MyFleet Web based platform.

The device has a built-in temperature and humidity sensors.

It is designed to be placed on a ceiling in a confined space, under normal conditions (no smoke, dust, condensed water vapor).

Stand-alone, Easy to use, Long life battery, Internal siren, SMS, MAIL, CALL text to speech for the alerts.

TECHNICAL FEATURES

- Dimensions: 130x35 mm
- Alarm sound: 80dB at 3 m
- Weight: 160 g
- Operating Temperature: -10 °C to 50 ° C
- Battery life up: 2 years
- Working Humidity: 10 to 95% NC

- Networking: 4G LTE CAT-M
- Battery: 3.6V 3500mAh non rechargeable
- Temperature and humidity sensors built-in
- Stop buzzer alarm from server to device and remote
- Installation: Ceiling

Base plate and wheel board
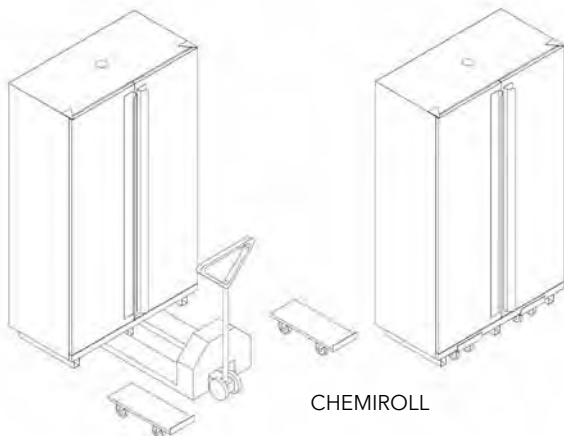
TECHNICAL FEATURES

- **Base plate** with magnetized cover for pallet truck and **wheel board** to move easily the heaviest cabinets

CHEMIROLL

Standard EN14470-2

The European harmonization with regard to the storage of chemicals and of gas cylinders has led to the evolution of the storage regulation of compressed gas cylinders.
That's why the new European standard EN14470-2 replaces standard DIN 12925-2.

WHAT DOES THE STANDARD SAY?

CHEMISAFE puts at your disposal all the certification documents of its cabinets

FIRE RESISTANCE TEST

The introduction of standard EN 14470-2 increases the safety level all over Europe.

This standard prescribes that a cabinet for storing gas cylinders in a building must be fire-resistant.

The cabinet must be conceived and manufactured so that in case of fire its contents do not contribute to increase the risks or to spread fire for at least 15 minutes.

The cabinet is conceived so as to ventilate the internal part in case of reduced gas leakages.

CLASSIFICATION

A safety cabinet for gas cylinders must be classified according to one of the following Types : G15, G30, G60 or G90 minutes.

It is the time for a temperature rise > de 50K (Temperature taken near the tightening plate of the gas cylinder valve).

The flammability class leaves a sufficient time to the staff to leave the area and to firefighters to enter it before the compressed gas cylinders become unstable.

FIRE RESISTANCE

The fire resistance of the compressed gas cylinder storage cabinet must be established through a type test.

This type test is carried out by heating the cabinet in an oven according to the time-temperature curve and by measuring the temperature increase on an empty gas cylinder surface located inside the cabinet.

The temperature increase on the tightening plate surface of the cylinder valve must not exceed 50 K.

CERTIFICATION

Each type of cabinet and each model must pass a fire test during which it will be tested. If a gap is detected in the measures above the tolerance limits set by the standard, the cabinet model must be tested again.

This test must be carried out by an independent approved body.

When the result of this test is obtained, a conformity certificate to standard EN14470-2 will be delivered and supplied with each cabinet model.

MANUFACTURING

VENTILATION

The cabinets must be equipped with some air inlet and outlet openings allowing connecting a drainage system.

1) If some inflammable gases that can maintain a fire are used, the cabinet air volume change will be of at least 10 times per hour.

2) If some toxic gases are used, the cabinet air volume change will be of at least 120 times per hour.

The differential pressure must not exceed 150Pa.

The ventilation system must keep a pressure inside the cabinet lower than the surrounding atmosphere.

HOW TO HOLD THE GAS CYLINDER

A suitable system must be installed inside the cabinet, to prevent the gas cylinder from tilting.

COMPRESSED GAS CYLINDER INSERTION AND WITHDRAWAL

The cabinet must be manufactured to allow inserting and withdrawing the cylinders with the utmost safety and with the minimum manual effort.

CHEMISAFE provides for an access ramp on all its models.

Safety storage cabinets for gas cylinders

**FIRE-RESISTANT
CERTIFIED**
60 MINUTES (G60)

B120G60

GAS SUPPLY LINE INSTALLATION

The number of supply line passages through the cabinet wall or roof must be reduced to the minimum necessary with a maximum of three for each cylinder.

The unused holes must be closed.

We recommend making the three holes with a diameter of 10 mm each.

MARKING

A label must be installed on the front part of the cabinet and it must be readable indicating: the fire resistance class, that the doors must be kept closed, a safety pictogram must signal the presence of compressed gas cylinders, the manufacturer's brand, the model number, the manufacturing year and the serial number.

HOW DID THE FORMER STANDARD DIN 12925-2 CHANGE?

Due to the modifications on the gas cylinder safety cabinet tests, the former standard DIN12925-2 does not correspond any longer to the higher needs of standard NF EN 14470-2.

After the official issue of standard NF EN 14470-2, standard DIN 12925-2 has been officially replaced starting from December 2006.

WHAT DOES THIS MEAN FOR THE USER?

1) A use complying with the regulation
2) A certification documentation for each safety cabinet bought
3) A maximum safety for the users since in case of fire the staff can leave the building without any danger and the assistance and the firefighters can intervene to reach the cylinder storage place before any more serious fire breaks out because of gas combustion.

EN **14470-2**

Series **FIRE BOMB**
Certified according to EN14470-2

FIRE-RESISTANT
CERTIFIED
30 MINUTES (G30)
60 MINUTES (G60)

B60G30

B120G30

📢 TECHNICAL FEATURES

- Completely made of an electrogalvanized steel plate with a thickness from 1 to 2 mm, cold bent
- External finishing made of acidproof epoxy resin and passage through a thermal tunnel at 200 °C
- Cabinet isolation through some high density rock wool panels and some calcium sulphate panels (DIN 4102)
- Internal finishing with melamine panels highly resistant to chemical and aggressive vapours
- Structure allowing replacing spare parts if necessary
- Automatic door closing when the ambient temperature exceeds 50 °C
- 30 mm thermo-expanding isolation seals that in case of temperature rise ensure a perfect cabinet sealing
- Air inlet and outlet with certified fire dampers closing ducts when the temperature exceeds 70 °C according to standard DIN 4102-6
- Prearrangement for ventilation through a Ø 100 mm flange for an external connection (see the chapter on ventilation)

- Closing system allowing keeping the door open in any position
- Spark resistant hinge ensuring a perfect door solidity
- Cabinet equipped with earthing
- Leveling jacks
- Gas pipe passage openings with a diameter of 12 mm, located in the middle and on the upper part of the cabinet
- Door key lock
- Front side ramp made of galvanized steel to facilitate loading and manipulations
- 1 galvanized steel shelf for small gas cylinders
- Gas cylinder supports made of electrogalvanized steel delivered with a fixing chain
- ISO 3864: pictogram signalling
- Certified as fire resistant for **30 minutes**, according to standard **EN14470-2 BV (Bureau Veritas)**

SERIES FIRE BOMB

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
B60G30	Cabinet series FIRE BOMB G30 with 1 door	595x600x2050	435x380x1760	1 **galvanized** steel shelf for small gas cylinders	1 gas cylinder Ø 26 cm or 2 cylinders Ø 21/23 cm	270
B120G30	Cabinet series FIRE BOMB G30 with 2 doors	1200x600x2050	1050x400x1760	1 **galvanized** steel shelf for small gas cylinders	3 gas cylinders Ø 26 cm or 4 cylinders Ø 21/23 cm	445
B60G60	Cabinet series FIRE BOMB G60 with 1 door	700x600x2050	470x380x1740	1 **galvanized** steel shelf for small gas cylinders	1 gas cylinder Ø 26 cm or 2 cylinders Ø 21/23 cm	300
B120G60	Cabinet series FIRE BOMB G60 with 2 doors	1400x600x2050	470+470x340x1740	2 **galvanized** steel shelfes for small gas cylinders	3 gas cylinders Ø 26 cm or 4 cylinders Ø 21/23 cm	600

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	STORAGE CAPACITY
ACCG30	Additional shelf for small gas cylinder	430x330x250	1 small cylinder
RIPB60	Additional shelf for BOMB60		
RIPB120	Additional shelf for BOMB120		
ESTINTORE	External carbon dioxide fire-extinguisher with automatic thermal tripping (62 °C)	Ø 90x280	

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø: 125 mm (filter excluded)	290x290x270
CSF100BPAMY23	Fresh air box **ATEX** with power cable and filter box – outlet diameter 125 mm	350x370x500
RSOL	Activated charcoal filter for organic solvents (to replace at least twice a year)	235x110x15
GFKIT100	External connection kit (1 metre of hose diam 100 mm and 2 pipe clamps)	Ø 100 - W 1000 mm

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

Series BBASIC

Safety cabinets for the internal
and external storage of gas cylinders

The cheap solution to store
gas cylinders safely

BBASIC60

BBASIC120

BBASIC60G

BBASIC120G

⌖ TECHNICAL FEATURES

- Completely made of an electrogalvanized steel plate (Skin passat) FE P01 with a thickness of 15/10 mm, cold bent and degreased
- External finishing made of epoxy resin and thermosetting powder and passage through a thermal tunnel at 200 °C
- Grey RAL 7035
- Construction in one piece with jacks to level the cabinet
- Plain swing doors or with polycarbonate windows

- Door opening at 110°
- Safety closing with lock
- Door opening with an angle of 110°
- External hinge made of plastic resistant to corrosion
- Front side hinged ramp made of steel plate to facilitate loading and manipulations
- Bottle fixing chains
- ISO 3864: Pictogram signalling

SERIES BBASIC

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY	Weight (Kg)
BBASIC60	Cabinet series BBASIC with 1 plain door	600x600x1950	595x540x1864	1 hinged ramp, chains	From 1 to 2 gas cylinders	80
BBASIC60G	Cabinet series BBASIC with 1 door with window	600x600x1950	595x540x1864	1 hinged ramp, chains	From 1 to 2 gas cylinders	80
BBASIC120	Cabinet series BBASIC with 2 plain doors	1200x600x1950	1130x540x1864	1 hinged ramp, chains	From 3 to 4 gas cylinders	130
BBASIC120G	Cabinet series BBASIC with 2 doors with window	1200x600x1950	1130x540x1864	1 hinged ramp, chains	From 3 to 4 gas cylinders	130

CHEMISAFE®
SAFETY STORAGE CABINETS

Series PANDESA®

Certified box for the external storage of compressed gas cylinders

> 💬 The logical, cheap and modular solution for storing your gas cylinders externally

DOOR PROTECTION KIT

CODE	DESCRIPTION
PAN01	1 door
PAN02	2 doors
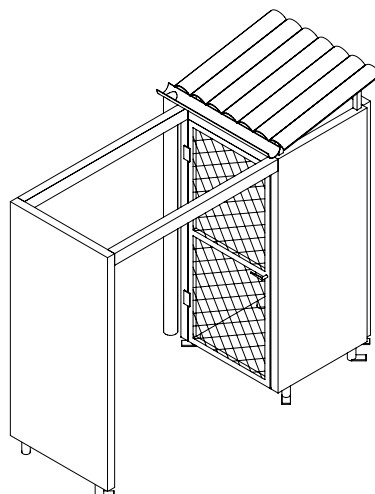
PAN01
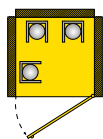
PAN01 - LED3
For 3 gas cylinders
W 960 x D 880 x H 2400 mm
Weight: 262 Kg
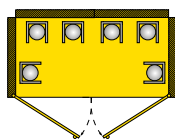
PAN02 - LED6
For 6 gas cylinders
W 1760 x D 880 x H 2400 mm
Weight: 377 Kg
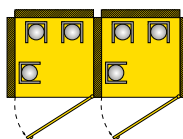
PAN03 - LED3+3
For 3+3 gas cylinders
W 1840 x D 880 x H 2400 mm
Weight: 448 Kg
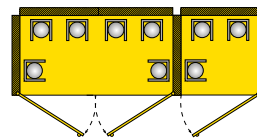
PAN04 - LED6+3
For 6+3 gas cylinders
W 2640 x D 880 x H 2400 mm
Weight: 568 Kg
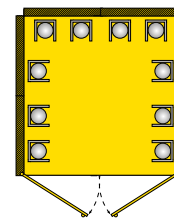
PAN05 - LED10
For 10 gas cylinders
W 1760 x D 1680 x H 2400 mm
Weight: 550 Kg
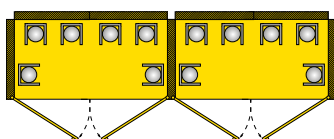
PAN06 - LED6+6
For 6+6 gas cylinders
W 3440 x D 880 x H 2400 mm
Weight: 683 Kg
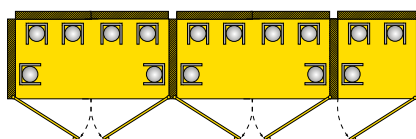
PAN07 - LED6+6+3
For 6+6+3 gas cylinders
W 4320 x D 880 x H 2400 mm
Weight: 875 Kg
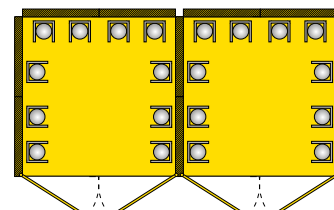
PAN08 - LED10+10
For 10+10 gas cylinders
W 3440 x D 1680 x H 2400 mm
Weight: 909 Kg

📢 TECHNICAL FEATURES

- Manufacturing with steel panels welded to some enclosing side members to prevent the structure deflections
- Box with adjustable feet for fastening to the ground
- Possibility of filling the above-mentioned panels with sand or concrete and then of fixing them
- Galvanization treatment on all components
- Polyurethane resin paint
- Modular roof made of corrugated cardboard fixed on a supporting basis made of painted steel
- PVC gutter to drain rainwater

- Doors with anti-intrusion grid equipped with a safety lock
- Equipped with continuous earthing for each piece (FARADAY CAGE)
- Extensible structure thanks to modules (the picture shows the model for 3 cylinders, see the drawings below)
- Openings to fix the modules
- Possibility of separating fuel and combustion agent
- No building permit is required
- Authorization from the Ministry of the interior **Certificate No. 3804/30/91**

BOX FOR GAS CYLINDERS

PBOX912

Protect your equipment against the unauthorized people

1130

960
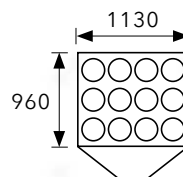
PBOX912
Box from 9 to12 places
W 1130 x D 960 x H 2100 mm
Weight: 175 Kg

RAMP INCLUDED

📣 TECHNICAL FEATURES

- Swing door with security lock
- Roof made of galvanized steel
- Internal basis made of non-slip steel
- Earthing

- Internal chain and spring hook to fix the cylinders
- Already prepared to assemble modules
- Safety labelling included

EN 14470-1
16121

Series COMBISTORAGE UNDERBENCH
Certified according to EN14470-1 (new version 2023), EN61010 & EN16121

Our range of COMBISTORAGE underbench
optimizes space in your laboratory!
The customized solution to replace your laboratory
wooden or steel furniture with a combination of safety cabinets:
for acids, bases and inflammables.

How to choose your combination?
• Measure the available space underbench
• If necessary, choose the suitable base plate for the available space
• Choose the cabinet models for acids/bases/inflammables according to your storage needs.

Each cabinet of the COMBISTORAGE underbench range can be combined on some base plates with different widths.
The different widths and heights of our cabinets allow you to find the solution to your storing problems in your laboratory
• Left door / right door / drawer opening
• 13 possible widths: from 400 to 1800 mm
• Base plates: H 70 mm
• All our models are available with 2 heights: 620 mm & 720 mm

In this way you can have a combination of Acids + Bases + inflammables on a unique base plate.

All our models are available with 2 heights :
620 mm
720 mm

1485 mm

CS714AS + CSF711

📝 **Modular and certified:**
the solution for keeping and using hazardous products directly in the laboratory.

CS716AD

CSFZ150 + CS715AC + CSF706C + CS714BC

📣 COMBISTORAGE TECHNICAL FEATURES FOR INFLAMMABLES

- Completely made of an electrogalvanized steel plate with a thickness from 1 to 1.5 mm, cold bent - Grey RAL 7035
- External finishing made of acidproof epoxy resin and passage through a thermal tunnel at 200 °C
- Cabinet isolation through some high density rock wool panels and some calcium sulphate panels
- Internal finishing panels made of HPL highly resistant to chemical and aggressive vapours
- Structure allowing replacing spare parts if necessary
- Automatic door closing when the ambient temperature exceeds 50 °C
- 30 mm thermo-expanding isolation seals that in case of temperature rise ensure a perfect cabinet sealing, according to standard EN14470-1 (new version 2023)
- Air inlet and outlet with certified fire dampers closing ducts when the temperature is higher than 70 °C according to standard DIN 4102-6
- Prearrangement for ventilation through a Ø 100 mm flange for an external connection or a filtering ventilation system (see the chapter on ventilation)

- Spark resistant brass hinge ensuring a perfect door solidity
- Cabinet equipped with earthing
- Leveling jacks
- Door and drawer key lock
- Shelves made of **painted steel** or **stainless steel** whose height can be adjusted
- Shelf fastening on some aluminium eyelets excluding any spark risk
- Shelves tested to fire
- ISO 3864: Pictogram signalling
- Certified as resistant to fire for 90 minutes, according to standard **EN14470-1 BV (new version 2023 Bureau Veritas)**
- Certified as complying with standard **EN16121 BV (Bureau Veritas)**

📣 COMBISTORAGE TECHNICAL FEATURES FOR ACIDS / BASES

- Completely made of an electrogalvanized steel plate with a thickness from 1 to 1.5 mm, cold bent - Grey RAL 7035
- External finishing made of acidproof epoxy resin and passage through a thermal tunnel at 200 °C
- Internal finishing panels made of HPL highly resistant to chemical and aggressive vapours
- Structure allowing replacing spare parts if necessary
- Prearrangement for ventilation through a Ø 100 mm flange for an external connection or a filtering ventilation system (see the chapter on ventilation)
- Cabinet equipped with earthing
- Leveling jacks

- Door and drawer key lock
- Shelves made of **plasticated steel** or **stainless steel** whose height can be adjusted
- Drawer system made of plasticated steel
- Shelf fastening on some eyelets
- ISO 3864: Pictogram signalling
- Certified as complying with standard **EN61010**
- Certified as complying with standard **EN16121 BV (Bureau Veritas)**

CHEMISAFE SAFETY STORAGE CABINETS

CERTIFIED COMBISTORAGE CABINETS SERIES

CHEMISAFE®
SAFETY STORAGE CABINETS

COMBISTORAGE UNDERBENCH FOR ACIDS / BASES - H 620 / H 720

TYPE OF OPENING	CODE FOR ACIDS	CODE FOR BASES	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	STORAGE CAPACITY*	WEIGHT Kg
400 - RIGHT	CS140AD	CS140BD	395 x 520 x **620**	330 x 430 x 530	9	40
	CS714AD	CS714BD	395 x 520 x **720**	330 x 430 x 630	18	45
400 - LEFT	CS140AS	CS140BS	395 x 520 x **620**	330 x 430 x 530	9	40
	CS714AS	CS714BS	395 x 520 x **720**	330 x 430 x 630	18	45
400 - DRAWER	CS140AC	CS140BC	395 x 520 x **620**	330 x 430 x 530	9	45
	CS714AC	CS714BC	395 x 520 x **720**	330 x 430 x 630	9	50
500 - RIGHT	CS150AD	CS150BD	495 x 520 x **620**	430 x 430 x 530	12	45
	CS715AD	CS715BD	495 x 520 x **720**	430 x 430 x 630	24	50
500 - LEFT	CS150AS	CS150BS	495 x 520 x **620**	430 x 430 x 530	12	45
	CS715AS	CS715BS	495 x 520 x **720**	430 x 430 x 630	24	50
500 - DRAWER	CS150AC	CS150BC	495 x 520 x **620**	430 x 430 x 530	12	50
	CS715AC	CS715BC	495 x 520 x **720**	430 x 430 x 630	12	55
600 - RIGHT	CS160AD	CS160BD	595 x 520 x **620**	530 x 430 x 530	15	50
	CS716AD	CS716BD	595 x 520 x **720**	530 x 430 x 630	30	55
600 - LEFT	CS160AS	CS160BS	595 x 520 x **620**	530 x 430 x 530	15	50
	CS716AS	CS716BS	595 x 520 x **720**	530 x 430 x 630	30	55
600 - DRAWER	CS160AC	CS160BC	595 x 520 x **620**	530 x 430 x 530	15	55
	CS716AC	CS716BC	595 x 520 x **720**	530 x 430 x 630	15	65

*Approximate capacity in bottles holding 1 litre
Standard colour Grey RAL 7035, add « Y » to the code for a yellow cabinet RAL 1021.
For stainless steel shelves, replace « V » with « X » in the item code.
Base plate not compulsory, to be added if necessary.

