CHEMISAFE®
SAFETY STORAGE CABINETS

Li-ion Battery
Lithium

CERTIFIED
FIRE RESISTANCE
90 minutes (TYPE 90)
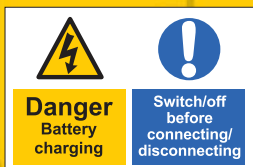
LITHIUMSAFE

Safety storage cabinet for LITHIUM BATTERIES
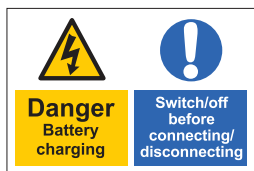
Certified to new standard
EN 14470-1 TYPE 90

DANGER

Danger
Battery charging

Switch/off before connecting/ disconnecting

DANGER
Li-ion

LITHIUMSAFE

Safety storage cabinet for LITHIUM BATTERIES

CERTIFIED
FIRE RESISTANCE
90 minutes (TYPE 90)

Danger
Battery charging

Switch/off before connecting/disconnecting

DANGER
Li-ion

Essential for reducing risks to a minimum and preventing disasters

➜ MAIN CHARACTERISTICS:

- Made entirely of 1/1.5 mm thick cold-pressed sheet steel painted with anti-acid epoxy powder and then placed in a heat tunnel at 200 °C
- Special insulation consisting of high density fibre panels (**ceramic fibre-free**) for high temperatures (800 °C) and calcium sulphate panels
- Internal melamine laminate faced panels with high resistance to vapours, even aggressive ones
- **Certified to new standard EN 14470-1 TYPE 90**
- Automatic hydraulic closing of doors at temperatures of over 47 °C

- Key-operated lock and door block system
- Height-adjustable feet
- **90 minute certified** automatic closing valves (70 °C) for air inlet and outlet pipes, located on top and bottom of cabinet
- 100 mm dia. ventilation hole on roof of cabinet
- Anti-spark hinge which guarantees excellent door stability
- 3 cm thermo-expanding seal (DIN 4102)
- 4 perforated shelves, 1094 x 420 x 39 (H) mm
- Earth terminal to prevent electrostatic discharge

CHEMISAFE®
SAFETY STORAGE CABINETS

EN 14470-1 / 16121

LITHIUMSAFE
Safety storage cabinet for LITHIUM BATTERIES

CERTIFIED FIRE RESISTANCE
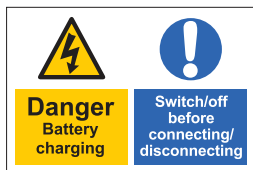90 minutes (TYPE 90)

Electric fan and flashing light

Smoke sensor

Temperature sensor

Fire extinguisher

Danger Battery charging

Switch/off before connecting/disconnecting

DANGER Li-ion

12 UNEL 220V electrical sockets with thermal cut-out

AUTOMATIC EXTINGUISHING UNIT
for fire protection

For safety storage cabinets
for **LITHIUMSAFE** LITHIUM BATTERIES

Automatic extinguishing unit

➜ TECHNICAL CHARACTERISTICS:

- LPCB certified to EN 12094-1 and EN54.2 and 4
- Fire detection and automatic extinguishing
- 128 x 64 pixel graphic display
- Fire-extinguishing button on front of unit
- Key-operated switch for selecting extinguishing mode: manual only or manual and automatic
- 3 outputs for sirens
- 3A power supply unit
- Low absorption when idle: only 40mA
- Inputs and outputs for remote control of functions
- Input for Stop extinguishing button and Cancel extinguishing button
- Event storage
- RS-485 for remote panel connection

➜ AUTOMATIC EXTINGUISHING UNIT

Automatic fire extinguishing systems are a vital part of fire protection.

The automatic fire extinguishing system operates by detecting the presence of fire and controlling the discharge of extinguishing media so that damage caused by the fire is reduced to a minimum. The automatic extinguishing system includes a fire detection system, an extinguishing control unit and condensed aerosol generators.

The information on the front panel display makes programming and use of the unit easier.

