CHEMISAFE®
SAFETY STORAGE CABINETS

Safety cabinets certified for the storage of INFLAMMABLES

Standard EN14470-1

The European standard EN 14470-1 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.

Report of fire resistance test with Temperature/Time diagram. Contact thermocouple increase.
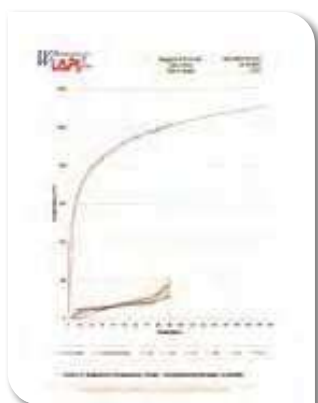
⟳ STANDARD DESCRIPTION

→ 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 and 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 15, 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 and it has the certificates of tests carried out by Bureau Veritas (BV).

→ 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.

CHEMISAFE cabinet series FIRE MY11 BEFORE fire resistance test.

→ 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 (15, 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.

CHEMISAFE cabinet series FIRE MY11 AFTER fire resistance test.

CHEMISAFE will make all the cabinet documents and certifications available.

Storage cabinets for inflammables

FIRE-RESISTANT CERTIFIED
90 minutes (TYPE 90)

⮞ 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.

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)**

Series FIRE MY11 *Grey*

Certified according to EN14470-1 standard Type 90 & EN16121

FIRE-RESISTANT
CERTIFIED
90 minutes (TYPE 90)

CSF232BMY11

CSF239BMY11

CSF239FMY11

✔ **Easy replacement of spare parts in case of damage**

Door closer PS50MY11

Alarm system AT100

Fire-extinguisher ESTINTORE

➡ TECHNICAL FEATURES:

- Completely made of an electrogalvanized steel plate with a thickness of 1 - 1.5 mm, cold bent - Grey RAL7035
- 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
- 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 (Bureau Veritas)**
- Certified according to standard **EN16121 BV (Bureau Veritas)**

SAFETY STORAGE CABINETS FOR INFLAMMABLES

➔ SERIES FIRE MY11

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CSF239BMY11**	Cabinet series FIRE MY11 BASIC with 1 door	595x600x1950	496x446x1540	3 shelves made of **painted** steel (max. load 60 Kg evenly distributed) + 1 retention tray with grid (capacity 20 Litres)	80 / 100	206
CSF239MY11**	Cabinet series FIRE MY11 EASY with 1 door	595x600x1950	496x446x1540	3 shelves made of **stainless** steel (max. load 60 Kg evenly distributed) + 1 retention tray with grid (capacity 20 Litres)	80 / 100	206
CSF232BMY11	Cabinet series FIRE MY11 BASIC with 2 doors	1200x600x1950	1095x446x1540	3 shelves made of **painted** steel (max. load 80 Kg evenly distributed) + 1 retention tray with grid (capacity 45 Litres)	160 / 200	346
CSF232MY11	Cabinet series FIRE MY11 EASY with 2 doors	1200x600x1950	1095x446x1540	3 shelves made of **stainless** steel (max. load 80 Kg evenly distributed) + 1 retention tray with grid (capacity 45 Litres)	160 / 200	346
CSF239FMY11	Cabinet series FIRE MY11 PHARMACY BASIC with 1 door	595x600x1950	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	206