COMBISTORAGE UNDERBENCH FOR ACIDS / BASES - H 620 / H 720

TYPE OF OPENING	CODE ACIDS + BASES	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	STORAGE CAPACITY*	WEIGHT Kg
890 - 2 DOORS	CS190AB	890 x 520 x **620**	400 + 400 x 430 x 530	9 + 9	75
	CS719AB	890 x 520 x **720**	400 + 400 x 430 x 630	18 + 18	80
890 - DRAWER	CS190CAB	890 x 520 x **620**	400 + 400 x 430 x 530	9 + 9	80
	CS719CAB	890 x 520 x **720**	400 + 400 x 430 x 630	9 + 9	85
1000 - 2 DOORS	CS100AB	990 x 520 x **620**	450 + 450 x 430 x 530	10 + 10	85
	CS710AB	990 x 520 x 720	450 + 450 x 430 x 630	20 + 20	90
1000 - DRAWER	CS100CAB	990 x 520 x **620**	450 + 450 x 430 x 530	10 + 10	90
	CS710CAB	990 x 520 x **720**	450 + 450 x 430 x 630	10 + 10	95
1100 - 2 DOORS	CS110AB	1090 x 520 x **620**	490 + 490 x 430 x 530	12+12	95
	CS711AB	1090 x 520 x **720**	490 + 490 x 430 x 630	24 + 24	100
1100 - DRAWER	CS110CAB	1090 x 520 x **620**	490 + 490 x 430 x 530	12 + 12	100
	CS711CAB	1090 x 520 x **720**	490 + 490 x 430 x 630	12 + 12	105

*Approximate capacity in bottles holding 1 litre
Standard colour Grey RAL 7035, add « Y » to the code for a yellow cabinet RAL 1021. For stainless steel shelves, replace « V » with « X » in the item code.
Base plate not compulsory, to be added if necessary.

BASE PLATES

CODE	DIMENSIONS (WxDxH) mm
CSFZ40	400 x 500 x 70
CSFZ50	500 x 500 x 70
CSFZ60	600 x 500 x 70
CSFZ80	800 x 500 x 70
CSFZ90	900 x 500 x 70
CSFZ100	1000 x 500 x 70
CSFZ110	1100 x 500 x 70
CSFZ120	1200 x 500 x 70
CSFZ140	1400 x 500 x 70
CSFZ150	1500 x 500 x 70
CSFZ160	1600 x 500 x 70
CSFZ170	1700 x 500 x 70
CSFZ180	1800 x 500 x 70

Retention shelves made of painted steel

COMBISTORAGE UNDERBENCH FOR INFLAMMABLES TYPE 90 - H 620 / H 720

TYPE OF OPENING	CODE FOR INFLAMMABLES TYPE 90	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	STORAGE CAPACITY*	WEIGHT Kg
600 - RIGHT	CSF606DMY23	595 x 520 x **620**	483 x 349 x 493	15	70
	CSF706DMY23	595 x 520 x **720**	483 x 349 x 593	15	80
600 - LEFT	CSF606SMY23	595 x 520 x **620**	483 x 349 x 493	15	70
	CSF706SMY23	595 x 520 x **720**	483 x 349 x 593	15	80
600 - DRAWER	CSF606CMY23	595 x 520 x **620**	483 x 349 x 493	15	75
	CSF706CMY23	595 x 520 x **720**	483 x 349 x 593	15	85
890 - 2 DOORS	CSF609MY23	890 x 520 x **620**	778 x 349 x 493	25	105
	CSF709MY23	890 x 520 x **720**	778 x 349 x 593	25	115
890 - DRAWER	CSF609CMY23	890 x 520 x **620**	778 x 349 x 493	25	105
	CSF709CMY23	890 x 520 x **720**	778 x 349 x 593	25	120
1100 - 2 DOORS	CSF611MY23	1090 x 520 x **620**	978 x 349 x 493	30	125
	CSF711MY23	1090 x 520 x **720**	978 x 349 x 593	30	135
1100 - DRAWER	CSF611CMY23	1090 x 520 x **620**	978 x 349 x 493	30	130
	CSF711CMY23	1090 x 520 x **720**	978 x 349 x 593	30	140

CSF706CMY23

BASE PLATES

CODE	DIMENSIONS (WxDxH) mm
CSFZ40	400 x 500 x 70
CSFZ50	500 x 500 x 70
CSFZ60	600 x 500 x 70
CSFZ80	800 x 500 x 70
CSFZ90	900 x 500 x 70
CSFZ100	1000 x 500 x 70
CSFZ110	1100 x 500 x 70
CSFZ120	1200 x 500 x 70
CSFZ140	1400 x 500 x 70
CSFZ150	1500 x 500 x 70
CSFZ160	1600 x 500 x 70
CSFZ170	1700 x 500 x 70
CSFZ180	1800 x 500 x 70

*Approximate capacity in bottles holding 1 litre.
Standard colour Grey RAL 7035, add «Y» to the code for a yellow cabinet RAL 1021. For stainless steel shelves, replace «V» with «X» in the item code.
Base plate not compulsory, to be added if necessary.

Cabinet levelling

Double isolation system preventing noxious vapours from coming out and hot air from entering in case of fire

CSF611 + CSFZ110

Retention tray with painted steel grid

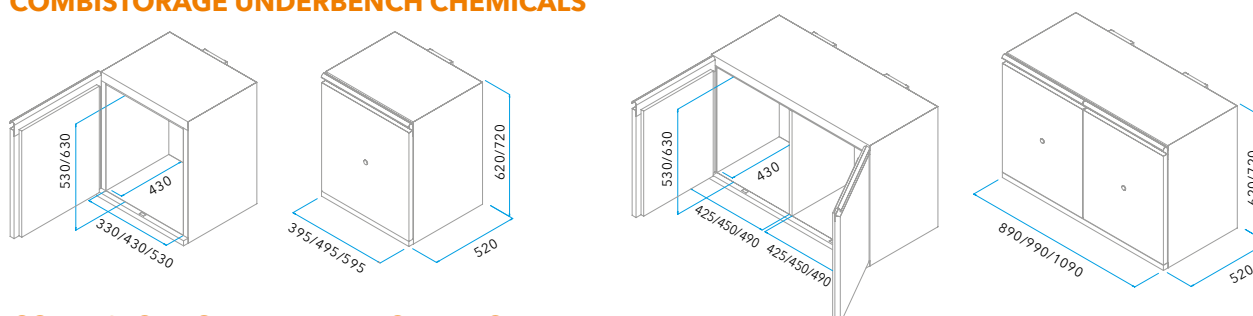CSF606C + CS160AD + base plate CSFZ110

TECHNICAL DRAWINGS

COMBISTORAGE UNDERBENCH FIRE TYPE 90
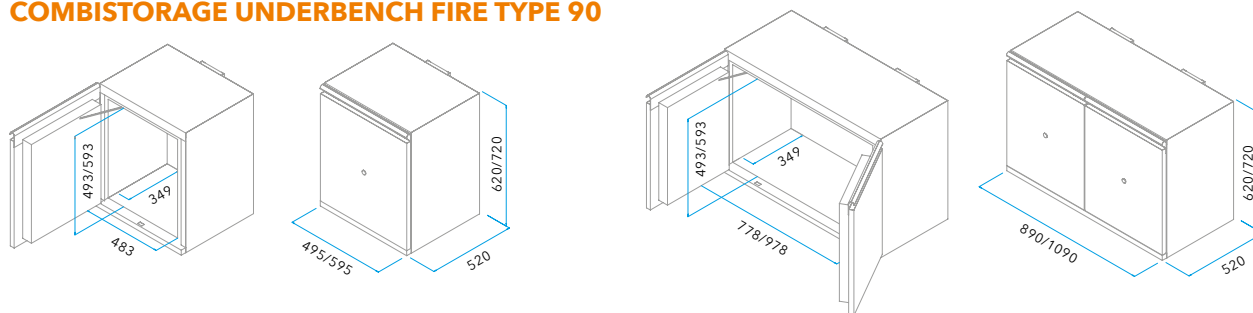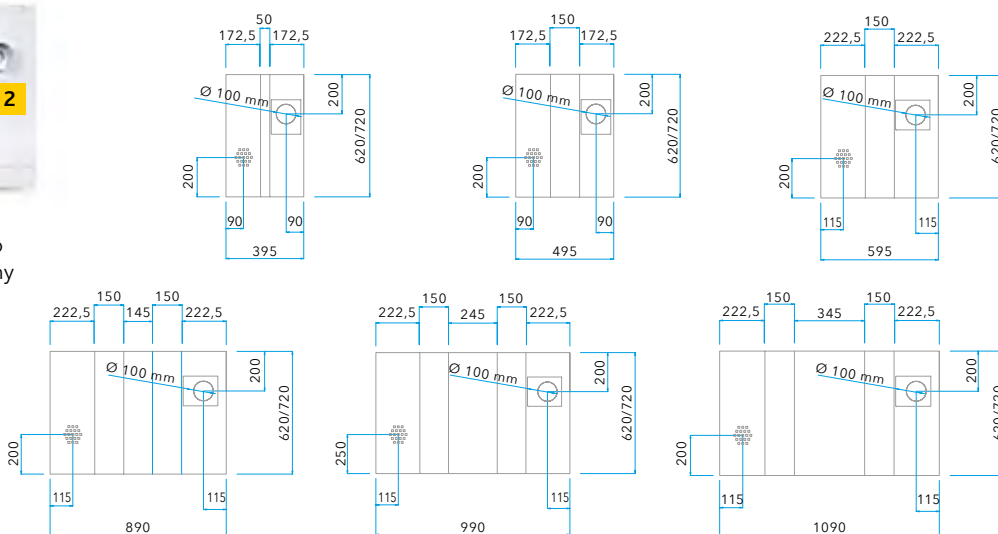

COMBISTORAGE UNDERBENCH CHEMICALS

COMBISTORAGE UNDERBENCH - BACK

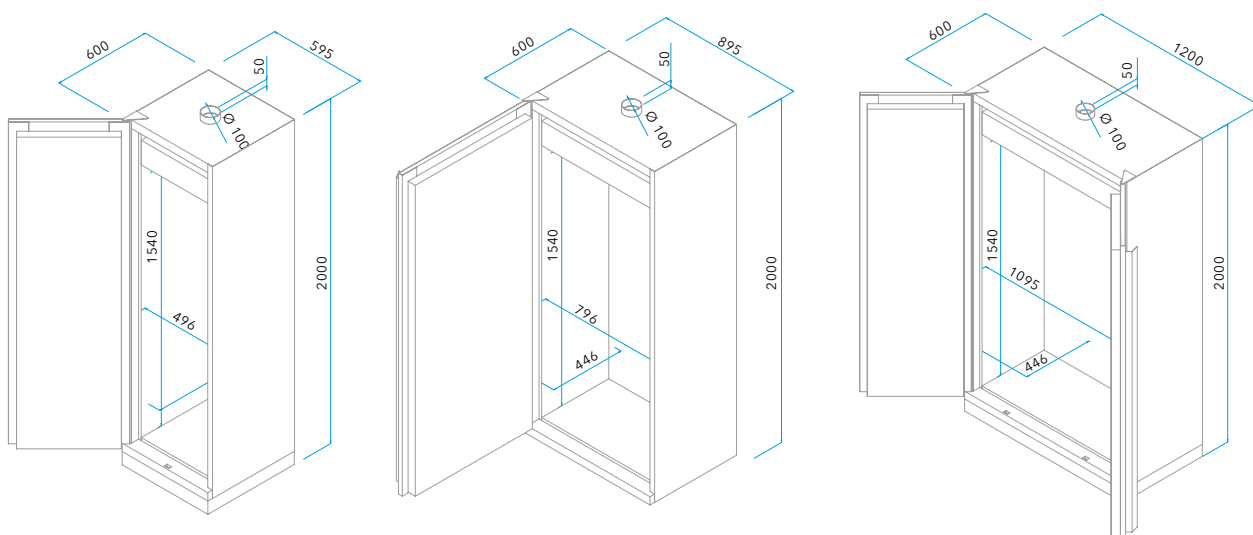**1** New closing system which allows to keep the doors open in any position. Automatic door closing in case the ambient temperature exceeds 50 °C

2 Ventilation system diam. 100 mm

FIRE MY23/COMBISTORAGE/60/90/120

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
SHELVES FOR COMBISTORAGE INFLAMMABLES - shelves tested to fire				
RIPF50V	Additional shelf made of **painted** steel for cabinet with 1 door **W500**	380x320x39	4	12
RIPF50I	Additional shelf made of **stainless** steel for cabinet with 1 door **W500**	380x320x39	4	12
RIPF60V	Additional shelf made of **painted** steel for cabinet with 1 door **W600**	480x320x39	6	15
RIPF60I	Additional shelf made of **stainless** steel for cabinet with 1 door **W600**	480x320x39	6	15
RIPF90V	Additional shelf made of **painted** steel for cabinet with 2 doors **W900**	775 x320x39	9	27
RIPF90I	Additional shelf made of **stainless** steel for cabinet with 2 doors **W900**	775 x320x39	9	27
RIPF100V	Additional shelf made of **painted** steel for cabinet with 2 doors **W1000**	875x320x39	11	28
RIPF100I	Additional shelf made of **stainless** steel for cabinet with 2 doors **W1000**	875x320x39	11	28
RIPF110V	Additional shelf made of **painted** steel for cabinet with 2 doors **W1100**	975x320x39	12	30
RIPF110I	Additional shelf made of **stainless** steel for cabinet with 2 doors **W1100**	975x320x39	12	30
SLIDING SHELVES FOR COMBISTORAGE INFLAMMABLES				
RIPF50VS	Additional sliding shelf made of **painted** steel for S50UBS	284x320x39	4	12
RIPF50IS	Additional sliding shelf made of **stainless** steel for S50UBS	284x320x39	4	12
S50UBS	Frame for pull-out shelf for FIRE 50UB (shelf not included)			
RIPF60VS	Additional sliding shelf made of **painted** steel for S60UBS	384x320x39	5	15
RIPF60IS	Additional sliding shelf made of **stainless** steel for S60UBS	384x320x39	5	15
S60UBS	Frame for pull-out shelf for FIRE 60UB (shelf not included)			
RIPF90VS	Additional sliding shelf made of **painted** steel for S90UBS	608x320x39	8	27
RIPF90IS	Additional sliding shelf made of **stainless** steel for S90UBS	608x320x39	8	27
S90UBS	Frame for pull-out shelf for FIRE 90UB (shelf not included)			
RIPF100VS	Additional sliding shelf made of **painted** steel for S100UBS	708x320x39	10	28
RIPF100IS	Additional sliding shelf made of **stainless** steel for S100UBS	708x320x39	10	28
S100UBS	Frame for pull-out shelf for FIRE 100UB (shelf not included)			
RIPF110VS	Additional sliding shelf made of **painted** steel for S110UBS	808x320x39	11	30
RIPF9110IS	Additional sliding shelf made of **stainless** steel for S110UBS	808x320x39	11	30
S110UBS	Frame for pull-out shelf for FIRE 110UB (shelf not included)			

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
SHELVES FOR COMBISTORAGE ACIDS				
RIPCS140V	Additional shelf made of **plasticated** steel for cabinet with 1 door **W400**	325x400x39	5	9
RIPCS150V	Additional shelf made of **plasticated** steel for cabinet with 1 door **W500**	425x400x39	7	12
RIPCS160V	Additional shelf made of **plasticated** steel for cabinet with 1 door **W600**	525x400x39	8	12
RIPCS190V	Additional shelf made of **plasticated** steel for cabinet with 2 doors **W900**	395x400x39	6	9
RIPCS100V	Additional shelf made of **plasticated** steel for cabinet with 2 doors **W1000** (for acids)	447x400x39	6	12
RIPCS110V	Additional shelf made of **plasticated** steel for cabinet with 2 doors **W1100** (for acids)	493x400x39	7	12
SHELVES FOR COMBISTORAGE BASES				
RIPCS140I	Additional shelf made of **stainless** steel for cabinet with 1 door **W400**	325x400x39	5	9
RIPCS150I	Additional shelf made of **stainless** steel for cabinet with 1 door **W500**	425x400x39	7	12
RIPCS160I	Additional shelf made of **stainless** steel for cabinet with 1 door **W600**	525x400x39	8	12
RIPCS190I	Additional shelf made of **stainless** steel for cabinet with 2 doors **W900**	395x400x39	6	9
RIPCS100I	Additional shelf made of **stainless** steel for cabinet with 2 doors **W1000** (for bases)	447x400x39	6	12
RIPCS110I	Additional shelf made of **stainless** steel for cabinet with 2 doors **W1100** (for bases)	493x400x39	7	12

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
SLIDING SHELVES FOR COMBISTORAGE ACIDS AND BASES				
RIPCS140VS	Additional sliding shelf made of **plasticated** steel for S40ABS	265x395x39	3	9
RIPCS140IS	Additional sliding shelf made of **stainless** steel for S40ABS	265x395x39	3	9
S40ABS	Frame for pull-out shelf for CS 40UB (shelf not included)			
RIPCS150VS	Additional sliding shelf made of **plasticated** steel for S50ABS	365x395x39	5	12
RIPCS150IS	Additional sliding shelf made of **stainless** steel for S50ABS	365x395x39	5	12
S50ABS	Frame for pull-out shelf for CS 50UB (shelf not included)			
RIPCS160VS	Additional sliding shelf made of **plasticated** steel for S60ABS	465x395x39	6	15
RIPCS160IS	Additional sliding shelf made of **stainless** steel for S60ABS	465x395x39	6	15
S60ABS	Frame for pull-out shelf for CS 60UB (shelf not included)			
RIPCS190VS	Additional sliding shelf made of **plasticated** steel for S90ABS	335x395x39	4	9
RIPCS190IS	Additional sliding shelf made of **stainless** steel for S90ABS	335x395x39	4	9
S90ABS	Frame for pull-out shelf for CS 90UB (shelf not included)			
RIPCS100VS	Additional sliding shelf made of **plasticated** steel for S100ABS	387x395x39	5	10
RIPCS100IS	Additional sliding shelf made of **stainless** steel for S100ABS	387x395x39	5	10
S100ABS	Frame for pull-out shelf for CS 100UB (shelf not included)			
RIPCS110VS	Additional sliding shelf made of **plasticated** steel for S110ABS	433x395x39	6	12
RIPCS110IS	Additional sliding shelf made of **stainless** steel for S110ABS	433x395x39	6	12
S110ABS	Frame for pull-out shelf for CS 110UB (shelf not included)			

