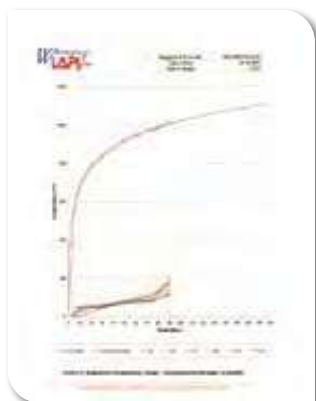


Standard EN14470-1



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).



CHEMISAFE cabinet series FIRE MY11
BEFORE fire resistance test.

➔ 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 (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.

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



→ 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