*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*
RIP60VMY11	Additional shelf made of **painted** steel for cabinet with 1 door **W600**	493x420x39	7	20 / 25
RIP120VMY11	Additional shelf made of **painted** steel for cabinet with 2 doors	1094x420x39	16	44 / 55
RIP60MY11	Additional shelf made of **stainless** steel for cabinet with 1 door **W600**	493x420x39	7	20 / 25
RIP120MY11	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	925 x420x39	16	44 / 55
RIP120IS	Additional sliding shelf made of **stainless** steel for S120S	925 x420x39	16	44 / 55
RIPGI	Additional rotating shelf for cabinet with 1 door			
PS50SMY11	Replacement system with closing thermal fuse - left door	-	-	-
PS50MY11	Replacement system with closing thermal fuse - right door	-	-	-
ZOCPAL60MY11	Pallet truck base plate **W600**	595x600x110	-	-
ZOCPAL120MY11	Pallet truck base plate **W1200**	1200x600x110	-	-
CHEMIROLL	Wheel board to move the cabinets (the code ZOCPALMY11 is necessary)	-	-	-
CSFR127	Internal cooling system of the storage cabinet for products with a low flammability degree for high cabinet with 1 door **W600**	-	-	-
CSFR128	Internal cooling system of the storage cabinet for products with a low flammability degree for high cabinet 2 doors	-	-	-
AT100	Visual and audible alarm system with telephone transmission equipped with a digital thermostat with a T probe (°C) inside the cabinet			
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 (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
CSF100BPAMY11	Fresh air box **ATEX** with power cable and filter box - outlet diam. 125 mm	350x370x500
RSOL	Activated charcoal filter for organic solvents - series FIRE MY11 (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	550x500x220
CFNL	Molecular filtration box manufactured, without alarm	550x500x220
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 MY11 Yellow

Certified according to EN14470-1 standard Type 90 & EN16121

FIRE-RESISTANT CERTIFIED
90 minutes (TYPE 90)

CSF232BMY11Y

CSF239BMY11Y

Painted steel shelf
RIP60VMY11

Stainless steel shelf
RIP60XMY11

✓ High storage capacity

➔ TECHNICAL FEATURES:

- Completely made of an electrogalvanized steel plate with a thickness of 1 - 1.5 mm, cold bent - Yellow RAL1021
- 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
- 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 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 steel (**BASIC** series) or of stainless steel (**EASY** series) whose height can be adjusted, 1 retention 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 (Bureau Veritas)**
- Certified according to standard **EN16121 BV (Bureau Veritas)**

SAFETY STORAGE CABINETS FOR INFLAMMABLES

➜ SERIES FIRE MY11

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CSF239BMY11Y**	Yellow cabinet series FIRE MY11 BASIC with 1 door	595x600x1950	496x446x1540	3 shelves made of **painted** steel (max. load 60 Kg evenly distributed) + 1 retention tray with grid (capacity 20 Litres)	80 / 100	206
CSF239MY11Y**	Yellow cabinet series FIRE MY11 EASY with 1 door	595x600x1950	496x446x1540	3 shelves made of **stainless** steel (max. load 60 Kg evenly distributed) + 1 retention tray with grid (capacity 20 Litres)	80 / 100	206
CSF232BMY11Y	Yellow cabinet series FIRE MY11 BASIC with 2 doors	1200x600x1950	1095x446x1540	3 shelves made of **painted** steel (max. load 80 Kg evenly distributed) + 1 retention tray with grid (capacity 45 Litres)	160 / 200	346
CSF232MY11Y	Yellow cabinet series FIRE MY11 EASY with 2 doors	1200x600x1950	1095x446x1540	3 shelves made of **stainless** steel (max. load 80 Kg evenly distributed) + 1 retention tray with grid (capacity 45 Litres)	160 / 200	346

*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*
RIP60VMY11	Additional shelf made of **painted** steel for cabinet with 1 door **W600**	493x420x39	7	20 / 25
RIP120VMY11	Additional shelf made of **painted** steel for cabinet with 2 doors	1094x420x39	16	44 / 55
RIP60MY11	Additional shelf made of **stainless** steel for cabinet with 1 door **W600**	493x420x39	7	20 /25
RIP120MY11	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	925 x420x39	16	44 / 55
RIP120IS	Additional sliding shelf made of **stainless** steel for S120S	925 x420x39	16	44 / 55
RIPGI	Additional rotating shelf for cabinet with 1 door			
PS50SMY11	Replacement system with closing thermal fuse - left door	-	-	-
PS50MY11	Replacement system with closing thermal fuse - right door	-	-	-
ZOCPAL60MY11	Pallet truck base plate **W600**	595x600x110	-	-
ZOCPAL120MY11	Pallet truck base plate **W1200**	1200x600x110	-	-
CHEMIROLL	Wheel board to move the cabinets (the code ZOCPALMY11 is necessary)	-	-	-
CSFR127	Internal cooling system of the storage cabinet for products with a low flammability degree for high cabinet with 1 door **W600**	-	-	-
CSFR128	Internal cooling system of the storage cabinet for products with a low flammability degree for high cabinet 2 doors	-	-	-
AT100	Visual and audible alarm system with telephone transmission equipped with a digital thermostat with a T probe (°C) inside the cabinet			
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 (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
CSF100BPAMY11	Fresh air box **ATEX** with power cable and filter box - outlet diam. 125 mm	350x370x500
RSOL	Activated charcoal filter for organic solvents - series FIRE MY11 (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	550x500x220
CFNL	Molecular filtration box manufactured, without alarm	550x500x220
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 MY11 Grey