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm		
ACCESSORIES				
4G SENSOR	Fire/smoke alarm with telephone call, SMS, and email notification			
TIM24	Daily counter			
ESTINTORE	Internal carbon dioxide fire-extinguisher with automatic thermal tripping (62 °C)	Ø 90x280		
KIT4RUOTE	Set of 4 wheels (2 self-locking) for underbench cabinets (H 105 mm)	(A 105 mm)		
KIT4RUOTE/10	Set of 4 wheels (2 self-locking) for underbench cabinets (H 100 mm))	(A 100 mm)		

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø: 125 mm (filter excluded)	290x290x270
CSF100BPAMY23	Fresh air box **ATEX** with power cable and filter box - outlet diameter 125 mm	350x370x500
RSOL	Activated charcoal filter (to replace at least twice a year)	235x110x15
F100FC	Ø 100 mm connecting flange for motor DIAM125BP (compulsory to ventilate the underbench cabinets)	Ø 100 mm
KIT2A	Connection kit for two cabinets (flexible sheath, tee, clamps) (factory assembly)	Ø 100 mm
KIT3A	Connection kit cabinets (flexible sheath, tee, clamps) (factory assembly)	Ø 100 mm
GFKIT100	External connection kit (1 metre of hose diam. 100 mm and 2 clamps)	Ø 100 - W 1000 mm
CS125/100	Ventilation kit for Combistorage acids and bases	
CFNUB	Certified filter unit according to standard NFX15-211 for unerbench cabinets, equipped with wheels, 2 ventilation outlets, with visual and audible alarm	410x570x650
CFNUBL	Filter unit manufactured for underbench cabinets, equipped with wheels, 2 ventilation outlets	410x570x650
CFNCO	Hour counter for CFN	
CSAS	Activated charcoal filter for solvents (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

CHEMISAFE®
SAFETY STORAGE CABINETS

COMBISTORAGE 3C and 4C
Certified according to EN14470-1 (new version 2023), EN61010 and EN16121

CS343MY23

CS342MY23

CS344MY23 + CFN

> **Separate storage of inflammables (EN14470-1 new version 2023) and chemicals (EN61010-1)**

TECHNICAL FEATURES

- Completely made of an electrogalvanized steel plate with a thickness from 1 to 1.5 mm, cold bent - Grey RAL 7035
- External finishing made of acidproof epoxy resin and passage through a thermal tunnel at 200 °C
- Cabinet prearranged for ventilation
- Cabinet equipped with earthing
- Leveling jacks
- ISO 3864: Pictogram signalling
- Certified as fire resistant for **90 minutes**
- Cabinets certified according to standards:
  EN14470-1 (new version 2023), EN61010 and EN16121

COMPARTMENT TYPE 90 FOR INFLAMMABLES

- Cabinet isolation through some high density rock wool panels and some calcium sulphate panels for the inflammable compartment
- Internal finishing with melamine panels highly resistant to chemical and aggressive vapours
- Structure allowing replacing spare parts if necessary
- Automatic door closing when the ambient temperature exceeds 50 °C
- 30 mm thermo-expanding isolation seals that in case of temperature rise ensure a perfect cabinet sealing, according to standard EN14470-1 (new version 2023)
- Air inlet and outlet with fire dampers closing ducts when the temperature is higher than 70 °C according to standard DIN 4102-6
- **Door closing and locking system allowing keeping doors open** and closing them automatically in case of ambient temperature higher than 50 °C
- Spark resistant hinge ensuring a perfect door solidity

- Key lock
- Equipped with three retention shelves and with a retention tray with grid made of painted steel serving as shelf

COMPARTMENT FOR ACIDS/BASES/TOXICS

- Made of two or three compartments with painted plain or glazed doors
- Cabinet body made of galvanized steel

Compartment for Acids

- Two retention shelves made of plasticated steel, whose height can be adjusted
- Door opening with an angle higher than 110
- Key lock
- Complies with standard EN 61010-1 and CEI 66-5
- Storage capacity: 40 bottles holding 1L (20L per shelf)

Compartment for Bases

- Two retention shelves made of stainless steel, whose height can be adjusted
- Door opening with an angle higher than 110°
- Key lock
- Complies with standard EN 61010-1 and CEI 66-5
- Storage capacity: 40 bottles holding 1L (20L per shelf)

Compartment for Toxic

- Two retention shelves made of painted steel, whose height can be adjusted
- Door opening with an angle higher than 110°
- Serratura e chiave
- Complies with standard EN 61010-1 and CEI 66-5
- Storage capacity: 40 bottles holding 1L (20L per shelf)

SERIES COMBISTORAGE 3C and 4C

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CS343MY23	**Combistorage 3** **Inflammables**: 1 plain door **Acids/Bases**: 2 compartments, 2 plain doors	1200x600x1950	Inflammables: 496x446x1540 Acids/Bases: 2 x 590x500x880	Acids: 2 shelves made of **plasticated** steel Bases: 2 shelves made of stainless steel Inflammables: 3 shelves and 1 retention tray with grid made of **painted** steel (max load 60 Kg evenly distributed)	40+40 (Acids/Bases) 120 (Inflammables)	310
CS342MY23	**Combistorage 4** **Inflammables**: 1 plain door **Acids/Bases/Toxics:** 3 compartments, 3 plain doors	1200x600x1950	Inflammables: 496x446x1540 Acids/Bases/ Toxics: 3 x 590x500x580	Acids: 2 shelves made of **plasticated** steel Bases: 2 shelves made of **stainless** steel Toxics: 2 shelves made of **painted** steel Inflammables: 3 shelves and 1 retention tray with grid made of **painted** steel (max load 60 Kg evenly distributed)	40+40+40 (Acids/Bases/ Toxics) 120 (Inflammables)	313
CS344MY23	**Combistorage 4** **Inflammables**: 1 plain door **Acids/Bases/Toxics:** 3 compartments, 3 glazed doors	1200x600x1950	Inflammables: 496x446x1540 Acids/Bases/ Toxics: 3 x 590x500x580	Acids: 2 shelves made of **plasticated** steel Bases: 2 shelves made of **stainless** steel Toxics: 2 shelves made of **painted** steel Inflammables: 3 shelves and 1 retention tray with grid made of **painted** steel (max load 60 Kg evenly distributed)	40+40+40 (Acids/Bases/ Toxics) 120 (Inflammables)	315

*Approximate capacity in bottles holding 1 litre per cabinet

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
RIP60VMY23	Additional shelf made of **painted** steel for inflammable compartment	493x420x39	7	30
RIP60MY23	Additional shelf made of **stainless** steel for inflammable compartment	493x420x39	7	30
RIPCS60	Additional fixed shelf made of **plasticated** steel for acid	485x545x30	9	35
RIPX60	Additional fixed shelf made of **stainless** steel for basis compartment	485x545x30	9	35
RIP60SC	« Sliding shelf »: sliding system to be added to the shelf (only for cabinets with 1 door or cabinets with 2 compartments)			
RIPGI	Additional rotating shelf for cabinet with 1 door			
VACS60	Additional retention tray made of **plasticated** steel for acid or toxics	485x545x60	18	35
VA60PP	Additional retention tray made of **polypropylene**	485x545x30	18	35
CHEMIROLL	Wheel board to move the cabinets			
4G SENSOR	Fire/smoke alarm with telephone call, SMS, and email notification			
TIM24	Daily counter			
ESTINTORE	Internal carbon dioxide fire-extinguisher with automatic thermal tripping (62 °C)	Ø 90x280		

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxPxH) mm
CSF120MY23	Suction system for Combistorage 3C and 4C - outlet Ø: 100 mm	1200x510x300
BP100MY23	Filter box	-
RSOL	Activated charcoal filter for inflammable compartment - (to replace at least twice a year)	235x110x15
GFKIT100	External connection kit (1 metre of flexible people diam 100 mm and 2 clamps)	Ø 100 - L 1000 mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211, with visual and audible alarm	570x500x250
CFNL	Molecular filtration box manufactured, without alarm	570x500x250
CFNCO	Hour counter for CFN	
ADMY23CFN	Adapter for CFN box	850x500x80
CSAS	Activates charcoal filter for solvents (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

CHEMISAFE SAFETY STORAGE CABINETS

Series **COMBISTORAGE 120 FIRE TYPE 90**

Certified according to EN14470-1
(new version 2023), EN61010 and EN16121

CSF232/4CMY23

CSF232/2CMY23

CSF232/3CMY23

> The maximum safety for all your products.
> Partitioned cabinet completely fire-resistant TYPE 90

TECHNICAL FEATURES

- Completely made of a galvanized steel plate with a thickness from 1 to 1.5 mm, cold bent - Grey RAL 7035
- External finishing made of acidproof epoxy resin and passage through a thermal tunnel at 200 °C
- Cabinet isolation through some high density rock wool panels and some calcium sulphate panels
- Internal finishing with melamine panels highly resistant to chemical and aggressive vapours
- Structure allowing replacing spare parts if necessary
- Automatic door closing when the ambient temperature exceeds 50 °C
- 30 mm thermo-expanding isolation seals that in case of temperature rise ensuring a perfect cabinet sealing, according to standard EN14470-1
- Air inlet and outlet with certified fire dampers closing ducts when the temperature exceeds 70 °C according to standard DIN 4102-6
- Prearrangement for ventilation through a Ø 100 mm flange for an external connection or a filtering ventilation system (see the chapter on ventilation)
- **Door closing and locking system allowing keeping the doors open** and closing them automatically if the ambient temperature is higher than 50 °C
- Spark resistant hinge ensuring a perfect door solidity
- Cabinet equipped with earthing
- Leveling jacks
- Door key lock

- Shelves made of painted steel or of stainless steel whose height can be adjusted
- Shelf fastening on some aluminium or copper eyelets excluding any spark risk
- Shelves tested to fire
- ISO 3864: Pictogram signalling
- Cabinets certified according to standards EN14470 and EN16121

INTERNAL COMPARTMENTS to store various families of chemicals:

- Separation by means of panels made of HPL with a thickness of 18 mm coated with thermo-expanding seals (possibility of having up to 3 compartments and of customizing compartments - please contact us)

Compartment for Inflammables

- 3 retention shelves whose height can be adjusted and 1 retention tray with grid made of epoxy painted steel

Compartment for Toxics

- 1 retention shelf whose height can be adjusted made of epoxy painted steel

Compartment for Acids

- 2 retention shelves whose height can be adjusted made of epoxy plasticated steel

Compartment for Bases

- 2 retention shelves whose height can be adjusted made of stainless steel

SERIES COMBISTORAGE FIRE 120 TYPE 90

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CSF232/2CMY23	Cabinet series **COMBISTORAGE T90** with 2 doors 2 compartments	1200x600x1950	540+540x446x1540	COMPARTMENT FOR INFLAMMABLES: 3 shelves made of **painted** steel + 1 retention tray with grid COMPARTMENT FOR ACIDS/BASES: 3 shelves made of **plasticated** steel (max load 60 Kg evenly distributed)	180	355
CSF232/3CMY23	Cabinet series **COMBISTORAGE T90** with 2 doors 3 compartments	1200x600x1950	540+540x446x1540 (760+760 compartment for acids/bases)	COMPARTMENT FOR INFLAMMABLES: 3 shelves made of **painted** steel + 1 retention tray with grid COMPARTMENT FOR ACIDS: 2 shelves made of **plasticated** steel COMPARTMENT FOR BASES: 2 shelves made of **stainless** steel (max load 60 Kg evenly distributed)	240	360
CSF232/4CMY23	Cabinet series **COMBISTORAGE T90** with 2 doors 4 compartments	1200x600x1950	540+540x446x1540 (600+600+300 for compartment for acids/bases/toxics)	COMPARTMENT FOR INFLAMMABLES: 3 shelves made of **painted** steel + 1 retention tray with grid COMPARTMENT FOR ACIDS: 2 shelves made of **plasticated** steel COMPARTMENT FOR BASES: 2 shelves made of **stainless** steel COMPARTMENT FOR TOXICS: 1 shelf made of **painted** steel (max load 60 Kg evenly distributed)	270	365

*Approximate capacity in bottles holding 1 litre per cabinet

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
CSF85P	Additional shelf made of **stainless** steel for basis compartment	536x420x39	7	30
CSF45P	Additional shelf made of **painted** steel for inflammable and toxics compartment	536x420x39	7	30
CSF65P	Additional shelf made of epoxy **plasticated** steel for acid compartment	536x420x39	7	30
S45S	Frame for pull-out shelf for CSF232/2C-3C-4C (shelf not included)	-	-	-
CSF65SC	Additional sliding shelf made of **plasticated** steel for S45S	439x420x39	7	30
RIP85SC	Additional sliding shelf made of **stainless** steel for S45S	439x420x39	7	30
CSF45SC	Additional sliding shelf made of epoxy **painted** steel for S45S	439x420x39	7	30
CHEMIROLL	Wheel board to move the cabinets			
4G SENSOR	Fire/smoke alarm with telephone call, SMS, and email notification			
TIM24	Daily counter			
ESTINTORE	Internal carbon dioxide fire-extinguisher with automatic thermal tripping (62 °C)	Ø 90x280		

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxPxH) mm
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø: 125 mm (filter excluded)	290x290x270
CSF100BPAMY23	Fresh air box **ATEX** with power cable and filter box - outlet diam. 125 mm	350x370x500
RSOL	Activated charcoal filter (to replace at least twice a year)	235x110x15
GFKIT100	External connection kit (1 metre of hose diam 100 mm and 2 clamps)	Ø 100 - L 1000 mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211, with visual and audible alarm	570x500x250
CFNL	Molecular filtration box manufactured, without alarm	570x500x250
CFNCO	Hour counter for CFN	
CSAS	Activated charcoal filter for solvents (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

Series COMBISTORAGE 60 FIRE TYPE 90
Certified according to EN14470-1 (new version 2023) and EN16121

CSF239/2CMY23

CSF239/3CMY23

The maximum safety for all your products.
Partitioned cabinet completely fire-resistant TYPE90

TECHNICAL FEATURES

- Completely made of an electrogalvanized steel plate with a thickness from 1 to 1.5 mm, cold bent - Grey RAL 7035
- External finishing made of acidproof epoxy resin and passage through a thermal tunnel at 200 °C
- Cabinet isolation through some high density rock wool panels and some calcium sulphate panels
- Internal finishing with melamine panels highly resistant to chemical and aggressive vapours
- Structure allowing replacing spare parts if necessary
- Automatic door closing when the ambient temperature exceeds 50 °C
- 30 mm thermo-expanding isolation seals that in case of temperature rise ensure a perfect cabinet sealing, according to standard EN14470-1
- Air inlet and outlet with certified fire dampers closing ducts when the temperature exceeds 70°C according to standard DIN 4102-6
- Prearrangement for ventilation through a Ø 100 mm flange for an external connection or a filtering ventilation system (see the chapter on ventilation)
- Door closing and locking system allowing keeping the doors open and closing them automatically if the ambient temperature is higher than 50 °C
- Spark resistant hinge ensuring a perfect door solidity
- Cabinet equipped with earthing
- Leveling jacks

- Door key lock
- Shelf made of painted steel or stainless steel whose height can be adjusted
- Shelf fastening on some aluminium eyelets excluding any spark risk
- Shelves tested to fire
- ISO 3864: Pictogram signalling
- Cabinets certified according to standards EN14470-1 and EN16121

INTERNAL COMPARTMENTS to store various families of chemicals:

- Separation by means of panels made of HPL with a thickness of 18 mm coated with thermo-expanding seals (possibility of having up to 3 compartments and of customizing compartments - please contact us):

Compartment for Inflammables
- 1 retention shelf whose height can be adjusted and 1 retention tray with grid made of epoxy painted steel

Compartment for Acids
- 1 retention shelf whose height can be adjusted made of plasticated steel

Compartment for Bases
- 1 retention shelf whose height can be adjusted made of stainless steel

SERIES COMBISTORAGE FIRE 60 TYPE 90

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CSF239/2CMY23**	Cabinet series **COMBISTORAGE T90** with 1 door 2 compartments	595x600x1950	496x446x680+842	COMPARTMENT FOR INFLAMMABLES: 1 shelf made of **painted** steel + 1 retention tray with grid COMPARTMENT FOR ACIDS/BASES: 3 shelves made of **plasticated** steel (max load 60 Kg evenly distributed)	80/100	215
CSF239/3CMY23**	Cabinet series **COMBISTORAGE T90** with 1 door 3 compartments	595x600x1950	496x446x680+842	COMPARTMENT FOR INFLAMMABLES: 1 shelf made of **painted** steel + 1 retention tray with grid COMPARTMENT FOR ACIDS: 2 shelves made of **plasticated** steel COMPARTMENT FOR BASES: 1 shelf made of **stainless** steel (max load 60 Kg evenly distributed)	80/100	220

*Approximate capacity in bottles holding 1 litre per cabinet

** Left door opening. Add « D » to the item code for the right door opening

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
RIP60VMY23	Additional shelf made of **painted** steel for inflammable compartment	493x420x39	7	30
RIP60MY23	Additional shelf made of **stainless** steel for inflammable compartment	493x420x39	7	30
RIP60MY23P	Additional shelf made of **plasticated** steel for acid compartment	493x420x39	7	30
S60S	Frame for pull-out shelf for FIRE 60 (shelf not included)			
RIP60VS	Additional sliding shelf made of **painted** steel for S60S	439x420x39	7	30
RIP60IS	Additional sliding shelf made of **stainless** steel for S60S	439x420x39	7	30
RIPGI	Additional rotating shelf for cabinet with 1 door			
CHEMIROLL	Wheel board to move the cabinets			
4G SENSOR	Fire/smoke alarm with telephone call, SMS, and email notification			
TIM24	Daily counter			
ESTINTORE	Internal carbon dioxide fire-extinguisher with automatic thermal tripping (62 °C)	Ø 90x280		

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxPxH) mm
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø: 125 mm (filter excluded)	290x290x270
CSF100BPAMY23	Fresh air box **ATEX** with power cable and filter box - outlet diam. 125 mm	350x370x500
RSOL	Activated charcoal filter (to replace at least twice a year)	235x110x15
GFKIT100	External connection kit (1 metre of hose diam 100 mm and 2 clamps)	Ø 100 - L 1000 mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211, with visual and audible alarm	570x500x250
CFNL	Molecular filtration box manufactured, without alarm	570x500x250
CFNCO	Hour counter for CFN	
CSAS	Activated charcoal filter for solvents (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

CHEMISAFE SAFETY STORAGE CABINETS

CHEMISAFE®
SAFETY STORAGE CABINETS

Series CHEMICALS
With fan ad filter included
Plain and glazed doors
Certified according to EN61010-1, EN16121 and CEI 66-5

CS103G

CS104

CS106G

CS106

CS103

These safety cabinets solve the problem of storing dangerous liquids

📢 TECHNICAL FEATURES

- Constructed in FE P01 grade, 10/10 thickness, electro-galvanized steel sheet (Skin passat) cold pressed and coated, following pre-treatment for removing grease, with an initial epoxy base application and two further thermo-hardening powder applications, oven-set at 200 °C
- "Monolithic" design, with adjustable feet at the base to allow the structure to be properly levelled
- "Sandwich-wall", reversible doors are constructed in the same materials and come complete with handles incorporating safety closures and locks
- CE marked, electro extraction fan with self-extinguishing polymer housing, which is antistatic and corrosion resistant
- Fuse protection: 5x20 mm, 1A quick blow
- Extraction fan capacity: 325 cu. m/h maximum
- Power supply: 220-230V 50Hz, single phase
- Rating: 74 W