The fact that users can program delayed activation of the sirens, delayed activation of the extinguishing system, the discharge time and the duration of fire extinguishing makes the unit highly flexible. A manual discharge button is located on the front of the unit and the Stop extinguishing and Cancel extinguishing buttons can be connected to the unit. The unit extinguishing output can activate two solenoid valves or several pyrotechnic actuators.

The remote panels have a display which indicates system status, an extinguishing media discharge activation button and a key-operated switch for selecting the extinguishing activation mode.

GSM PHONE DIALLER
for the FIRE/SAFETY sector
For safety storage cabinets
for **LITHIUMSAFE** LITHIUM BATTERIES

GSM phone dialler

➜ TECHNICAL CHARACTERISTICS:
- Power supply from 10.5V to 30V
- 2.8" touch screen
- GSM/GPRS connection
- 4 relay outputs
- 6 programmable inputs
- Can store up to 1000 phone numbers

➜ GSM PHONE DIALLER

GSM phone dialler for the FIRE/SAFETY sector. The dialler outputs can be associated with alarm events or remotely controlled. Personalized profiles can be created for each number based on special requirements. 2.8" touch screen LCD display. Graphic interface that makes installation easier and quicker and makes it easier for the end user to use.

The icons are similar to those on a normal mobile phone which makes entering data intuitive and very simple.

The Report icon can be used to carefully control the programmed settings. Connection to the Internet is via a security procedure that can be completely remotely controlled so that the dialler can be remotely programmed, an event log can be generated and the outputs can be activated.

The dialler constantly checks its operating status (signal strength, power supply, correct internal operation) and can restart in fault conditions without the need for external intervention. This guarantees a higher level of safety. If there is no GSM signal, one of the outputs can be programmed to indicate the problem.

➜ LITHIUMSAFE

CODE	DESCRIPTION	EXTERNAL DIMENSIONS (WxDxH) in mm
CSF239BMY11D/L	Safety cabinet for lithium batteries - 1 right door	595x600x1950
CSF239BMY11S/L	Safety cabinet for lithium batteries - 1 left door	595x600x1950
CSF240BMY11D/L	Safety cabinet for lithium batteries - 1 right door	895x600x1950
CSF240BMY11S/L	Safety cabinet for lithium batteries - 1 left door	895x600x1950
CSF232BMY11/L	Safety cabinet for lithium batteries - 2 doors	1200x600x1950

➜ ACCESSORIES (optional)

CODE	DESCRIPTION	DIMENSIONS (WxDxH) mm
LSSA	Automatic extinguisher for 60 - 90 -120 safety cabinets	
LSCR	Automatic extinguisher panel control with smoke sensor flashing light panel for «60 - 90 -120» safety cabinets	
S12	12 electrical sockets with thermal cut-out	
CEGSM	Fire safety GSM	
RIP60LS	Perfored epoxy coated shelf for «60» safety cabinet	490x420x39
RIP90LS	Perfored epoxy coated shelf for «90» safety cabinet	695x420x39
RIP120LS	Perfored epoxy coated shelf for «120» safety cabinet	1090x420x39
DIAM125BP	Electro no-sparks exhaust fan in metallic box, cable, on/off switch - Filter compartement (filter not included)	
CSF100BPAMY11	ATEX electro exhaust fan + filter box	
RSOL	Activated carbon filter for DIAM125BP	
CFN	Exhaust unit molecular filtration certified as from norm NFX15-211 (filter and dust filter not included)	
CFNL	Exhaust unit molecular filtration without alarm (filter not included)	
CSAS	Activated carbon filter for Solvents with dust filter (for CFN)	
CSBE	Activated carbon filter for Acids with dust filter (for CFN)	
CSMP	Activated carbon filter for Solvents&Acids with dust filter (for CFN)	
CSPF	Dust filter (for CFN) spare part	

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SAFETY STORAGE CABINETS

Li-ion Battery

Lithium

CHEMISAFE

DANGER

Li-ion

Authorized dealer