Certified according to EN14470-1 standard Type 90 & EN16121

FIRE-RESISTANT **CERTIFIED** 90 minutes (TYPE 90)

CSF240BMY11 OPEN

CSF240BMY11

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 RAL7035
- 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
- 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 (Bureau Veritas)**
- Certified according to standard **EN16121 BV (Bureau Veritas)**

SAFETY STORAGE CABINETS FOR INFLAMMABLES

➔ SERIES BIG FIRE MY11

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CSF240BMY11**	Cabinet series BIG FIRE MY11 BASIC with 1 door - **W900**	895x600x1950	796x446x1540	3 shelves made of **painted** steel (max. load 70 Kg evenly distributed) + 1 retention tray with grid (capacity 25 Litres)	128 / 160	275
CSF240MY11**	Cabinet series BIG FIRE MY11 EASY with 1 door - **W900**	895x600x1950	796x446x1540	3 shelves made of **stainless** steel (max. load 70 Kg evenly distributed) + 1 retention tray with grid (capacity 25 Litres)	128 / 160	275

*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*
RIP90VMY11	Additional shelf made of **painted** steel for cabinet with 1 door **W900**	793x420x39	12	32 / 40
RIP90MY11	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
PS50SMY11	Replacement system with closing thermal fuse - left door	-	-	-
PS50MY11	Replacement system with closing thermal fuse - right door	-	-	-
ZOCPAL90MY11	Pallet truck base plate **W900**	895x600x110	-	-
CHEMIROLL	Wheel board to move the cabinets (the code ZOCPALMY11 is necessary)	-	-	-
CSFR129	Internal cooling system of the storage cabinet for products with a low flammability degree for high cabinet with 1 door **W900**	-	-	-
AT100	Visual and audible alarm system with telephone transmission equipped with a digital thermostat with a T probe (°C) inside the cabinet			
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 (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
CSF100BPAMY11	Fresh air box **ATEX** with power cable and filter box - outlet diam. 125 mm	350x370x500
RSOL	Activated charcoal filter for organic solvents - series FIRE MY11 (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	550x500x220
CFNL	Molecular filtration box manufactured, without alarm	550x500x220
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

THE NEW WAY!
More storage, less expensive, same security

CHEMISAFE SAFETY STORAGE CABINETS

EN 14470-1 16121

Series BIG FIRE MY11 Yellow

Certified according to EN14470-1 standard Type 90 & EN16121

FIRE-RESISTANT CERTIFIED
90 minutes (TYPE 90)

CSF240BMY11Y OPEN

CSF240BMY11Y

THE NEW WAY
More storage, less expensive, same security

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 RAL7035
- 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
- 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 (Bureau Veritas)**
- Certified according to standard **EN16121 BV (Bureau Veritas)**

SAFETY STORAGE CABINETS FOR INFLAMMABLES

→ SERIES BIG FIRE MY11

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CSF240BMY11Y**	Yellow cabinet series BIG FIRE MY11 BASIC with 1 door - **W900**	895x600x1950	796x446x1540	3 shelves made of **painted** steel (max. load 70 Kg evenly distributed) + 1 retention tray with grid (capacity 25 Litres)	128 / 160	275
CSF240MY11Y**	Yellow cabinet series BIG FIRE MY11 EASY with 1 door - **W900**	895x600x1950	796x446x1540	3 shelves made of **stainless** steel (max. load 70 Kg evenly distributed) + 1 retention tray with grid (capacity 25 Litres)	128 / 160	275