- Top-mounted, activated carbon filter suitable for acidic substances, with pre-filter. Easy filter replacement behind a hinged panel with key-lock
- Handles fitted with lock and key
- 10/10 mm thick steel, tray-type shelves for retaining potential spilt liquid in the event of container breakage or leakage due to expansion of contents. Fully adjustable shelf height
- Doors open to 110° which allows internal shelves to be removed without having to incline them
- Multilingual safety signs indicate the presence of dangerous and toxic products to highlight contents and storage limitations
- Standardized pictograms according to standards ISO 3864
- Key lock
- **Complying with standards EN61010-1, EN16121 and CEI 66-5**

SERIES CHEMICALS

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CS103	Cabinet with 1 door left handle	600x600x1900 (1600+300)	550x550x1500	3 **plasticated** shelves (max load 40 Kg evenly distributed)	75	80
CS103G	Cabinet with 1 glazed door left handle	600x600x1900 (1600+300)	550x550x1500	3 **plasticated** shelves (max load 40 Kg evenly distributed)	75	80
CS104	Cabinet with 2 doors 2 compartments left handle	600x600x1900 (1600+300)	550x550x1500	Upper compartment: 2 **plasticated** steel full-width shelves for acids; Bottom compartment: 2 **stainless** steel full-width shelves for bases	100	85
CS104G	Cabinet with 2 glazed doors 2 compartments left handle	600x600x1900 (1600+300)	550x550x1500	Upper compartment: 2 **plasticated** steel full-width shelves for acids; Bottom compartment: 2 **stainless** steel full-width shelves for bases	100	85
CS106	Cabinet with 2 doors	1140x600x1900 (1600+300)	1080x550x1500	3 **plasticated** shelves (max load 80 Kg evenly distributed)	100	125
CS106G	Cabinet with 2 glazed doors	1140x600x1900 (1600+300)	1080x550x1500	3 **plasticated** shelves (max load 80 Kg evenly distributed)	100	125

*Approximate capacity in bottles holding 1 litre per cabinet

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
RIPCS60	Additional fixed shelf made of **plasticated** steel for cabinet with 1 door	485x545x30	9	35
RIPCS120	Additional fixed shelf made of **plasticated** steel for cabinet with 2 doors	1025x545x30	19	70
RIPX60	Additional fixed shelf made of **stainless** steel for cabinet with 1 door	485x545x30	9	35
RIPX120	Additional fixed shelf made of **stainless** steel for cabinet with 2 doors	1025x545x30	19	70
DIV120	Central division for cabinet CS106 and CS106G - with 2 doors			
RIP60SC	«Sliding shelf»: Sliding system to be added to the shelf (only for cabinet with 1 door or cabinet with 2 compartments)			
RIP60PI	Additional shelf made of **polypropylene** (on request) for cabinet with 1 door			
RIP120PI	Additional shelf made of **polypropylene** (on request) for cabinet with 2 door			
ZOCPALCS60	Palletized plinth for CS 60			
ZOCPALCS120	Palletized plinth for CS 120			
VACS60	Additional retention tray made of **plasticated** steel for cabinet with 1 door	485x545x60	18	35
VACS120	Additional retention tray made of **plasticated** steel for cabinet with 2 doors	1025x545x60	39	70
VA60PP	Additional retention tray made of **polypropylene** steel for cabinet with 1 door	485x545x30	18	35
VA120PP	Additional retention tray made of **polypropylene** steel for cabinet with 2 doors	1025x545x30	39	70
TIM24	Daily counter			
ALLARME	Alarm system for «open doors»			

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
2CP104	Fresh air box with panelling for cabinet with 1 door - connecting Ø 125 mm	600x600x300
2CP106	Fresh air box with panelling for cabinet with 2 doors - connecting Ø 125 mm	1140x600x300
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø: 125 mm (filter excluded)	290x290x270
RSOLCA	Activated charcoal filter for motor DIAM125BP - (to replace at least twice a year)	235x110x15
RE1000	Fan flow controller (to be ordered with the fan DIAM125BP)	
GFKIT125	Connection kit: 1 metre of flexible sheath Ø 125 mm and 2 clamps	Ø 125 mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211, with visual and audible alarm	570x500x250
CFNL	Molecular filtration box manufactured, without alarm	570x500x250
CFNCO	Hour counter for CFN	
CSAS	Activated charcoal filter for solvents (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15
RFCS60	Filter for 60 Basic (spare part for CS60 and CS60A+B)	
RFCS120	Filter for 120 Basic (spare part for CS120)	

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

CHEMISAFE SAFETY STORAGE CABINETS

Series CHEMICALS BASIC
Plain and glazed doors
Certified according to EN61010-1, EN16121 and CEI 66-5

CS102G

CS102

CS105

CS105G

These safety cabinets solve the problem of storing dangerous liquids

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📢 TECHNICAL FEATURES:

- Constructed in FE P01 grade, 10/10 thickness, electro-galvanized steel sheet (Skin passat) cold pressed and coated, following pre-treatment for removing grease, with an initial epoxy base application and two further thermo-hardening powder applications, oven-set at 200 °C
- "Monolithic" design, with adjustable feet at the base to allow the structure to be properly levelled
- "Sandwich-wall", reversible doors are constructed in the same materials and come complete with handles incorporating safety closures and locks
- Top-mounted, activated carbon filter (optional) suitable for acidic substances, with pre-filter. Easy filter replacement behind a hinged panel with key-lock

- Handles fitted with lock and key
- 10/10 mm thick steel, tray-type shelves for retaining potential spilt liquid in the event of container breakage or leakage due to expansion of contents. Fully adjustable shelf height
- Doors open to 110° which allows internal shelves to be removed without having to incline them
- Multilingual safety signs indicate the presence of dangerous and toxic products to highlight contents and storage limitations
- Standardized pictograms according to standards ISO 3864
- Key lock
- **Complying with standards EN61010-1, EN16121 and CEI 66-5**

SERIES CHEMICALS BASIC

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CS102	Cabinet with 1 door left handle	600x600x1600	550x550x1500	3 **plasticated** shelves (max load 40 Kg evenly distributed)	75	70
CS102G	Cabinet with 1 glazed door left handle	600x600x1600	550x550x1500	3 **plasticated** shelves (max load 40 Kg evenly distributed)	75	75
CS105	Cabinet with 2 doors	1140x600x1600	1080x550x1500	3 **plasticated** shelves (max load 80 Kg evenly distributed)	100	110
CS105G	Cabinet with 2 glazed doors	1140x600x1600	1080x550x1500	3 **plasticated** shelves (max load 80 Kg evenly distributed)	100	115

*Approximate capacity in bottles holding 1 litre per cabinet

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
RIPCS60	Additional fixed shelf made of **plasticated** steel for cabinet with 1 door	485x545x30	9	35
RIPCS120	Additional fixed shelf made of **plasticated** steel for cabinet with 2 doors	1025x545x30	19	70
RIPX60	Additional fixed shelf made of **stainless** steel for cabinet with 1 door	485x545x30	9	35
RIPX120	Additional fixed shelf made of **stainless** steel for cabinet with 2 doors	1025x545x30	19	70
DIV120	Central division for cabinet CS106 and CS106G - with 2 doors			
RIP60SC	«Sliding shelf»: Sliding system to be added to the shelf (only for cabinet with 1 door or cabinet with 2 compartments)			
RIP60PI	Additional shelf made of **polypropylene** (on request) for cabinet with 1 door			
RIP120PI	Additional shelf made of **polypropylene** (on request) for cabinet with 2 door			
ZOCPALCS60	Palletized plinth for CS 60			
ZOCPALCS120	Palletized plinth for CS 120			
VACS60	Additional retention tray made of **plasticated** steel for cabinet with 1 door	485x545x60	18	35
VACS120	Additional retention tray made of **plasticated** steel for cabinet with 2 doors	1025x545x60	39	70
VA60PP	Additional retention tray made of **polypropylene** steel for cabinet with 1 door	485x545x30	18	35
VA120PP	Additional retention tray made of **polypropylene** steel for cabinet with 2 doors	1025x545x30	39	70
TIM24	Daily counter			
ALLARME	Alarm system for «open doors»			

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
2CP104	Fresh air box with panelling for cabinet with 1 door - connecting Ø 125 mm	600x600x300
2CP106	Fresh air box with panelling for cabinet with 2 doors - connecting Ø 125 mm	1140x600x300
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø: 125 mm (filter excluded)	290x290x270
RSOLCA	Activated charcoal filter for motor DIAM125BP - (to replace at least twice a year)	235x110x15
RE1000	Fan flow controller (to be ordered with the fan DIAM125BP)	
GFKIT125	Connection kit: 1 metre of flexible sheath Ø 125 mm and 2 clamps	Ø 125 mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211, with visual and audible alarm	570x500x250
CFNL	Molecular filtration box manufactured, without alarm	570x500x250
CFNCO	Hour counter for CFN	
CSAS	Activated charcoal filter for solvents (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15
RFCS60	Filter for 60 Basic (spare part for CS60 and CS60A+B)	
RFCS120	Filter for 120 Basic (spare part for CS120)	

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

STORAGE CABINETS FOR CHEMICALS AND CORROSIVE SUBSTANCES

CHEMISAFE®
SAFETY STORAGE CABINETS

Series High density PVC
Plain doors
Certified according to EN 61010-1

It is ideal for storing very aggressive chemicals

CS102PVC

CS103PVC

CS104BPVC

CS104PVC

CS105PVC

CS106PVC

CS101PVC

CS100PVC

📢 TECHNICAL FEATURES

- Completely manufactured from 18 mm thickness of PVC HD
- Cover fan and plinth completely manufactured from 1,0 mm thickness steel sheet, cold pressed, epoxy coated with acid resistant epoxy powders electro-statically applied at a temperature of 200 °C, which ensures a layer thickness higher than 90 microns on the whole surface of the cabinet
- One-piece structure built on a 15/10 mm plinth with leveling jacks
- Division in 2, 3 or 4 compartments for storing separately the different families of not flammable chemical products
- Single- wall hinged plain doors

- Key lock
- Door opening with an angle of 110° allowing extracting the shelves without tilting them
- External hinge made of plastic resistant to corrosion
- Compartments equipped with retention shelves made in PVC whose height can be adjusted
- Ø 125 mm connection collar
- Available with or without ventilation unit
- Modular solutions
- Basin form shelf
- Standardized pictograms according to standards 3864
- **Complying with standards EN 61010-1**

SERIES Hight density PVC

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CS102PVC	Cabinet with 1 door 1 compartment	600x600x1600	562x562x1470	3 **PVC** shelves (max load 40 Kg evenly distributed)	75	77
CS103PVC	Cabinet with 1 door 1 compartment Fan anf filter included	600x600x1900	562x562x1470	3 **PVC** shelves (max load 40 Kg evenly distributed)	75	85
CS104BPVC	Cabinet with 2 doors 2 compartments stacked one on top of the other	600x600x1600	562x562x1470	2 **PVC** shelves per compartment (max load 40 Kg evenly distributed)	100	78
CS104PVC	Cabinet with 2 doors 2 compartments stacked one on top of the other Fan anf filter included	600x600x1900	550x550x1470	2 **PVC** shelves per compartment (max load 40 Kg evenly distributed)	100	86
CS105PVC	Cabinet with 2 doors 2 compartments (vertical partition wall)	1140x600x1600	1102x562x1470	3 **PVC** shelves per compartment (max load 40 Kg evenly distributed)	150	87
CS106PVC	Cabinet with 2 doors 2 compartments (vertical partition wall) Fan anf filter included	1140x600x1900	1102x562x1470	3 **PVC** shelves per compartment (max load 40 Kg evenly distributed)	150	99
CS101PVC	Underbench cabinet with 1 door	600x500x790	562x462x686	2 **PVC** shelves (max load 40 Kg evenly distributed)	50	32
CS100PVC	Underbench cabinet with 2 doors 2 compartments	1140x500x790	1102x462x686	2 **PVC** shelves per compartment (max load 40 Kg evenly distributed)	100	43

*Approximate capacity in bottles holding 1 litre per cabinet

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
RIP60WPVC	**PVC** shelf for PVC cabinet 60			
RIP120WPVC	**PVC** shelf for PVC cabinet 120			
RIP60UBPVC	**PVC** shelf for PVC cabinet 60 UB			
RIP120UBPVC	**PVC** shelf for PVC cabinet 120 UB			
TIM24	Daily counter			
ALLARME	Alarm system for «open doors»			

*Approximate capacity in bottles holding 1 litre per cabinet

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors- outlet Ø 125 mm (filter excluded)	290x290x270
RSOLCA	Activated charcoal filter for motor DIAM125BP - (to replace at least twice a year)	235x110x15
F100FC	Ø 100 mm connecting flange for motor DIAM125BP (compulsory to ventilate the underbench cabinets)	Ø 100 mm
RE1000	Fan flow controller (to be ordered with the fan DIAM125BP)	
GFKIT125	Connection kit: 1 metre of flexible sheath Ø 125 mm and 2 clamps	Ø 125 mm
RFCS60	Spare filter for 600 mm exhausted cabinet	
RFCS120	Spare filter for 1140 mm exhausted cabinet	

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

CHEMISAFE SAFETY STORAGE CABINETS

Series WOODLINE
With fan ad filter included
Plain doors
Certified according to EN61010-1, EN16121 and CEI 66-5

Panels made of HPL resistant to corrosion

CS106W   CS103W   CS104W

📢 TECHNICAL FEATURES

- Cabinet body made of waterproof agglomerate coated with plastic melamine HPL fireproof F1 with rounded edges Grey RAL 7035
- Removable construction with leveling jacks on a metal base plate
- Metal parts (hinges, clips, guides) painted against corrosion
- Door opening with an angle higher than 110°
- Key lock
- Two separate compartments (on cabinets with two doors)
- High cabinets equipped with 2 fixed retention shelves made of PVC per compartment, whose height can be adjusted

- Underbench cabinets equipped with two removable drawers with retention tray made of polypropylene (fixed with velcro), per compartment
- Underbench cabinets placed on a metal base plate with a height of 60 mm
- Max load per shelf: 40 Kg evenly distributed
- Cushioning system of doors and drawers
- Ø 125 mm connection collar
- Standardized pictograms according to standards ISO 3864
- **Complying with standards EN61010-1, EN16121 and CEI 66-5**

SERIES WOODLINE

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CS103W	Cabinet with 1 door left handle	600x600x1900 (1600+300)	550x550x1500	3 shelves made of **PVC** (charge max 40 Kg evenly distributed)	75	85
CS104W	Cabinet with 2 doors 2 compartments left handle	600x600x1900 (1600+300)	550x580x1500	Upper compartment: 2 shelves made of **PVC** full-width shelves for acids; Bottom compartment: 2 shelves made of **PVC** full-width shelves for bases	100	86
CS106W	Cabinet with 2 doors	1140x600x1900 +60 (base plate)	1090x580x1500	2 shelves made of **PVC** per compartment (max load 40 Kg evenly distributed)	100	99

*Approximate capacity in bottles holding 1 litre per cabinet

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
RIP60WPVC	**PVC** shelf for cabinet 60			
RIP120WPVC	**PVC** shelf for cabinet 120			
TIM24	Daily counter			

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø 125 mm (filter excluded)	290x290x270
RSOLCA	Activated charcoal filter for motor DIAM125BP - (to replace at least twice a year)	235x110x15
RE1000	Fan flow controller (to be ordered with the fan DIAM125BP)	
GFKIT125	Connection kit: 1 metre of flexible sheath Ø 125 mm and 2 clamps	Ø 125 mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211	570x500x250
CFNL	Molecular filtration box manufactured, without alarm	570x500x250
CFNCO	Hour counter for CFN	
CFNUB	Fresh air box certified according to standard NFX15-211 for underbench cabinets, equipped with wheels, 2 ventilation outlets	410x570x650
CFNUBL	Fresh air box for underbench cabinets, equipped with wheels, 2 ventilation outlets without alarm	410x570x650
CSAS	Activated charcoal filter for solvents (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15
RFCS60	Filter for 60 Basic (spare part for CS60 and CS60A+B)	
RFCS120	Filter for 120 Basic (spare part for CS120)	

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

STORAGE CABINETS FOR CHEMICALS AND CORROSIVE SUBSTANCES

CHEMISAFE SAFETY STORAGE CABINETS

CHEMISAFE®
SAFETY STORAGE CABINETS

EN 61010-1 16121

Series **WOODLINE BASIC**
Plain doors

Panels made of HPL resistant to corrosion

Certified according to EN61010-1, EN16121 and CEI 66-5

CS105W

CS102W

TECHNICAL FEATURES

- Cabinet body made of waterproof agglomerate coated with plastic melamine HPL fireproof F1 with rounded edges Grey RAL 7035
- Removable construction with leveling jacks on a metal base plate
- Metal parts (hinges, clips, guides) painted against corrosion
- Door opening with an angle higher than 110°
- Key lock
- Two separate compartments (on cabinets with two doors)
- High cabinets equipped with 2 fixed retention shelves made of PVC per compartment, whose height can be adjusted

- Underbench cabinets equipped with two removable drawers with retention tray made of polypropylene (fixed with velcro), per compartment
- Underbench cabinets placed on a metal base plate with a height of 60 mm
- Max load per shelf: 40 Kg evenly distributed
- Cushioning system of doors and drawers
- Ø 125 mm connection collar
- Standardized pictograms according to standards ISO 3864
- **Complying with standards EN61010-1, EN16121 and CEI 66-5**

SERIES WOODLINE BASIC

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CS102W	Cabinet with 1 door left handle	600x600x1600	550x550x1500	3 shelves made of **PVC** (charge max 40 Kg evenly distributed)	75	85
CS105W	Cabinet with 2 doors 2 compartments	1140x600x1600	1090x580x1500	2 shelves made of **PVC** per compartment (max load 40 Kg evenly distributed)	100	120

*Approximate capacity in bottles holding 1 litre per cabinet

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
RIP60WPVC	**PVC** shelf for cabinet 60			
RIP120WPVC	**PVC** shelf for cabinet 120			
TIM24	Daily counter			

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø 125 mm (filter excluded)	290x290x270
RSOLCA	Activated charcoal filter for motor DIAM125BP - (to replace at least twice a year)	235x110x15
RE1000	Fan flow controller (to be ordered with the fan DIAM125BP)	
GFKIT125	Connection kit: 1 metre of flexible sheath Ø 125 mm and 2 clamps	Ø 125 mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211	570x500x250
CFNL	Molecular filtration box manufactured, without alarm	570x500x250
CFNCO	Hour counter for CFN	
CFNUB	Fresh air box certified according to standard NFX15-211 for underbench cabinets, equipped with wheels, 2 ventilation outlets	410x570x650
CFNUBL	Fresh air box for underbench cabinets, equipped with wheels, 2 ventilation outlets without alarm	410x570x650
CSAS	Activated charcoal filter for solvents (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15
RFCS60	Filter for 60 Basic (spare part for CS60 and CS60A+B)	
RFCS120	Filter for 120 Basic (spare part for CS120)	

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

Series CS
Plain doors

Certified according to EN61010-1, EN16121 and CEI 66-5

The certified solution for storing all your families of chemicals

CS103P   CS104P/2C   CS104P/3C

CS106P   CS104P/4C   CS103PS
with additional shelves
RIPCS60+RIP60SC

📢 TECHNICAL FEATURES

- Completely made of an electrogalvanized steel plate with a thickness of 10/10 mm, cold bent - Grey RAL 7035
- External finishing made of acidproof epoxy resin and passage through a thermal tunnel at 200 °C
- Construction in one piece with jacks to level the cabinet
- Plain swing doors or with double wall
- Key lock
- Door opening with an angle of 110° allowing extracting shelves without tilting them

- Equipped with fixed retention shelves made of plasticated/painted/stainless steel, whose height can be adjusted
- Possibility of having some sliding shelves with W600 mm
- Possibility of having a retention tray on the cabinet bottom (see the table below)
- Ø 125 mm connection collar
- Standardized pictograms according to standards ISO 3864
- **Complying with standards EN61010-1, EN16121 and CEI 66-5**

SERIES CS PLAIN DOORS

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
FIXED SHELVES						
CS103P	Cabinet 1 door Left handle	600x600x1950	595x567x1864	3 shelves made of **plasticated** steel (max load 40 Kg evenly distributed)	100	78
CS106P	Cabinet 2 doors 1 compartment	1140x600x1950	1025x567x1864	3 shelves made of **plasticated** steel (max load 80 Kg evenly distributed)	200	120
CS104P/2C	Cabinet COMBICHEM 2C 2 doors 2 superimposed compartments	600x600x1950	595x567x930+930	2 shelves made of **plasticated** steel + 2 shelves made of stainless steel (max load 40 Kg evenly distributed)	140	80
CS104P/3C	Cabinet COMBICHEM 3C 3 doors 3 superimposed compartments	600x600x1950	595x567x618+618+618	2 shelves made of **plasticated** steel +2 shelves made of **painted** steel + 2 shelves made of **stainless** steel (max load 40 Kg evenly distributed)	210	85
CS104P/4C	Cabinet COMBICHEM 4C 4 doors 4 compartments (2+2)	1140x600x1950	568+568x567x930+930	4 shelves made of **plasticated** steel +2 shelves made of **painted** steel + 2 shelves made of **stainless** steel (max load 40 Kg evenly distributed)	280	150
SLIDING SHELVES						
CS103PS	Cabinet with 1 door Left handle	600x600x1950	595x567x1864	3 shelves made of **plasticated** steel (max load 40 Kg evenly distributed)	100	85
CS106PS	Cabinet with 2 doors 2 compartments	1140x600x1950	503+503x567x1864	3 shelves made of **plasticated** steel per compartment (max load 40 Kg evenly distributed)	200	145

*Approximate capacity in bottles holding 1 litre per cabinet

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
RIPCS60	Additional fixed shelf made of **plasticated** steel for cabinet with 1 door	485x545x30	9	35
RIPCS120	Additional fixed shelf made of **plasticated** steel for cabinet with 2 doors	1025x545x30	19	70
RIPX60	Additional fixed shelf made of **stainless** steel for cabinet with 1 door	485x545x30	9	35
RIPX120	Additional fixed shelf made of **stainless** steel for cabinet with 2 doors	1025x545x30	19	70
DIVECO120	Central division for PLUS cabinet with 2 doors			
RIP60SC	«Sliding shelf»: Sliding system to be added to the shelf (only for cabinet with 1 door or cabinet with 2 compartments)			
RIP60PI	Additional shelf made of **polypropylene** (on request) for cabinet with 1 door			
RIP120PI	Additional shelf made of **polypropylene** (on request) for cabinet with 2 door			
VACS60	Additional retention tray made of **plasticated** steel for cabinet with 1 door	485x545x60	18	35
VACS120	Additional retention tray made of **plasticated** steel for cabinet with 2 doors	1025x545x60	39	70
VA60PP	Additional retention tray made of **polypropylene** for cabinet with 1 door	485x545x30	18	35
VA120PP	Additional retention tray made of **polypropylene**e for cabinet with 2 doors	1025x545x30	39	70
TIM24	Daily counter			
ALLARME	Alarm system for «open doors»			

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
2CP104	Fresh air box with panelling for cabinet with 1 door - connecting Ø 125 mm	600x600x300
2CP106	Fresh air box with panelling for cabinet with 2 doors - connecting Ø 125 mm	1140x600x300
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø 125 mm (filter excluded)	290x290x270
RSOLCA	Activated charcoal filter for motor DIAM125BP - (to replace at least twice a year)	235x110x15
RE1000	Fan flow controller (to be ordered with the fan DIAM125BP)	
GFKIT125	Connection kit: 1 metre of flexible sheath Ø 125 mm and 2 clamps	Ø 125 mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211, with visual and audible alarm	570x500x250
CFNL	Molecular filtration box manufactured, without alarm	570x500x250
CFNCO	Hour counter for CFN	
CSAS	Activated charcoal filter for solvents (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15
RFCS60	Filter for 60 Basic (spare part for CS60 and CS60A+B)	
RFCS120	Filter for 120 Basic (spare part for CS120)	

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

CHEMISAFE SAFETY STORAGE CABINETS

Series CS
Glazed doors
Certified according to EN61010-1, EN16121 and CEI 66-5

EN 61010-1 16121

The certified solution for storing all your families of chemicals

CS103PG   CS104PG/2C   CS104PG/3C

CS106PG   CS104PG/4C   CS103PGS
with additional shelves
RIPCS60+RIP60SC

TECHNICAL FEATURES

- Completely made of an electrogalvanized steel plate with a thickness of 10/10 mm, cold bent - Grey RAL 7035
- External finishing made of acidproof epoxy resin and passage through a thermal tunnel at 200 °C
- Construction in one piece with leveling jacks
- Possibility of having 1, 2, 3 or 4 compartments for storing separately the different families of noninflammable chemical products
- Glazed swing doors with double wall
- Key lock

- Door opening with an angle of 110° allowing extracting the shelves without tilting them
- Equipped with fixed or sliding retention shelves made of plasticated/painted/stainless steel, whose height can be adjusted
- Possibility of having a retention ray on the cabinet bottom (see the table below)
- Ø 125 mm connection collar
- Standardized pictograms according to standards ISO 3864
- **Complying with standards EN61010-1, EN16121 and CEI 66-5**

SERIES CS GLAZED DOORS

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
FIXED SHELVES						
CS103PG	Cabinet with 1 door Left handle	600x600x1950	595x567x1864	3 shelves made of **plasticated** steel (max load 40 Kg evenly distributed)	100	80
CS106PG	Cabinet with 2 doors 1 compartment	1140x600x1950	1025x567x1864	3 shelves made of **plasticated** steel (max load 80 Kg evenly distributed)	200	120
CS104PG/2C	Cabinet COMBICHEM 2C Cabinet with 2 doors 2 superimposed compartments	600x600x1950	595x567x930+930	2 shelves made of **plasticated** steel + 2 shelves made of **stainless** steel (max load 40 Kg evenly distributed)	140	85
CS104PG/3C	Cabinet COMBICHEM 3C Cabinet with 3 doors 3 superimposed compartments	600x600x1950	595x567x618+618+618	2 shelves made of **plasticated** steel + 2 shelves made of **painted** steel + 2 shelves made of **stainless** steel (max load 40 Kg evenly distributed)	210	100
CS104PG/4C	Cabinet COMBICHEM 4C Cabinet with 4 doors 4 compartments (2+2)	1140x600x1950	568+568x567x930+930	4 shelves made of **plasticated** steel + 2 shelves made of **painted** steel + 2 shelves made of **stainless** steel (max load 40 Kg evenly distributed)	280	150
SLIDING SHELVES						
CS103PGS	Cabinet with 1 door Left handle	600x600x1950	595x567x1864	3 shelves made of **painted** steel (max load 40 Kg evenly distributed)	100	85
CS106PGS	Cabinet with 2 doors 2 compartments	1140x600x1950	503+503x567x1864	3 shelves made of **painted** steel per compartment (max load 40 Kg evenly distributed)	200	145

*Approximate capacity in bottles holding 1 litre per cabinet

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
RIPCS60	Additional fixed shelf made of **plasticated** steel for cabinet with 1 door	485x545x30	9	35
RIPCS120	Additional fixed shelf made of **plasticated** steel for cabinet with 2 doors	1025x545x30	19	70
RIPX60	Additional fixed shelf made of **stainless** steel for cabinet with 1 door	485x545x30	9	35
RIPX120	Additional fixed shelf made of **stainless** steel for cabinet with 2 doors	1025x545x30	19	70
DIVECO120	Central division for PLUS cabinet with 2 doors			
RIP60SC	«Sliding shelf»: Sliding system to be added to the shelf (only for cabinet with 1 door or cabinet with 2 compartments)			
RIP60PI	Additional shelf made of **polypropylene** (on request) for cabinet with 1 door			
RIP120PI	Additional shelf made of **polypropylene** (on request) for cabinet with 2 door			
VACS60	Additional retention tray made of **plasticated** steel for cabinet with 1 door	485x545x60	18	35
VACS120	Additional retention tray made of **plasticated** steel for cabinet with 2 doors	1025x545x60	39	70
VA60PP	Additional retention tray made of **polypropylene** for cabinet with 1 door	485x545x30	18	35
VA120PP	Additional retention tray made of **polypropylene**e for cabinet with 2 doors	1025x545x30	39	70
TIM24	Daily counter			
ALLARME	Alarm system for «open doors»			

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
2CP104	Fresh air box with panelling for cabinet with 1 door - connecting Ø 125 mm	600x600x300
2CP106	Fresh air box with panelling for cabinet with 2 doors - connecting Ø 125 mm	1140x600x300
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø 125 mm (filter excluded)	290x290x270
RSOLCA	Activated charcoal filter for motor DIAM125BP - (to replace at least twice a year)	235x110x15
RE1000	Fan flow controller (to be ordered with the fan DIAM125BP)	
GFKIT125	Connection kit: 1 metre of flexible sheath Ø 125 mm and 2 clamps	Ø 125 mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211, with visual and audible alarm	570x500x250
CFNL	Molecular filtration box manufactured, without alarm	570x500x250
CFNCO	Hour counter for CFN	
CSAS	Activated charcoal filter for solvents (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15
RFCS60	Filter for 60 Basic (spare part for CS60 and CS60A+B)	
RFCS120	Filter for 120 Basic (spare part for CS120)	

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

Series MULTIRISK
Plain doors

Modular solutions to store your chemicals

CSB60

CSB62

CSB63

External hinge made of plastic resistant to corrosion

CSB60UB

CSB120

CSB124

CSB120UB

TECHNICAL FEATURES

- Completely made of an electrogalvanized steel plate with a thickness of 15/10 mm, cold bent
- External finishing made of acidproof epoxy resin 90 microns Grey RAL 7035 and passage through a thermal tunnel at 200 °C
- Construction in one piece with leveling jacks
- Division in 2, 3 or 4 compartments for storing separately the different families of noninflammable chemical products
- Plain swing doors with a single wall

- Key lock
- Door opening with an angle of 110°
- External hinge made of plastic resistant to corrosion
- Compartments equipped with fixed retention shelves made of of plasticated, painted and stainless steel whose height can be adjusted
- Ø 125 mm connection collar
- Standardized pictograms according to standards ISO 3864

SERIES MULTIRISK PLAIN DOORS

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CSB60	Cabinet with 1 door 1 compartment	600x600x1950	595x540x1864	3 shelves made of **plasticated** steel (max load 40 Kg evenly distributed)	105	70
CSB62	Cabinet with 2 doors 2 superimposed compartments	600x600x1950	595x540x930+930	Compartment for ACIDS: 2 shelves made of **plasticated** steel Compartment for BASES: 2 fixed shelves made of **stainless** steel (max load 40 Kg evenly distributed)	140	75
CSB63	Cabinet with 3 doors 3 superimposed compartments	600x600x1950	595x540x618+618+618	Compartment for ACIDS: 2 shelves made of **plasticated** steel Compartment for BASES: 2 shelves made of **stainless** steel Compartment for TOXICS: 2 shelves made of **painted** steel (max load 40 KG evenly distributed)	210	85
CSB120	Cabinets with 2 doors 1 compartment	1200x600x1950	1130x540x1864	3 shelves made of **plasticated** steel (max load 80 KG evenly distributed)	210	125
CSB124	Cabinets with 4 doors 4 compartments (2+2)	1200x600x1950	568+568x540x930+930	Compartment for ACIDS: 2 shelves made of **plasticated** steel Compartment for BASES: 2 shelves made of **stainless** steel Compartment for TOXICS: 2 shelves made of **painted** steel Compartment for HARMFUL PRODUCTS: 2 shelves made of **painte**d steel (max load 40 KG evenly distributed)	280	135
CSB60UB	Underbench cabinet with 1 door 1 compartment	600x600x700	595x540x620	2 shelves made of **plasticated** steel (max load 40 Kg evenly distributed)	70	35
CSB120UB	Cabinet with 2 doors 1 compartment	1200x600x700	1130x540x620	2 shelves made of **plasticated** steel (max load 80 Kg evenly distributed)	140	60

*Approximate capacity in bottles holding 1 litre per cabinet

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
CSB60R	Additional fixed shelf made of **plasticated** steel for cabinet with 1 door	595x535x39	12	35
CSB60RI	Additional fixed shelf made of **stainless** steel for cabinet with 1 door	595x535x39	12	35
CSB120R	Additional fixed shelf made of **plasticated** steel for cabinet with 2 doors	1190x535x39	22	70
CSB120RI	Additional fixed shelf made of **stainless** steel for cabinet with 2 doors	1190x535x39	22	70
CSB124R	Additional **plasticated** shelf for cabinet with 4 doors	576x537x39	12	38
CSB124RI	Additional **stainless** steel shelf for cabinet with 4 doors	576x537x39	12	38
TIM24	Daily counter			
ALLARME	Alarm system for «open doors»			

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø 125 mm (filter excluded)	290x290x270
RSOLCA	Activated charcoal filter for motor DIAM125BP - (to replace at least twice a year)	235x110x15
F125FC	Ø 125 mm connection collar	Ø 125 mm
RE1000	Fan flow controller (to be ordered with the fan DIAM125BP)	
GFKIT125	Connection kit: 1 metre of flexible sheath Ø 125 mm and 2 clamps	Ø 125 mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211, with visual and audible alarm	570x500x250
CFNL	Molecular filtration box manufactured, without alarm	570x500x250
CFNCO	Hour counter for CFN	
CFNUB	Filtration box certified according to standard NFX15-211 for underbench cabinets, equipped with wheels, 2 ventilation outlets, with visual and audible alarm	410x570x650
CFNUBL	Filtration box for underbench cabinets, equipped with wheels, 2 ventilation outlets	410x570x650
CSAS	Activated charcoal filter (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

CHEMISAFE SAFETY STORAGE CABINETS

Series MULTIRISK
Glazed doors

Modular solutions to store your chemicals

External hinge made of plastic resistant to corrosion

CSB60G

CSB62G

CSB63G

CSB120G

CSB124G

TECHNICAL FEATURES

- Completely made of an electrogalvanized steel plate with a thickness of 15/10 mm, cold bent
- External finishing made of acidproof epoxy resin 90 microns Grey RAL 7035 and passage through a thermal tunnel at 200 °C
- Construction in one piece with leveling jacks
- Division in 2, 3 or 4 compartments for storing separately the different families of noninflammable chemical products
- Swing doors with single wall and polycarbonate glass, highly resistant to chemical attacks
- Key lock

- Door opening with an angle of 110°
- External hinge made of plastic resistant to corrosion
- Compartments equipped with fixed retention shelves made of plasticated, painted and stainless steel whose height can be adjusted
- Ø 125 mm connection collar
- Standardized pictograms according to standards ISO 3864

SERIES MULTIRISK GLAZED DOORS

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CSB60G	Cabinet with 1 glazed door 1 compartment	600x600x1950	595x540x1864	3 shelves made of **plasticated** steel (max load 40 Kg evenly distributed)	105	70
CSB62G	Cabinet 2 glazed doors 2 superimposed compartments	600x600x1950	595x540x930+930	Compartment for ACIDS: 2 shelves made of **plasticated** steel Compartment for BASES: 2 fixed shelves made of **stainless** steel (max load 40 Kg evenly distributed)	140	75
CSB63G	Cabinet 3 glazed doors 3 superimposed compartments	600x600x1950	595x540x618+618+618	Compartment for ACIDS: 2 shelves made of **painted** steel Compartment for BASES: 2 shelves made of **stainless** steel Compartment TOXICS: 2 shelves made of **painted** steel (max load 40 Kg evenly distributed)	210	85
CSB120G	Cabinet with 2 glazed doors 1 compartment	1200x600x1950	1130x540x1864	3 shelves made of **painted** steel (max load 80 Kg evenly distributed)	210	125
CSB124G	Cabinet with 4 glazed doors 4 compartments (2+2)	1200x600x1950	568+568x540x930+930	Compartment for ACIDS: 2 shelves made of **plasticated** steel Compartment for BASES: 2 shelves made of **stainless** steel Compartment TOXICS: 2 shelves made of **painted** steel Compartment for HARMFUL PRODUCTS: 2 shelves made of **painted** steel (max load 40 Kg evenly distributed)	280	135

*Approximate capacity in bottles holding 1 litre per cabinet

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
CSB60R	Additional fixed shelf made of **plasticated** steel for cabinet with 1 door	595x535x39	12	35
CSB60RI	Additional fixed shelf made of **stainless** steel for cabinet with 1 door	595x535x39	12	35
CSB120R	Additional fixed shelf made of **plasticated** steel for cabinet with 2 doors	1190x535x39	22	70
CSB120RI	Additional fixed shelf made of **stainless** steel for cabinet with 2 doors	1190x535x39	22	70
CSB124R	Additional **plasticated** shelf for cabinet with 4 doors	576x537x39	12	38
CSB124RI	Additional **stainless** steel shelf for cabinet with 4 doors	576x537x39	12	38
TIM24	Daily counter			
ALLARME	Alarm system for «open doors»			

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø 125 mm (filter excluded)	290x290x270
RSOLCA	Activated charcoal filter for motor DIAM125BP - (to replace at least twice a year)	235x110x15
F125FC	Ø 125 mm connection collar	Ø 125 mm
RE1000	Fan flow controller (to be ordered with the fan DIAM125BP)	
GFKIT125	Connection kit: 1 metre of flexible sheath Ø 125 mm and 2 clamps	Ø 125 mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211, with visual and audible alarm	570x500x250
CFNL	Molecular filtration box manufactured, without alarm	570x500x250
CFNCO	Hour counter for CFN	
CFNUB	Filtration box certified according to standard NFX15-211 for underbench cabinets, equipped with wheels, 2 ventilation outlets, with visual and audible alarm	410x570x650
CFNUBL	Filtration box for underbench cabinets, equipped with wheels, 2 ventilation outlets	410x570x650
CSAS	Activated charcoal filter (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

CHEMISAFE SAFETY STORAGE CABINETS

BOX FOR POISON STORAGE

Specially conceived for storing and isolating poisons, toxic chemical products and CMR.

CS107

CS105+CS107

> It can be used as wall cabinet to store your harmful products or as poison box in a storage cabinet

TECHNICAL FEATURES

- Made of steel 10/10th
- Colour: Grey RAL 7035
- Equipped with 2 retention shelves made of epoxy plasticated steel, whose height can be adjusted
- Swing door with double wall and key lock

- Door opening with an angle higher than 110°
- Prearrangement for wall mountin
- Possibility of fastening in a safety cabinet (on the shelf or on the cabinet bottom wall)
- Standardized pictograms according to standards ISO 3864

POISON BOX

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CS107	Poison box	500x300x400	480x270x390	2 shelves made of **plasticated** steel (max load 5 Kg evenly distributed)	25	20

*Approximate capacity in bottles holding 1 litre per cabinet

Series E-LINE
Safety cabinets

The cabinets of series E-UNE represent the ideal solution for a cheap and safe storage of all your polluting, toxic and dangerous products.

EL060

EL100

EL060UB   EL100UB

> Practical and cheap ideal for storing your products

TECHNICAL FEATURES

- Made of steel 8/10th
- Colour: Grey RAL 7035
- Equipped with retention shelves made of epoxy painted< steel, whose height can be adjusted

- Plain swing doors with **single wall** and 3 point key lock
- Door opening with an angle higher than 110°
- Ø 125 mm connection collar
- Standardized pictograms according to standards ISO 3864

SERIES E-LINE

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
EL100	Metal cabinet with 2 doors	1000x450x2000	995x430x1980	3 shelves	100	65
EL060	Metal cabinet with 1 door	540x450x2000	535x430x1980	3 shelves	64	45
EL104	Metal cabinet with 4 doors and 4 compartments	1000x450x2000	493x430x483 for compartment	2 shelves for compartment	100	57
EL062	Metal cabinet with 2 doors and 2 compartments	540x450x2000	535x430x975 for compartment	2 shelves for compartment	64	47
EL063	Metal cabinet with 3 doors and 3 compartments	540x450x2000	535x430x640 for compartment	2 shelves for compartment	64	50
EL100UB	Metal under-hood cabinet with 2 doors	1000x450x736	995x430x716	2 shelves	70	45
EL060UB	Metal under-hood cabinet with 1 door	540x450x736	535x430x716	2 shelves	30	30

*Approximate capacity in bottles holding 1 litre per cabinet

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
CRF600G	Additional shelf made of **painted** steel for cabinet with 1 door	533x415x30	6	16
CRF900G	Additional shelf made of **painted** steel for cabinet with 2 doors	993x415x30	12	36
ELRIP060	Additional shelf for 60 E-LINE with 4 compartments	493x415x30		
TIM24	Daily counter			

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors inlet/outlet Ø 125 mm (filter excluded)	290x290x270
RE1000	Fan flow controller (to be ordered with the fan DIAM125BP)	
GFKIT125	Connection kit: 1 metre of flexible sheath Ø 125 mm and 2 clamps	Ø 125 mm

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

CHEMISAFE SAFETY STORAGE CABINETS

Series CYTOTOXIC

Safety cabinets for storing cytotoxic products for chemotherapy

CS103H

CS106H

The safe storage
of your chemotherapy
products

CS103GH

CS106GH

📢 TECHNICAL FEATURES

- Completely made of an electrogalvanized steel plate with a thickness of 10/10 mm, cold bent
- External finishing made of acidproof epoxy resin 90 microns Grey RAL 7035 and passage through a thermal tunnel at 200 °C
- Construction in one piece with leveling jacks
- Plain swing or glazed doors with double wall
- Door opening with an angle of 110° allowing extracting the shelves without tilting them
- Key lock
- Equipped with 3 retention shelves made of STAINLESS steel, with a thickness of 10/10 mm, whose height can be adjusted
- Ventilation unit included with box made of painted steel and aluminium propeller
- Protection degree: IP44 according to UNEL-IEC
- Flow 300 m³/h

- Sound level lower than 6dB at the moment of the maximum flow with 1.5 m sheath according to UNI 7179-73P
- Mp. 0.09 Kw., 2900 revolutions.
- Complying with standard EN61010
- Supply: 220/230V 50Hz single phase
- Absorption: 90W
- Connection diameter: 100 mm
- Equipped with a particle filter HEPA H14 made of glass micro-fibre with MPPS 99,995%, flow 150 m3/h, structure made of anodized aluminium
- Equipped with an activated charcoal filter for acids with a big absorption surface
- Filter replacement made easier by the hinge system with key lock
- Standardized pictograms according to standards ISO 3864

SERIES CYTOTOXIC

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CS103H	Cabinet with 1 plain door	600x600x1900 (1600+300)	550x550x1500	3 shelves made of **stainless** steel (490x550x30 mm)	100	90
CS106H	Cabinet with 2 plain doors	1140x600x1900 (1600+300)	1080x550x1500	3 shelves made of **stainless** steel (1030x550x30 mm)	200	130
CS103GH	Cabinet with 1 glazed door	600x600x1900 (1600+300)	550x550x1500	3 shelves made of **stainless** steel (490x550x30 mm)	100	90
CS106GH	Cabinet with 2 glazed doors	1140x600x1900 (1600+300)	1080x550x1500	3 shelves made of **stainless** steel (1030x550x30 mm)	200	133

*Approximate capacity in bottles holding 1 litre per cabinet

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	STORAGE CAPACITY*
RIPX60	Additional fixed shelf made of **stainless** steel for cabinet with 1 door	485x545x30	35
RIPX120	Additional fixed shelf made of **stainless** steel for cabinet with 2 doors	1025x545x30	70
RFCS60	Filter for 60 Basic (spare part for CS60 and CS60 A+B)		
RFCS120	Filter for 120 Basic (spare part for CS120)		
RFCSHEPA	Hepa filter (spare part)		

*Approximate capacity in bottles holding 1 litre

Standard NFX15-211
WHAT THE STANDARD SAYS?

This standard defines precisely the filtration system capacity of a fume hood to retain the harmful molecules evaporated in the enclosure and qualifies the air quality after the filter.

During the « normal operation» phase, standard AFNOR NF X 15 211 imposes a maximum concentration after the filtration system which must not exceed 1% of the TLV of the product handled.

Standard AFNOR NF X 15 211 deals with the performances of a fume hood as a whole: containment, speed, filtration system effectiveness.

This standard does not define in any case the properties of a single and isolated filter of a filtration system.

Therefore, a single filter cannot comply with standard AFNOR NFX 15 211.

Mandated by AFNOR, the Union de Normalisation Mécanique (UNM), made of a board of experts for ventilation, of government bodies, of professional trade union members, established standard AFNOR NFX 15-211:2009. This standard applies to fume hoods conceived for research and analysis works… for all laboratories handling chemical agents subject to a professional exposure limit value (TLV or OEL). This text imposes some performance criteria connected to:

1 - **The filtration effectiveness**
2 - **The containment effectiveness**
3 - **The air effectiveness on the front**
4 - **The documentation accompanying the fume hoods**

CLASS 1	CLASS 2
Fume hoods with safety reserve	Fume hoods without safety reserve
One main filtration level and one safety filtration level	Un niveau de filtration principal

The classes of standard AFNOR NFX 15-211: 2009

DENOMINATION ACCORDING TO NF X 15-211 :2009	
Particle filtration	Type P
Vapour filtration	Type V
Particle and vapour filtration	Type PV

1 - **The filtration effectiveness**

It indicates the filter capacity to retain the harmful molecules handled in the enclosure and qualifies the recirculated air quality after the filter.

2 - **The containment effectiveness**

It defines the fume hood capacity to retain the vapours or the particles in the enclosure without dispersing them into the laboratory atmosphere.

3 - **The air effectiveness on the front**

It indicates the fume hood capacity to create a dynamic barrier between the operator and what he handles.

For fume hoods with fixed front, the front air speed at any point along the opening must be between 0.4 and 0.6 m/s.

Furthermore, they must be equipped with a continuous monitoring device of ventilation.

4 - **The documentation accompanying the fume hoods**

The fume hoods must be accompanied by a booklet including an exhaustive list of the chemical agents that according to the manufacturer's certification can be handled in the fume hood in compliance with the conditions described in standard NFX 15-211:2009.

	CLASS 1	CLASS 2
Normal operating phase	Normal operating phase during which the concentration after the filter must be lower than 1% of TLV	
Detection phase	Detection phase during which the concentration after the filters must be lower than 1% of TLV and during which the automatic detector of saturation must warn the user	Detection phase during which the concentration after the filters must be lower than 50% of TLV
Fase di sicurezza	Safety phase during which the concentration after the filters must be lower than 50% of TLV and whose duration must not be lower than 1/12 of the duration of the normal operating phase	

Special prescriptions for enclosures of class 1

The enclosures of class 1 must be conceived for handling products whose OEL is higher or equal to 1 ppm.

The enclosures of class 1 must include a continuous measuring system of concentration, after the filter, associated to an alarm.

Special prescriptions for enclosures of class 2

The enclosures of class 2 must be conceived for handling products whose OEL is higher or equal to 10 ppm.

The enclosures of class 2 must include:

- Either an (audible or visual) alarm triggered by an hour meter every 60 working hours
- Or a continuous measuring system of the concentration after the filter connected to an alarm

The product mass that can be inserted into the enclosure must not exceed 1/8 of the retention capacity of the filter during normal operation.

OPERATING PRINCIPLE OF A FUME HOOD

OPERATION OF AN ACTIVATED CHARCOAL FUME HOOD

The harmful vapours are contained in the working volume, sucked by the ventilation unit and purified through their passage in the activated charcoal filter before being rejected into the atmosphere. You will find below the important parameters to consider for the good operation of the activated charcoal filter:

CONCENTRATION

The higher the concentration of the handled products, the higher the quantity of coal that will be necessary.

TEMPERATURE

The lower the temperature, the better the absorption capacity.

PRESSURE

The higher the pressure, the better the absorption capacity.

HUMIDITY

The lower the humidity, the better the absorption capacity.

AIR FLOW SPEED

Through the activated charcoal filter (0.2 m/s).

While the first 4 parameters are generally constant in a laboratory, the air speed is given by the suction system.

We conceived an electronic measuring system, allowing checking this fundamental parameter in order to optimize the absorption of chemical substances through the «coal bed». An anemometer sensor controls the speed of the air passage through the activated charcoal filter (about 0.2 m/s). It sends this information to the microprocessor validating the value if it is correct via a green light-emitting diode (LED) on the control panel. In case of a speed lower than 0.2 m/s, a red light-emitting diode LED flashes slowly.

If the speed is much higher than 0.2 m/s, the same red diode LED will flash more quickly. In these two cases, it will be possible to intervene manually to restore the good speed by means of the electronic regulator. In this way the inlet air flow speed on the front will be between 0.4 and 0.6 m/s.

These are the results obtained starting from the fume HOOD CHEMIHOOD PLUS:

Results of the test with carbon tetrachloride (CCl$_4$)

OPERATION	Normal	Detection	Safety	Occurrence
Average air temperature (°C)	21,0	20,3	20,5	19,8
Average relative humidity (%)	55	54	59	52
Sampling flow (L/min)	0,8	0,8	0,8	0,8
Sampling time (min)	480	480	480	480
Treated air volume (m^3)	0,382	0,381	0,383	0,384
Mass of CCL$_4$ absorbed (g)	2542	113	175	165
Concentration of CCl$_4$ rejected (ppm)	0	0	0	0
Volume discharged (ml)	/	/	/	180
% OEL	0	0	0	0
% TLV	0	0	0	0

Results of the test with hydrochloric acid (HCl)

| OPERATION	Normal	Detection	Safety	Occurrence
Average air temperature (°C)	20,6	21,1	20,8	20,9
Average relative humidity (%)	54	53	54	52
Sampling flow (L/min)	0,8	0,8	0,8	0,8
Sampling time (min)	480	480	480	480
Treated air volume (m^3)	0,382	0,383	0,382	0,382
Mass of CCL$_4$ absorbed (g)	1588	776	134	287
Concentration of CCl$_4$ rejected (ppm)	0	0	0,04	3,93
Volume discharged (ml)	/	/	/	100
% OEL	/	/	/	/
% TLV	0	0	0,8	78,6

OPERATING PRINCIPLE OF A FILTERING CABINET

The harmful vapours contained in the storage cabinet are sucked by the ventilation box and purified when they pass through the activated charcoal filter before being rejected into the atmosphere.

The vapour filtration occurs in a specific manner by choosing a suitable activated charcoal filter.

All toxic vapours emitted by the storage of chemicals are eliminated by ensuring a purified air inside the laboratory.

This system, which is easier and cheaper to implement, allows the cabinet ventilation without any external connection and without air compensation problems in the room.

The ventilated cabinet can be installed everywhere in your laboratory and near workstations.

CHEMISAFE SAFETY STORAGE CABINETS
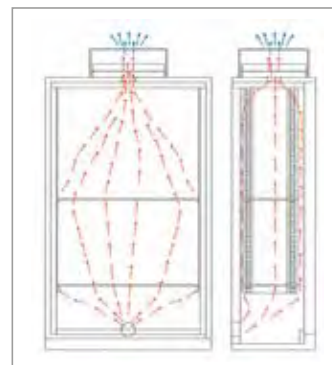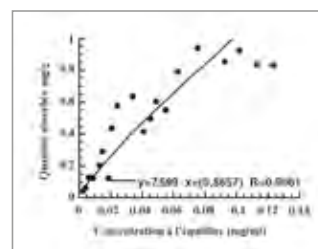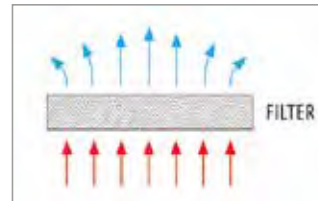
Series CFCS
Fixed shelves - Glass doors
Certified according to NFX15-211 & EN61010-1

CFCS-103GP

CFCS-104/2CV

CFCS-106GP

Safely removing noxious vapours with no need of external connections

TECHNICAL FEATURE OF CABINETS

- Completely made of electrogalvanized stainless steel with a thickness of 10/10 mm, cold bent - Grey RAL 7035
- External finishing made of acidproof epoxy resin and passage through a thermal tunnel at 200 °C
- One-piece structure with levelling jacks
- **Swing door with double wall, provided with glass Sécurit 6 mm (3 mm + polyvinyl film + 3 mm)**
- Key lock
- Door opening with an angle of 110° allowing extracting the shelves without tilting them

- Equipped with 4 fixed shelves + 1 retention tray made of plasticated steel
- Standardized pictograms according to standards ISO 3864
- **Complying with standards EN 601010-1 & CEI 66-5**
- Complying with articles 5162 and 5170 of the Public Health Code
- Equipped with a filtering fresh air box complying with the standard AFNOR NFX 15-211
  (filter should be chosen according to the stored products)

📢 TECHNICAL FEATURES OF THE FRESH AIR BOX WITH FILTRATION

- Electrogalvanized steel structure 10/10 mm, covered in a light blue epoxy paint
- Axial fan (turbine)
- Flow rate: 100/250 m³/h
- Voltage/frequency: 220 volts/50Hertz
- IP44
- Acoustic level 45dB
- Complying with the standard ISO 3744
- ON/OFF switch with light indicators for proper working
- LED visual and acoustic working hour meter

- Filter saturation indicator with LED visual and acoustic indicator: speed measurement of the air passing through the activated charcoal filter
- Retention capacity CCl4 on a 7000g-filter (in compliance with the efficiency level defined by the **standard AFNOR NFX 15-211**) or maximum rejection of 50% of the average exposure value of the product
- Please see the ventilation chapter for the detailed sheet of the fresh air box with filtration in compliance with the standard NFX 15-211

SERIES CFCS

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CFCS-103GP	Cabinet Series CSF6 Cabinet with 1 glass door	600x600x1950	595x567x1864	4 shelves made of **plasticated** steel (max load 40 Kg evenly distributed) + 1 retention tray with grid made of **plasticated** steel and absorbent mat	170	95
CFCS-106GP	Cabinet Series CSF12 Cabinet with 2 glass doors 2 compartments	1140x600x1950	503+503x567x1864	4 shelves made of **plasticated** steel (max load 40 Kg evenly distributed) + 1 retention tray with grid made of **plasticated** steel and absorbent mat per compartment	350	180
CFCS-104/2CV	Cabinet Series COMBICHEM F 2C Cabinet with 2 glass doors 2 superimposed compartments	600x600x1950	595x567x930+930	2 shelves made of **plasticated** steel (max load 40 Kg evenly distributed) + 1 retention tray with grid made of **plasticated** steel and absorbent mat per compartment	210	115

*Approximate capacity in bottles holding 1 litre per cabinet

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
RIPCS60	Additional fixed shelf made of **plasticated** steel for cabinet with 1 door	485x545x30	9	35
RIPCS120	Additional fixed shelf made of **plasticated** steel for cabinet with 2 doors	1025x545x30	19	70
RIPX60	Additional fixed shelf made of **stainless** steel for cabinet with 1 door	485x545x30	9	35
RIPX120	Additional fixed shelf made of **stainless** steel for cabinet with 2 doors	1025x545x30	19	70
VACS60	Additional retention tray made of **plasticated** steel for cabinet with 1 door	485x545x60	18	35
CS-ABS	Absorbent paper - set of 4 sheets 500x400 mm			
ALLARME	Alarm system "open doors"			

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211, with visual and acoustic alarm - supplied along with the cabinet	570x500x250
CSAS	Activated charcoal filter for solvents (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

Series CFCS
Sliding shelves - Glass doors
Certified according to NFX15-211 & EN61010-1

CF4TCS-103GP

CF8TCS-108GP

Easy access to bottles thanks to the sliding shelves

📢 TECHNICAL FEATURE OF CABINETS

- Completely made of electrogalvanized stainless steel with a thickness of 10/10 mm, cold bent - Grey RAL 7035
- External finishing made of acidproof epoxy resin and passage through a thermal tunnel at 200 °C
- One-piece structure with levelling jacks
- **Swing door with double wall, provided with glass Sécurit 6 mm (3 mm + polyvinyl film + 3 mm)**
- Key lock
- Door opening with an angle of 110° allowing extracting the shelves without tilting them

- Equipped with 4 fixed shelves + 1 retention tray made of plasticated steel
- Standardized pictograms according to standards ISO 3864
- **Complying with standards EN 601010-1 & CEI 66-5**
- Complying with articles 5162 and 5170 of the Public Health Code
- Equipped with a filtering fresh air box complying with the standard AFNOR NFX 15-211
  (filter should be chosen according to the stored products)

📢 TECHNICAL FEATURES OF THE FRESH AIR BOX WITH FILTRATION

- Electrogalvanized steel structure 10/10 mm, covered in a light blue epoxy paint
- Axial fan (turbine)
- Flow rate: 100/250 m³/h
- Voltage/frequency: 220 volts/50Hertz
- IP44
- Acoustic level 45dB
- Complying with the standard ISO 3744
- ON/OFF switch with light indicators for proper working
- LED visual and acoustic working hour meter

- Filter saturation indicator with LED visual and acoustic indicator: speed measurement of the air passing through the activated charcoal filter
- Retention capacity CCl4 on a 7000g-filter (in compliance with the efficiency level defined by the **standard AFNOR NFX 15-211**) or maximum rejection of 50% of the average exposure value of the product
- Please see the ventilation chapter for the detailed sheet of the fresh air box with filtration in compliance with the standard NFX 15-211

SERIES CFCS

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CF4TCS-103GP	Cabinet Series CSF6 Cabinet with 1 glass door	600x600x1950	595x567x1864	4 shelves made of **plasticated** steel (max load 40 Kg evenly distributed) + 1 retention tray with grid made of **plasticated** steel and absorbent mat	170	95
CF8TCS-106GP	Cabinet Series CSF12 Cabinet with 2 glass doors 2 compartments	1140x600x1950	503+503x567x1864	4 shelves made of **plasticated** steel (max load 40 Kg evenly distributed) + 1 retention tray with grid made of **plasticated** steel and absorbent mat per compartment	350	180
CF4TCS-104/2CV	Cabinet Series COMBICHEM F 2C Cabinet with 2 glass doors 2 superimposed compartments	600x600x1950	595x567x930+930	2 shelves made of **plasticated** steel (max load 40 Kg evenly distributed) + 1 retention tray with grid made of **plasticated** steel and absorbent mat per compartment	210	115
CF4TCS-104/2C	Cabinet Series COMBICHEM F 2C Cabinet with 2 plain doors 2 superimposed compartments	600x600x1950	595x567x930+930	2 shelves made of **plasticated** steel (max load 40 Kg evenly distributed) + 1 retention tray with grid made of **plasticated** steel and absorbent mat per compartment	210	110

*Approximate capacity in bottles holding 1 litre per cabinet

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
RIPCS60	Additional fixed shelf made of **plasticated** steel for cabinet with 1 door	485x545x30	9	35
RIPX60	Additional fixed shelf made of **stainless** steel for cabinet with 1 door	485x545x30	9	35
RIP60SC	System for sliding shelf - factory assembly			
VACS60	Additional retention tray made of **plasticated** steel for cabinet with 1 door	485x545x60	18	35
CS-ABS	Absorbent paper - set of 4 sheets 500x400 mm			
ALLARME	Alarm system "open doors"			

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211, with visual and acoustic alarm - supplied along with the cabinet	570x500x250
CSAS	Activated charcoal filter for solvents (prefilter included)	510x405x60
CSBE	Activated charcoal filter for acids (prefilter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (prefilter included)	510x405x60
CSPF	Prefilter	510x405x15

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

Hoods CHEMIHOOD PLUS
with molecular filtration
Certified according to NFX15-211

The safest
and cheapest system
to handle chemicals

CHSCASPE120   CSF-003P   CSF-002P

HOW DOES A FUME HOOD WORK?