*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*
RIP90VMY11	Additional shelf made of **painted** steel for cabinet with 1 door **W900**	793x420x39	12	32 / 40
RIP90MY11	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
PS50SMY11	Replacement system with closing thermal fuse - left door	-	-	-
PS50MY11	Replacement system with closing thermal fuse - right door	-	-	-
ZOCPAL90MY11	Pallet truck base plate **W900**	895x600x110	-	-
CHEMIROLL	Wheel board to move the cabinets (the code ZOCPALMY11 is necessary)	-	-	-
CSFR129	Internal cooling system of the storage cabinet for products with a low flammability degree for high cabinet with 1 door **W900**	-	-	-
AT100	Visual and audible alarm system with telephone transmission equipped with a digital thermostat with a T probe (°C) inside the cabinet			
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 (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
CSF100BPAMY11	Fresh air box **ATEX** with power cable and filter box - outlet diam. 125 mm	350x370x500
RSOL	Activated charcoal filter for organic solvents - series FIRE MY11 (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	550x500x220
CFNL	Molecular filtration box manufactured, without alarm	550x500x220
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

THE NEW WAY!
More storage, less expensive, same security

CHEMISAFE SAFETY STORAGE CABINETS

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EN 14470-1
16121

Series BACMY11 Grey
Certified according to EN14470-1 standard Type 90 & EN16121

FIRE-RESISTANT
CERTIFIED
90 minutes (TYPE 90)

CSF232BACMY11

CSF239BACMY11

Alarm system AT100

Painted steel shelf
RIP60VMY11

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 RAL7035
- 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
- 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 (Bureau Veritas)**
- Certified according to standard **EN16121 BV (Bureau Veritas)**

SAFETY STORAGE CABINETS FOR INFLAMMABLES

→ SERIES BACMY11

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (Kg)
CSF239BACMY11**	Cabinet series BACMY11 with 1 door	595x600x1950	496x446x1540	3 shelves made of **painted** steel (max. load 60 Kg evenly distributed) + 1 retention tray with grid (capacity 20 Litres)	80/100	209
CSF232BACMY11	Cabinet series BACMY11 BASIC with 2 doors	1200x600x1950	1095x446x1540	3 shelves made of **painted** steel (max. load 80 Kg evenly distributed) + 1 retention tray with grating (capacity 45 Litres)	160 / 200	349

*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*
RIP60VMY11	Additional shelf made of **painted** steel for cabinet with 1 door **W600**	493x420x39	7	20 / 25
RIP120VMY11	Additional shelf made of **painted** steel for cabinet with 2 doors	1094x420x39	16	44 / 55
RIP60MY11	Additional shelf made of **stainless** steel for cabinet with 1 door **W600**	493x420x39	7	20 / 25
RIP120MY11	Additional shelf made of **stainless** steel for cabinet with 2 doors	1094x420x39	16	44 / 55
RIPGI	Additional rotating shelf for cabinet with 1 door			
PS50SMY11	Replacement system with closing thermal fuse - left door	-	-	-
PS50MY11	Replacement system with closing thermal fuse - right door	-	-	-
ZOCPAL60MY11	Pallet truck base plate **W600**	595x600x110	-	-
ZOCPAL120MY11	Pallet truck base plate **W1200**	1200x600x110	-	-
CHEMIROLL	Wheel board to move the cabinets (the code ZOCPALMY11 is necessary)	-	-	-
CSFR127	Internal cooling system of the storage cabinet for products with a low flammability degree for high cabinet with 1 door **W600**	-	-	-
CSFR128	Internal cooling system of the storage cabinet for products with a low flammability degree for high cabinet with 2 doors	-	-	-

*Approximate capacity in bottles holding 1 litre

→ VENTILATION (optional)*

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
DIAM125BP	Fresh air box holding box for high cabinet with 1 or 2 doors - outlet Ø: 125 mm (filter excluded)	290x290x270
CSF100BPAMY11	Fresh air box **ATEX** with power cable - outlet diam. 125 mm	350x370x500
RSOL	Activated charcoal filter for organic solvents - series FIRE MY11 (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 NFX15-211 standard, with visual and audible alarm	550x500x220
CFNL	Molecular filtration box manufactured, without alarm	550x500x220
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

EN 14470-1 16121

Series BACMY11 Yellow

Certified according to EN14470-1 standard Type 90 & EN16121

FIRE-RESISTANT CERTIFIED
90 minutes (TYPE 90)

CSF239BACMY11Y

CSF232BACMY11Y

CSF232BACMY11Y

Closing system

Shelf made of painted steel RIP60VMY11

Ideal for industry!

→ TECHNICAL FEATURES:

- Completely made of an electrogalvanized steel plate with a thickness of 1 - 1.5 mm, cold bent - Yellow RAL1021
- 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 the 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
- Air inlet and outlet with certified fire dampers closing ducts when the temperature exceeds 70 °C according to standard e 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 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 (Bureau Veritas)**
- Certified according to standard **EN16121 BV (Bureau Veritas)**

SAFETY STORAGE CABINETS FOR INFLAMMABLES

➔ SERIES BACMY11

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) mm	INTERNAL DIMENSIONS (WxDxH) mm	INTERNAL EQUIPMENT	STORAGE CAPACITY*	Weight (kg)
CSF239BACMY11Y**	Cabinet series BACMY11 with 1 door	595x600x1950	496x446x1540	3 shelves made of **painted** steel (max. load 60 KG evenly distributed) + 1 retention tray with grid (capacity 20 Litres)	80/100	209
CSF232BACMY11Y	Cabinet series BACMY11 BASIC with 2 doors	1200x600x1950	1095x446x1540	3 shelves made of **painted** steel (max. load 80 KG evenly distributed) + 1 retention tray with grid (capacity 45 Litres)	160 / 200	349

*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*
RIP60VMY11	Additional shelf made of **painted** steel for cabinet with 1 door **W600**	493x420x39	7	20 / 25
RIP120VMY11	Additional shelf made of **painted** steel for cabinet with 2 doors	1094x420x39	16	44 / 55
RIP60MY11	Additional shelf made of **stainless** steel for cabinet with 1 door **W600**	493x420x39	7	20 / 25
RIP120MY11	Additional shelf made of **stainless** steel for cabinet with 2 doors	1094x420x39	16	44 / 55
RIPGI	Additional rotating shelf for cabinet with 1 door			
PS50SMY11	Replacement system with closing thermal fuse - left door	-	-	-
PS50MY11	Replacement system with closing thermal fuse - right door	-	-	-
ZOCPAL60MY11	Pallet truck base plate **W600**	595x600x110	-	-
ZOCPAL120MY11	Pallet truck base plate **W1200**	1200x600x110	-	-
CHEMIROLL	Wheel board to move the cabinets (the code ZOCPALMY11 is necessary)	-	-	-
CSFR127	Internal cooling system of the storage cabinet for products with a low flammability degree for high cabinet with 1 door **W600**	-	-	-
CSFR128	Internal cooling system of the storage cabinet for products with a low flammability degree for high cabinet with 2 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
CSF100BPAMY11	Fresh air box **ATEX** with power cable and filter box - outlet diam. 125 mm	350x370x500
RSOL	Activated charcoal filter for organic solvents - series FIRE MY11 (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	550x500x220
CFNL	Molecular filtration box manufactured, without alarm	550x500x220
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

EN 14470-1

SAFETY FIRE CASE
Certified according to EN14470-1 Type 30

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

FIRE-RESISTANT
CERTIFIED
30 minutes (TYPE 30)

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

PORTABLE, PRACTICAL AND SAFE SAFETY FIRE CASE

SAFETY STORAGE CABINETS FOR INFLAMMABLES

→ TECHNICAL FEATURES:

- Completely made of an electrogalvanized steel plate with a thickness from 1 to 1.5 mm, cold bent - Grey RAL7031
- 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 EN14470-1

- 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 (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 **stainless** steel retention tray (capacity 1.5 Litres)	4 bottles holding 1litre or 1 bottle holding 5 litres	18

*Capacité approximative en bouteilles de 1 litre par armoire

→ EQUIPMENT (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm	RETENTION VOLUME (LITRES)	STORAGE CAPACITY*
CSF550	Wall mounting system	-	-	-
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.