Hoods CHEMIHOOD PLUS provide the users with a safe working area to handle chemicals.

Easier and cheaper to use than those of chimney extractors, this system allows the extraction of noxious vapours with no need of external connections and without any issue relating to air compensation inside the room.

Equipped with filters dedicated to specific applications, they comply with the most demanding standards in the world: STANDARD AFNOR NFX 15-211. CHEMIHOOD PLUS hoods, enclosure of class II, have been tested according to standard NFX 15-211 by an independent lab and certified according to the supervising office AJA Europe.

TECHNICAL FEATURES OF HOODS

- Completely made of "optical" methyl methacrylate with a thickness of 8 mm, CHEMIHOOD PLUS hoods provide an optimal, bright vision without distortions
- Tilted front side (7°) - ergonomic position at the work place
- Front panel can be totally lifted and blocked, so that access is easier in case of voluminous equipment, chemicals or cleaning operations
- Two lids to allow the passing of arms for easy handle ensuring the utmost safety
- Possibility of inserting of electric cables and fluids inside the enclosure trough the cable ducts on the sides

- Retention tray made of stainless steel to recover liquids in the event of accidental spillage
- Possibility of adding a work surface made of enamelled glass or HPL with a thickness of 6 mm
- Available in three widths: 600 mm, 900 mm and 1200 mm
- Possibility of placing the hood on a mobile base with or without shelf
- Equipped with a filtering fresh air box complying with the standard AFNOR NFX 15-211 (filter should be chosen according to the stored products)

A saturated filter is an inefficient filter
TO PROTECT PERSONNEL AND ENVIRONMENT, CHANGE YOUR FILTERS REGULARLY
You can also test the filter saturation by means of a colorimetric check using a suction pump.
Please feel free to contact us.

TECHNICAL FEATURES
OF THE FRESH AIR BOX WITH FILTRATION

- Electrogalvanized steel structure 10/10 mm, covered in a light blue epoxy paint
- Axial fan (turbine)
- Flow rate: 100/250 m3/h
- Voltage/frequency: 220 volts/50Hertz
- IP44
- Acoustic level 45dB
- Complying with the standard ISO 3744
- ON/OFF switch with light indicators for proper working. Working hour meter with LED visual and acoustic indicator

- Filter saturation indicator with LED visual and acoustic indicator: speed measurement of the air passing through the activated charcoal filter
- Retention capacity CCl4 on a 7000g-filter (in compliance with the efficiency level defined by the standard AFNOR NFX 15-211) or maximum rejection of 50% of the average exposure value of the product
- Filter should be chosen according to the handled products
- Please see the ventilation chapter for the detailed sheet of the fresh

HOTTES CHEMIHOOD PLUS

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	Weight (Kg)
CSF-001P	Filtering Fume hood W600 mm certified according to standard NFX15-211, with acoustic and visual alarm	600x600x1000	584x584x800	1 retention tray made of **stainless** steel	41
CSF-002P	Filtering Fume hood W900 mm certified according to standard NFX15-211, with acoustic and visual alarm	900x600x1000	884x584x800	1 retention tray made of **stainless** steel	51
CSF-003P	Filtering Fume hood W1135 mm certified according to standard NFX15-211, with acoustic and visual alarm	1135x600x1000	1119x584x800	1 retention tray made of **stainless** steel	57

INTERNAL EQUIPMENT (optional - the choice of a filter is mandatory)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
CSF-60E	Work surface made of toughened glass Emalit with a thickness of 6 mm (Hood width 600 mm)	584x584x6
CSF-90E	Work surface made of toughened glass Emalit with a thickness of 6 mm (Hood width 900 mm)	884x584x6
CSF-120E	Work surface made of toughened glass Emalit with a thickness of 6 mm (Hood width 1135 mm)	1119x584x6
CSF-60H	Work surface made of HPL laminate with a thickness of 6 mm (Hood width 600 mm)	584x584x6
CSF-90H	Work surface made of HPL laminate with a thickness of 6 mm (Hood width 900 mm)	884x584x6
CSF-120H	Work surface made of HPL laminate with a thickness of 6 mm (Hood width 1135 mm)	1119x584x6
CHSCASP60	Base on wheels without shelf for Hood width 600 mm	605x605x865
CHSCASP90	Base on wheels without shelf for Hood width 900 mm	900x605x 865
CHSCASP120	Base on wheels without shelf for Hood width 1135 mm	1140x605x 865
CHSCASP60P	Base on wheels with shelf for Hood width 600 mm	605x605x865
CHSCASP90P	Base on wheels with shelf for Hood width 900 mm	900x605x 865
CHSCASP120P	Base on wheels with shelf for Hood width 1135 mm	1140x605x 865
PE100	Wall socket for wall panelling under the base	
HOOD/LUM	External lighting	
CSAS	Activated charcoal filter for solvents (pre-filter included)	510x405x60
CSBE	Activated charcoal filter for acids (pre-filter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (pre-filter included)	510x405x60
CSPF	Prefilter	510x405x15

FILTERING VENTILATED CABINETS AND HOODS

CHEMISAFE SAFETY STORAGE CABINETS

EN⁶¹⁰¹⁰⁻¹ — rendered as EN$^{61010\text{-}1}$

Hoods CHEMIHOOD
with connection
Certified according to standard EN61010-1

> The economic solution to handle small quantities of chemicals safely

CSF003PL

CHSCASPE120

🔊 TECHNICAL FEATURES

- Completely made of "optical" methyl methacrylate with a thickness of 8 mm, CHEMIHOOD hoods provide an optimal, bright vision without distortions
- Tilted front side (7°) - ergonomic position at the work place
- Front panel can be totally lifted and blocked, so that access is easier in case of voluminous equipment, chemicals or cleaning operations
- Two lids to allow the passing of arms for easy handle ensuring the utmost safety
- Possibility of inserting of electric cables and fluids inside the enclosure trough the cable ducts on the sides

- Retention tray made of stainless steel to recover liquids in the event of accidental spillage
- Possibility of adding a work surface made of enamelled glass or HPL with a thickness of 6 mm
- Available in three widths: 600 mm, 900 mm and 1200 mm
- Possibility of placing the hood on a mobile base with or without shelf

HOODS CHEMIHOOD

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	OPENING DIMENSIONS (WxH) mm	Weight (Kg)
CSF001PL	CHEMIHOOD polycarbonate aspirated hood with full front closure, stainless steel tray, and extractor (filter excluded)	600x600x780	550x550x500	440x480	35
CSF002PL	CHEMIHOOD polycarbonate aspirated hood with full front closure, stainless steel tray, and extractor (filter excluded)	900x600x780	1150x550x500	800x480	45
CSF003PL	CHEMIHOOD polycarbonate aspirated hood with full front closure, stainless steel tray, and extractor (filter excluded)	1200x600x780	550x550x500	440x480	35

INTERNAL EQUIPMENT (optional - the choice of a filter is mandatory)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
DIAM125BP	Electric exhaust fan metal box wired complete with on/off switch - Filter compartment (filter not included)	290x290x270
DIAM125BP CE	Electric exhaust fan in metal box speed control, flow rate and hour meter wired complete with on/off switch - filter compartment (filter not included)	
CSF100BPAMY23	**ATEX** electric exhaust fan in metal box on/off fuses and power cable with filter compartment (filter not included)	370x350x50
CS0500M	Electronic alarm lack of suction	
RSOLCA	Active carbon filter for acids	
RSOL	Active carbon filter for inflammables	
GFKIT100	Connection kit: 1 metre of flexible sheath Ø 100 mm and 2 clamps	Ø 100 mm

CHEMISAFE SAFETY STORAGE CABINETS

HOODS

CHEMISAFE®
SAFETY STORAGE CABINETS

Storage of phytosanitary products
According to DPR 290/01

All phytosanitary products should be stored in a room:
- **used for this purpose**
- **separately from food products for the human or animal diet or from other hazardous substances**
- **key locked so that no foreign person, above all children, can access the room**
- **aerated and ventilated**
- **free of moisture**

REMINDER OF THE SAFETY RULES CONCERNING THE STORAGE OF PHYTOSANITARY PRODUCTS

The storage of phytosanitary products far from water courses and points, sensitive crops, inhabited areas, areas of food storage (food for animals, greens...), areas with a high concentration of persons, power lines.

Provide for easy access to the room by delivery vans and for waste disposal.

The storage area for phytosanitary products might be a bungalow, a container or a safety cabinet.

They should be:
- Aerated and ventilated
- Key locked
- The door should open outwards
- The ground should be waterproof (retention floors, retention pallets, retention bins), lighting should be appropriate
- The electrical system should be in compliance

- Aprovide the door of the bungalow, container or cabinet with a sign indicating all safety instructions, standardized hazard pictograms
- Provide for a fire extinguisher outside the stocking area and a suitable first aid kit
- Provide for a stock of absorbent material in close proximity, should any accidental leakage or spillage occur

HOW TO STORE THE PHYTOSANITARY PRODUCTS PROPERLY

- Store the products by family and keep incompatible products separated from each other
- Identify and make an up-to-date list of the homologated products stored
- Display all necessary information for prevention which appears on the safety data sheet
- Store only materials which reserved for the phytosanitary use
- Provide for enough absorbent materials (example: absorbent mat)
- Use grids to isolate the products of the retention tray

- Provide the room with a first aid kit: eyewash equipment, first aid kit…
- Display the emergency numbers in close proximity
- Store empty packaging in a collection tank for treatment by a specialized company
- Keep the personal protective equipment and the stock of filter cartridges in a specific room
- Provide for an eyewash station and an emergency shower in close proximity but away from the storage area

Storage of phytosanitary products

According to DPR 290/01

Series PHYTO
Storage cabinets for pest control products and other agricultural products

CS60050V

CS90050V

CS600V

CS900V

Handy and cheap

📣 TECHNICAL FEATURES

- Strong structure made of steel, covered in a grey epoxy paint RAL 7035 and green doors RAL 6010.
- Steel 8/10°.
- Swing doors with single wall.
- Safety key lock with 3 points for protection against theft.
- Retention shelves made of painted steel, height-adjustable.

- Prearrangement for ventilation through a Ø 125 mm flange for connection.
- According to DPR 290/01
- Standardized pictograms according to **standards ISO 3864**

SERIES PHYTO

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CS600V	High cabinet with 1 door	540x450x2000	535x430x1980	3 shelves (max load 40 kg evenly distributed)	48	45
CS900V	High cabinet with 2 doors	1000x450x2000	995x430x1980	3 shelves (max load 80 kg evenly distributed)	96	65
CS60050V	Low cabinet with 1 door	540x450x736	535x430x716	2 shelves (max load 40 kg evenly distributed)	24	35
CS90050V	Low cabinet with 2 doors	1000x450x736	995x430x716	2 shelves (max load 80 kg evenly distributed)	48	45

*Approximate capacity in bottles holding 1 litre per cabinet

INTERNAL EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
CRF600V	Additional shelf made of **painted** steel for cabinet with 1 door	533x415x30	6	12
CRF900V	Additional shelf made of **painted** steel for cabinet with 2 doors	993x415x30	12	24

*Approximate capacity in bottles holding 1 litre

VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors- inlet/outlet Ø: 125 mm (filter excluded)	290x290x270
RE1000	Fan flow controller (to be ordered with the fan DIAM125BP)	
RSOL	Activated charcoal filter for motor DIAM125BP - (replacement twice every year minimum)	235x110x15
GFKIT125	Connection kit: 1 metre of flexible sheath Ø 125 mm and 2 clamps	Ø 125 mm
TIM24	Daily counter	

*To obtain the complete list of the connection accessories, see the chapter on ventilation of this catalogue and the current price list

Ventilation Choice Guide
The importance of filter replacement

THE CHOICE OF VENTILATION

In order to ensure the utmost safety of workers and to preserve the safety cabinets for corrosive substances, we recommend to provide them with a ventilation system.

> **For networks longer than 5 metres, please contact us: we will provide you with a customized study**

YES ← **Can I connect my ventilation system to an external line?** → **NO**

Ventilation system with external connection

Recirculating ventilation system (molecular filtration)

Motor DIAM125BP
to be mounted on cabinet
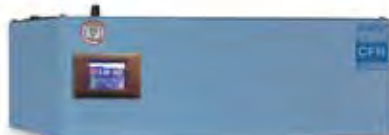
Filtering box CFN
(CFNUB for underbenches)
with acoustic and visual alarm

Filtering box CFNUB
(CFN for high cabinets)
with visual alarm

Filter RSOL
(not mandatory)
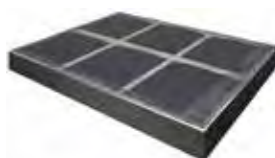
Activated charcoal filter to be chosen
according to the type of stored products

Flexible sheath
(Attention: do not use sheaths longer
than 5 meters)

Prefilter

REPLACEMENT OF ACTIVATED CHARCOAL FILTERS

Activated charcoal is a microporous absorbent substance belonging to a network of fissures and pores connected to each other, which is present throughout the whole material.

Contaminant gas molecules contained in an air flow penetrate through the largest pores situated on the surface of the activated charcoal by means of a process called diffusion and move towards the inner surface of the narrowest pores.

When a gas molecule hits the surface of the activated charcoal in a suitable point, an attraction occurs and the molecule gets entrapped.

Therefore, a filter is saturated when all the pores are filled with the substance to be filtrated. It becomes then inefficient and worse, **the first entrapped molecules are released by the pressure of the new molecules.**

The role of the filters inside fresh air boxes of cabinets is to hold noxious vapours that are released by the stored products inside the cabinet itself.

It is extremely important to r**eplace filter on a regular basis**, or at least to check their saturation level.

A saturated filter is an inefficient filter
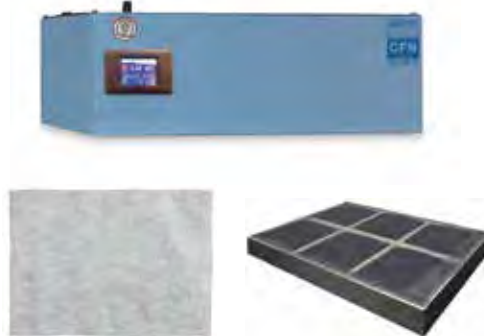**In order to protect workers and environment, replace the filters on a regular basis!**

Please feel free to contact us.

REPLACE FILTERS ON A REGULAR BASIS
AND CHECK THEIR SATURATION

Ventilation system with connection	Ventilation system with recirculation

REFERENCES

- **For cabinets containing solvents:**
  Motor DIAM125BP + filter RSOL + connection kit GFKIT100

- **For cabinets containing chemicals:**
  Motor DIAM125BP + filter RSOL + connection kit GFKIT125

- **In a system with external connection, the filter is not mandatory, his purpose is basically to protect the environment**

- **WE RECOMMEND TO REPLACE THE FILTER 2 TO 3 TIMES A YEAR AND TO PERFORM MAINTENANCE MONTHLY**
  (cleaning of cabinet, dust-removal of the filter).

REFERENCES

- Motor CFN or CFNL + filter CSAS/CSBE/CSMP according to the type of stocked products

- **WE RECOMMEND TO REPLACE THE FILTER 2 TO 3 TIMES A YEAR**
  Please feel free to contact us.

VENTILATION UNITS
with external connection

For cabinets containing
non-flammable chemicals

CSF120MY23

Clogged filter = no efficient filtration of chemicals = lack of protection for workers

As safety and health have no price, check and replace filters on a regular basis

The filtration box should include an activated charcoal filter

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TECHNICAL FEATURES

- Chamber made of reinforced fiberglass and polyamide resine
- Filter holding box included in the motor body
- Flameproof
- Antistatic
- Corrosion resistant
- Internal thermal protection IP44 according to standard DIN 40050

- Extraction rate: 260 m3/h
- Electrical power supply: 220-230V/50HZ single phase
- Supplied with power supply cable
- Neoprene gasket to ensu
- Outlet diameter: 100 mm

SERIES

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	Weight (Kg)
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors - outlet Ø: 125 mm (filter excluded)	290x290x270	10
CSF120MY23	Fresh air box with paneling for cabinet with 2 doors - outlet Ø 100 mm	1200x510x300	18

OPTIONS

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
RE1000	Fan flow controller (to be ordered with the fan DIAM125BP)	
RSOL	Activated charcoal filter for motor DIAM125BP - (to replace at least twice a year)	235x110x15
GFKIT125	Connection kit: 1 metre of flexible sheath Ø 125 mm and 2 clamps	Ø 125 mm - W 1000 mm
GF125	1 metre of flexible sheath Ø 125 mm	Ø 125 mm - W 1000 mm
SERMET125	Clamp Ø 125 mm	Ø 125 mm
AC409	Rigid PVC pipe Ø 125 mm	Ø 125 mm - W 1000 mm
AC419	Rigid PVC 90° elbow Ø 125 mm	Ø 125 mm
AC429	Rigid PVC 45° elbow Ø 125 mm	Ø 125 mm
AC440	Rigid PVC 45° elbow Ø 125 mm	Ø 125 mm
AC489	Rigid PVC manual butterfly valve Ø 125 mm	Ø 125 mm
AC457	Expulsion section with anti-bird grid Ø 125 mm	Ø 125 mm
AUM100125	Reduction 125 mm/100 mm	Ø 125 mm – Ø 100 mm
TIM24	Daily counter	

For cabinets containing inflammable chemicals

📢 TECHNICAL FEATURES

- Steel compartment with aluminium rotor
- Filter holding box included in the motor body
- Flameproof & antistatic
- Corrosion resistant
- Internal thermal protection IP55 according to standard DIN40050
- Extraction rate: 200m3/h
- Electrical power supply: 220-230V/50HZ single phase
- Integrated filtered compartment
- Supplied with power supply cable
- Neoprene gasket to ensure tightness
- Outlet diameter: 125 mm

DIAM125BP

ACTIVATED CHARCOAL FILTER

Activated charcoal is a microporous absorbent substance belonging to a network of fissures and pores connected to each other, which is present throughout the whole material.

Contaminant gas molecules contained in an air flow penetrate through the largest pores situated on the surface of the activated charcoal by means of a process called diffusion and move towards the inner surface of the narrowest pores.

When a gas molecule hits the surface of the activated charcoal in a suitable point, an attraction occurs and the molecule gets entrapped.

Therefore, a filter is saturated when all the pores are filled with the substance to be filtrated. It becomes then inefficient and worse, the first entrapped molecules are released by the pressure of the new molecules.

The role of the filters inside fresh air boxes of cabinets is to hold noxious vapours that are released by the stored products inside the cabinet itself.

It is extremely important to replace filter on a regular basis, or at least to check their saturation level.

SERIES

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	Weight (Kg)
DIAM125BP	Fresh air box with filter holding box for high cabinet with 1 or 2 doors- inlet/outlet Ø: 125 mm (filter excluded)	290x290x270	10
CSF100BPAMY23	Fresh air box **ATEX** with power cable and filter box - outlet diam. 125 mm	350x370x500	11

OPTIONS

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
RE1000	Fan flow controller (to be ordered along with fan DIAM125BP)	
RSOL	Activated charcoal filter for motor DIAM125BP - (to replace at least twice a year)	235x110x15
GFKIT100	Kit for external connection (1 metre of flexible sheath Ø 100 mm and 2 clamps)	Ø 100 mm - W 1000 mm
GF100	1 metre of flexible sheath Ø 100 mm	Ø 100 mm - W 1000 mm
SERMET100	Clamp Ø 100 mm	Ø 100 mm
AC408	Rigid PVC pipe Ø 100 mm	Ø 100 mm - W 1000 mm
AC425	Rigid PVC 90° elbow Ø 100 mm	Ø 100 mm
AC428	Rigid PVC 45° elbow Ø 100 mm	Ø 100 mm
AC488	Rigid PVC manual butterfly valve Ø 100 mm	Ø 100 mm
AC456	Expulsion section with anti-bird grid Ø 100 mm	Ø 100 mm
AC443	Rigid PVC T-connection Ø 100 mm	Ø 100 mm
AUM100125	Reduction 125 mm/100 mm	Ø 100 mm – Ø 100 mm
TIM24	Daily counter	

CHEMISAFE®
SAFETY STORAGE CABINETS

Fresh air box with filtration
Certified according to standard NFX15-211

All toxic vapours released by the storage of chemicals are removed, thus ensuring cleaned air inside the lab.
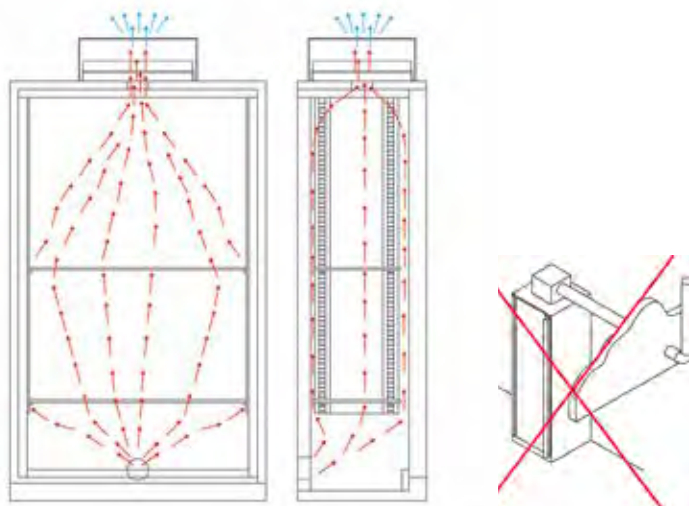
Easier and cheaper to implement, this system allows the ventilation of cabinets with no need of external connections and with no issue relating to air compensation in the room.

Therefore this ventilated cabinet can be installed in any place of the lab and in close proximity to the work area.

WORKING PRINCIPLE OF A FILTERING VENTILATED CABINET

Noxious vapours remaining inside the storage cabinet are extracted by the fresh air box and cleaned when passing through the activated charcoal filter before being released into the atmosphere.

The filtration of vapours should be performed in a specific manner by choosing the suitable activated charcoal filter.

ACTIVATED CHARCOAL FILTER

Activated charcoal is a microporous absorbent substance belonging to a network of fissures and pores connected to each other, which is present throughout the whole material.

Contaminant gas molecules contained in an air flow penetrate through the largest pores situated on the surface of the activated charcoal by means of a process called diffusion and move towards the inner surface of the narrowest pores. When a gas molecule hits the surface of the activated charcoal in a suitable point, an attraction occurs and the molecule gets entrapped.

Therefore, a filter is saturated when all the pores are filled with the substance to be filtrated. It becomes then inefficient and worse, **the first entrapped molecules are released by the pressure of the new molecules**.

The role of the filters inside fresh air boxes of cabinets is to hold noxious vapours that are released by the stored products inside the cabinet itself.

It is extremely important to replace filter on a regular basis, or at least to check their saturation level.

Technical drawings
- Sizes: W550 x D500 x H220 mm
- Weight: 13 Kg

Ø120

500

220

550

Clogged filter = no efficient filtration of chemicals = lack of protection for workers

As safety and health have no price, check and replace filters on a regular basis

The filtration box should include an activated charcoal filter

CE1250 Alarm

TECHNICAL FEATURES

Cabinet ventilation

- Electrogalvanized steel structure 10/10 mm, covered in a light blue epoxy paint
- Axial fan
- Flow rate: 100 to m3/h
- Voltage/frequency: 220 volts/50Hz, protection IP44
- Acoustic level 45dB
- Complying with the standard ISO 3744
- Retention capacity CCl4 on a 7000 g-filter (in compliance with the efficiency level defined by the standard AFNOR NFX 15-211) or maximum rejection of 50% of the average exposure value of the product)

CE1250: Electronic control of cabinet aspiration system with TOUCH screen for:

- On/off control of the electro-aspirator
- Display of speed and flow rate
- Low flow alarm
- 50-50 timing: 50% aspiration, 50% off
- Filter replacement timer
- Time 60 hours NFX15211 (optional exclusion)
- Open door alarm (optional)
- Temperature alarm (optional)

FRESH AIR BOX WITH FILTRATION

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
CFN	Fresh air box with molecular filtration according to standard NFX15-211, with visual and acoustic alarm	570x500x250
CFNL	Molecular filtration box manufactured, without alarm	570x500x250
CFNCO	Hour counter for CFN	1119x584x6
CFNUB	Certified box with filtration certified according to standard NFX15-211 for underbench cabinets, provided with wheels, 2 ventilation outlets, with acoustic and visual alarm	410x570x650
CFNUBL	Box with filtration built for underbench cabinets, provided with wheels, 2 ventilation outlets	410x570x650
ADMY23CFN	Adapter for CFN box for cabinet C3 and C4 (CS343-342-344MY11)	
CSAS	Activated charcoal filter for solvents (pre-filter included)	510x405x60
CSBE	Activated charcoal filter for acids (pre-filter included)	510x405x60
CSMP	Activated charcoal filter for solvents and acids (pre-filter included)	510x405x60
CSSP	Activated charcoal filter on request	510x405x60
CSPF	Prefilter	510x405x15

SAFETY SHELVING
made of modular epoxy steel

MAXIMUM HYGIENE

- Ideal for use in the food, chemical, pharmaceutical and hospital sectors
- Very easy withdrawal of shelves
- Shelves can be washed in the dishwashing machine, thus ensuring the utmost hygiene
- Complying with the standard HACCP

> Please feel free to contact us to work on your project together

TECHNICAL FEATURES

- Strong and modular structure made of galvanized steel, covered in a nontoxic and anti-scratch epoxy resin.
- Standard colour: RAL 7035
- Perforated shelves made of polypropylene, corrosion resistant
- High capacity: permitted maximum load per shelf: 150 to 205 kg evenly distributed according to the shelf width

- Standard models H2000 mm with 4 shelves
- Optional retention tray
- Optional wall mounting system
- Robustness and quality: product solidity during the whole production line

Patented self-locking attaching system allowing an easy and quick assembly with just one worker, with no need of screws and tools

MODULAR SHELVING

	BASE ELEMENT - H 2000 mm			NEXT RIGHT ELEMENT - H 2000 mm		
	W 900 mm	W 1000 mm	W 1200 mm	W 850 mm	W 950 mm	W 1150 mm
P 400 mm	AF3LSF4820	AF3LSF4920	AF3LSF41120	AF3LEF4820	AF3LEF4920	AF3LEF41120
P 500 mm	AF3LSF5820	AF3LSF5920	AF3LSF51120	AF3LEF5820	AF3LEF5920	AF3LEF51120
P 600 mm	AF3LSF6820	AF3LSF6920	AF3LSF61120	AF3LEF6820	AF3LEF6920	AF3LEF61120

Other sizes on request

TRUST US
WITH YOUR PROJECT!

Please feel free to contact us to work on your project together

Our design department is at your disposal to optimize the available space and fulfil your standard or custom-made orders...

• Pre assembly of ladders according to the customer's requirementst

• Use-friendly labelling thanks to a label showing the content and references of the project

• Space optimization by removing the uprights from angles

EQUIPMENTS

GENERAL CONDITIONS OF SALE
February 2024

GENERAL INSTRUCTIONS

1 - The placing of orders implies the purchaser's acceptance of these general conditions of sale. The nullity of one of these general conditions of sale will not affect the validity of all other conditions.

2 - The orders of the purchaser, that are contrary to these general conditions of sale, may not be enforced against us, unless this has been accepted in written on our part.

3 - Equipment and materials that we produce and supply are for users of hazardous substances under the sole liability of users. Our products comply with the Italian and European standards in force. Should customers decide to use these products outside the European Union, they need to check the compliance with the regulations of the destination country. We accept no liability for improper use other than the original one by the users or in case of non-compliance with the local standards.

PRODUCTS AND CATALOGUE

1 - Features, dimensions, weights, colours, photos and information contained in the catalogue, prices and notes are just indicative and do not place us under any obligation. We reserve the right to modify, without notice, our materials, both in aspect and size, with no change in their intrinsic quality. All technical specifications contained in our current catalogue cancel and replace those published previously. Despite our efforts, some errors may escape our attention. The customer could not assert against us that he was not aware of this. According to article 18 of the decree 2005-829 dealing with the composition of electrical and electronical equipment and the disposal of wastes due to this equipment, all liabilities relating to the organisation and funding of waste removal and treatment are transferred to the customer and he shall be deemed responsible for that.

2 - Technical researches and recommendations have been done voluntarily and are indicative. They do not incur the liability of CHEMISAFE and do not constitute an element of execution. It is the users' responsibility to verify them and check their compliance with the applicable general rules for this kind of execution, as well as with particular conditions of employment.

PRICES AND ORDERS

1 - Prices or offers specified in our catalogue and price lists are valid at the time of printing and distribution. They cancel and replace all offers and prices specified previously. All are prices are shown exclusive of taxes, in Euros, EX WORKS (Italy I-31032), unless otherwise notified in writing and subject to a significant increase in raw materials and/or currencies. For all shipments, the minimum amount of a bill is 100 Euros, excluding taxes. For order below this amount, a flat billing rate of 20 Euros excluded taxes will be applied.

2 - Orders should be sent to us in writing (e-mail, telefax or mail) according to our catalogue and current prices or quotation to the client. Orders shall be placed only upon acceptation and validation by CHEMISAFE, on the acknowledgment of receipt by the seller. All claims concerning the conditions of execution of orders shall be presented upon receipt of the acknowledgment of receipt, before delivery.

3 - All orders are firm and irrevocable for the Purchaser from the acceptance by CHEMISAFE.

No order shall be cancelled by the Purchaser, unless prior consent by the Seller, and in this case, the Seller reserves the right to claim, as compensation, the amount of the purchased or work-in-progress goods.

DELIVERY TIMES

1 - The dates of product availability noted on our acknowledgment of order receipt and on our quotation are given in good faith but without any claim for compensation or cancellation resulting therefrom if not met.

2 - Our delivery dates start from the date of the acknowledgment of order receipt.

3 - Stipulations concerning orders and specifying for example the penalties for late delivery or others might be applied only upon our nominative acceptance in writing.

4 - If the purchaser is not able to receive our delivery on the availability date indicated on the acknowledgment of order receipt, we will take all necessary measures to store the goods under the best possible conditions.
The corresponding fees will be charged to the purchaser.
Delivery shall be made only if the customer is up to date with his obligations towards our company and if the particular conditions accepted by the customer and CHEMISAFE are met.

TRANSPORT AND DELIVERY

1 - Unless otherwise agreed in writing, our products are sold EX WORKS Italy (I-31032).

2 - CHEMISAFE assumes responsibility for the necessary packaging to prevent all damages under normal transport conditions. If CHEMISAFE assumes responsibility for the arrangement of the transport agreement, shipping fees will be invoiced additionally and transport will be carried out for the best interests of the customer but without any commitment or liability by CHEMISAFE. In order to know the transport fees, please refer to the quotation drawn up by CHEMISAFE or the Price List 2017. The customer shall inform about any limitation and/or restriction that would not allow the carriers to perform their task correctly.

3 - Our goods travel at the recipient's risks (art. L133-3 of the Commercial Code). The recipient of goods undertakes, upon receipt, to:

a/ check the conditions and quantity of the received goods by opening packages in the presence of the deliverer and before signing the carrier's dispatch note or delivery note.

b/ enter precise reservations, in the event of damage or missing products, on the transport receipt specifying their nature in a very detailed manner.

c/ notify carrier of any damage or missing product by registered letter with acknowledgement of receipt within 48 hours after the date of receipt of the goods, in compliance with article L 133-3 of the Commercial Code. Failure to respect these instructions prevents all actions against the Seller and the Carrier.

4 - For any goods delivery, refused without a valid reason or impossible to carry out for various reasons: wrong address, inadequate buildings, lack of a responsible receiving person, non-compliant delivery time, or any other circumstance beyond our control, the price of the new delivery of goods will be invoiced again.

5 - Installation and construction prices are not included in our offer, unless previously agreed, and will be the object of a complementary quotation.

6 - Goods remain the property of CHEMISAFE until the price has been paid in full, but the Purchaser will become liable only upon delivery of goods or their installation.

LACK OF CONFORMITY AND CLAIMS

1 - All claims concerning a lack of conformity to the order (model, delivered quantity, damaged product) should be notified by registered letter with acknowledgement of receipt within 7 days after the date of receipt of goods Using the goods entails the waiver by the Purchaser of all claims for lack of conformity.

2 - No return of goods will be accepted without prior authorization by the Seller. Return, prior agreement with CHEMISAFE, shall be carried out at the expense and risk of the Purchaser in the original package. Returned goods will give rise to a credit note after checking their perfect conditions. A flat discount of 25% will be applied over one month.

3 - Returned goods shall be only standard models. CHEMISAFE will not accept any custom-made product.

WARRANTY

The warranty shall start as of the delivery date of goods (Invoice in lieu of warranty) and does not include consumable parts or routine maintenance and adjustments indicated in the user's guides supplied together with the equipment.

Our warranty applies only in case of defects in conception or a hidden defect and is strictly limited to the replacement of materials and components recognised as faulty by our quality and technical service, the only qualified to judge.

This warranty shall not be applied in the event of storage, use or maintenance by the user non complying with the use or instructions for use or if goods have been damaged by the user or third parties or if the goods have been modified or repaired by the user or third parties without our authorization in writing, nor in case of normal wear or in case of non-payment of all or part of the cost of materials on the due date.

The warranty appliance will not have the effect of extending its term.

Our warranty ceases if the purchaser fails to notify the noted defect within 7 days after the date of detection, which date he should be able to prove.

Warranty does not include:

- Normal wear of the product,
- Use of consumable parts of other brands,
- Product transformation or incompatibility with other materials,
- Improper or non-compliant use of the product with regard to its specifications or negligent storage or maintenance carried out by the customer,
- Improper installation of the product,
- Damages caused by corrosion.

1 - Safety cabinets: the warranty period is THREE YEARS for cabinets with ventilation and ONE YEAR for cabinets without ventilation.

2 - Ventilation units and filtering boxes: the warranty period is ONE YEAR. CHEMISAFE reminds that for ventilation units DIAM125BP, CSF100ABPMY23, K89013BP, K89190 and K89191, the warranty applies only if they are provided with an external connection by means of a sheath or pipe supplied by the Customer or by CHEMISAFE.

CHEMISAFE also reminds that:

- If necessary, filters should be replaced every 3 to 4 months in case of regular use.
- filters should be replaced immediately in case of accidental spillage of a "so called hazardous" substance inside the cabinet.
- Cabinets should be placed in a clean and aerated room.
- Cabinets should be cleaned (maintenance, dust removal,…)

We recommend following the instructions provided on the maintenance sheet and applying the described procedure for dust removal of the filter.

3 - Fume and connected hoods: the warranty period is ONE YEAR.

4 - Emergency shower and others: the warranty period is ONE YEAR.

CHEMISAFE declines all liabilities in case of improper use of the supplied goods other than the original one. The users are solely responsible for any handling, experiences gained and handled products (toxic, radioactive or inflammable) by means of the equipment by CHEMISAFE.

These users shall pay the utmost care when using such products in order to comply with legal requirements, particularly as regards personnel safety, and provisions relating to health and safety at work and accident prevention.

INTELLECTUAL PROPERTY

Photographs, diagrams, logos and texts shown on our commercial documents in paper or digital form, including websites, registered or not at an Intellectual property office, are the exclusive property of CHEMISAFE.
Any infringement of the intellectual property will result in legal proceedings.
All brands and logos shown and mentioned in our technical and commercial documents are filed and belong to their respective owner.

PAYMENT CONDITIONS

1 - Sales in Italy & overseas territories and departments: goods shall be payed within 30 days at the latest by cheque, bank transfer or accepted and domiciled bill (if not otherwise agreed and confirmed on quotation previously).

Equipment sold to a new customer is payable in cash as first order.

The items addressed to the customer must return to CHEMISAFE, whether accepted or not, under pain of being sued for damages..

2 - Export sales: all settlements corresponding to exported products beyond Italian borders will be performed as follows:

- For the first order: 100% pre-payment or documentary remittance versus payment.

PAYMENT DELAY

According to article L441-6 of the Commercial Code, any payment delay will result, at the supplier's discretion and from the first days of delay, in:

- The application of a delay interest equal to the most recent refinancing rate of the European Central Bank plus a further ten points (law on modernisation and economy – LME – No. 2008-776 of 4 August 2008);
- The application of a flat-rate allowance for recovery costs of 40 euros (European Directive 2011/7 of 16 February 2011, law 2012-387 of 22 March 2012 and decree 2012-1115 of 2 October 2012),
- If recovery costs are higher than the amount of the flat-rate allowance, a supplementary compensation is applied, upon justification.

Any default of payment on the due date, as well as any refusal of acceptance of bill of exchange, upon its presentation, results, at the supplier's discretion, in the suspension or termination of all pending orders.

The settlement of all partial deliveries is due to the date mentioned on the corresponding invoice and not at the date of delivery of the balance.

Any deterioration in the purchaser's credit will justify the provision of a guarantee or a payment in cash, before the fulfilment of the received orders.

Under no circumstances, the payments due to CHEMISAFE may be suspended or have any reduction or set-off applied to them without written authorization by CHEMISAFE.

No warranty holdback will be accepted by CHEMISAFE, unless duly agreed previously.

All references to this warranty holdback in the generals conditions of sale are thereby not relevant.

ATTRIBUTION OF JURISDICTION

Except otherwise agreed, in the event of any dispute arising from any order, interpretation and execution of sale agreements, which fall under the Italian law, the court jurisdiction is the commercial court of Treviso.

CHEMISAFE®
SAFETY STORAGE CABINETS

DELIVERY AND INSTALLATION SHEET
To fil and return by telefax to : 0039 0422 827739 or e-mail: info@chemisafe.it

Company

Address

Floor No.

Contact

Telephone

Order Ref.

Cabinet(s) Ref.

*more than 3 steps= 1 floor - ** if you order more cabinets, please notify if they are all for the same room or building

1 - DELIVERY DATE AND TIME

• The delivery will be possible from: _____ / _____ / _____

• Delivery time: ❏ Morning   from _____ to _____

      ❏ Afternoon   from _____ to _____

2 - ACCESS TO BUILDING

• Possibility of delivery with a 3.5 tons truck   ❏ YES   ❏ NO

• Flat surface   ❏ YES   ❏ NO

• Loading dock   ❏ YES   ❏ NO

• Forklift truck   ❏ YES   ❏ NO

3 - INSTALLATION

• Would you like a preliminary visit?   ❏ YES   ❏ NO

• Floor (indicate the no. of floors)   ❏ ground f   ❏ Floor N°

_____

• Goods elevator   ❏ YES   ❏ NO

   ❏ If YES

   Maximum capacity of the goods elevator   Kg _____

   Sizes of the goods elevator (cm)   W _____ x D _____ x H _____

   ❏ If NO

   Type of staircases (spiral, winding, straight…)   _____

   Number of landing   _____

   Manipulation depth minimum of 2,20 m   ❏ SI   ❏ NO

   Number of doors to cross   _____

   Door sizes (cm)   W _____ x H _____

   Path number of meters from exiting the elevator/staircase to the installation site)   _____

   Maximum floor load (Kg)   Kg _____

   Additional notes: _____

     _____

     _____

Signatory NAME: STAMP and signature

Job:

CHEMISAFE®
SAFETY STORAGE CABINETS