A- 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
CS107953	Controlled exhaust tank (10 litres)
CS106480	Controlled exhaust cap

Connection to an underbench funnel

- 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

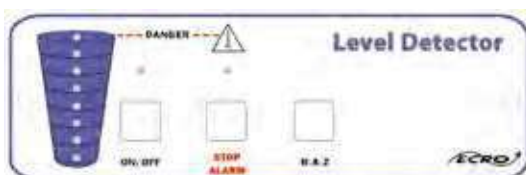### *Connection to a basin under fume cabinet*

B- Filling level control without contact by weighing

This system allows checking the liquid level contained in the bottle and controlling an alarm when the critical level is reached. A relay output (dry contact) is foreseen for this purpose. The system is equipped with an electronic control of the tare weight and of the high level to measure the precise level variations.

➔ TECHNICAL FEATURES:

• Power: current network 230Vca / 50Hz

• Consumption: 100 mA

• Minimum capacity: 60 Kg

• Operating temperature : from -10 °C to 50 °C

• Plate dimensions: (WxDxH) 340x340x 340 mm

• Overall dimensions: (WxDxH) 360x360x250 mm

• Degree of protection: IP55

• Relay detector alarm: 1A / 230Vca

Please contact us to ask for a customized solution

C - Filling level electronic control without contact through optical and acoustic signals

Contactless detection of the container filling level. The sensor sensitivity can be adjusted for the various thicknesses of the existing walls. The signalling box emits some optical and acoustic signals indicating that the filling level defined before has been reached. It is suitable for all non-conductive glass or plastic packaging. It is not suitable for stainless steel containers or for conductive plastic bottles.

• Easy assembly for all non-conductive glass or plastic packaging

• Reusable when the container is empty

• Possibility of monitoring simultaneously several containers

• All signal boxes are delivered with a power supply (110/230V)

Please contact us to ask
for a customized solution

EN[14470-1]

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

Visual and audible alarm system with telephone transmission

➜ **TECHNICAL FEATURES:**

• **Visual and audible alarm system with telephone transmission equipped with a T probe (°C) located inside the cabinet.** If the temperature setpoint is exceeded, an audible and visual alarm rings on the cabinet and calls one of the 24 prerecorded telephone numbers in the system.
• Temperature range: -40 / +90 °C
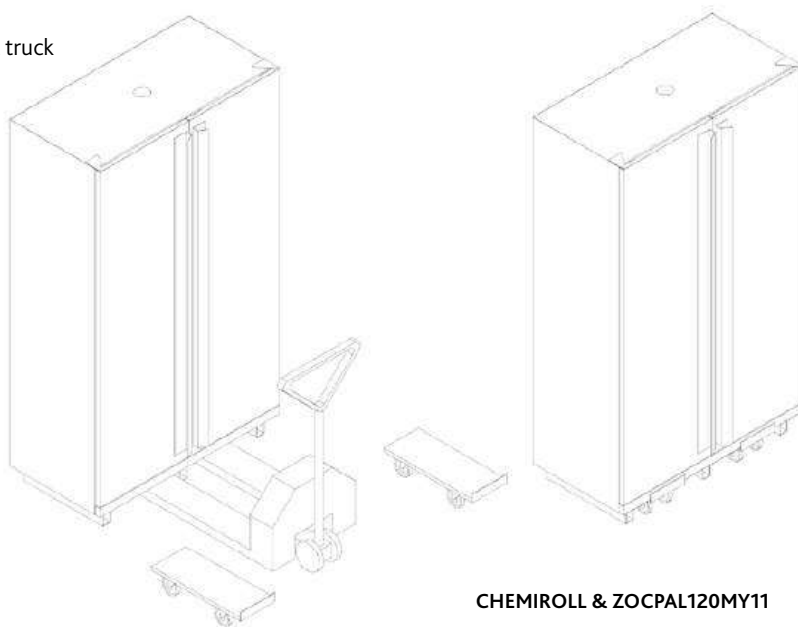• Accuracy: +/- 1 °C
• Resolution: 1 °C

Base plate and wheel board

➜ TECHNICAL FEATURES:

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

Detail of the magnetized base plate

CHEMIROLL & ZOCPAL120MY11

CHEMISAFE®
SAFETY STORAGE CABINETS

Authorized dealer: