CELSIA
Fire Protection Solution

Certified Fire-Resistance
- EN 1047-1 (ECB•S)
  S 60 P & S 120 P

Fichet-Bauche

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All businesses store a large volume of documentation which simply cannot be lost. Certain documents, such as accounting and employee records, must be kept by law, often for many years. With this in mind, fire is a very real threat to your business since it can result in the destruction of irreplaceable documents.

Product Overview

Celsia is available in three sizes, ranging from the highly functional Celsia 200 to the double-door Celsia 800 with maximum storage capacity. All three cabinets can store and protect paper documents and, when fitted with an optional data media compartment (certified S 60 DIS), will also protect data media from fire for one hour. To provide additional storage options, the Celsia 800 is also designed to hold suspension files.

Fire Protection

Celsia meets the requirements of the internationally recognised EN 1047-1 standard and is certified by ECB•S (European Certification Board•Security Systems) in the fire resistance classes S 60 P and S 120 P, indicating one hour and two hours of document fire protection respectively. This guarantees that your documents benefit from the highest level of protection currently available.

Locks

Celsia cabinets have been designed to be equipped with Fichet-Bauche's patented mechanical and electronic locks. The locks, all of which are A2P/EN 1300 certified, can be fitted either individually or in conjunction with one another.

Fichet-Bauche's unique M3B key.

The M3B – A2P level B – is a high-security mechanical lock. Due to the innovative shape and design of the key, over 10 million different possible keys can be manufactured, making replication extremely difficult. For added security, a blocking system prevents the key from being removed until the door has been properly locked.

The Moneo mechanical combination lock – level B/E – permits several million different codes. Its scramble-upon-opening feature ensures that the dials are automatically reset to 0 after each usage.

The Nectra electronic lock – level B/E – generates more than 110 million different code combinations and offers several levels of functionality. The standard version has 1 master code and 7 user codes, wrong-code blocking, time delay and a duress alarm. This can be upgraded with the audit trail function (which records up to 500 events) and a biometric digital fingerprint reader.

Ev'Hora electronic locks – level B/E – are capable of exchanging and sharing information with one another and with your security system, allowing you to rapidly modify security procedures.

SINGLE LOCKS	LOCK COMBINATIONS
M3B, Nectra,	M3B + M3B
Moneo, Ev'Hora	M3B + Nectra
	M3B + Moneo
	M3B + Ev'Hora

Moneo

Nectra

Ev'Hora

Interior Fittings

Celsia cabinets are ergonomically designed and can be equipped with a whole host of practical fittings.

◄ *Interior fittings (from top left): Fixed shelf, extensible shelf with dividers, extensible frame for hanging files, lockable compartment, fireproof data media compartment.*

Fire Testing Procedure

In order to obtain certification, Celsia has passed fire endurance, thermal shock and impact tests. Celsia has proved its exceptional fire resistance in accordance with the EN 1047-1 standard. Exposed to flames hotter than 1000 °C during the testing procedure, Celsia successfully protected paper documents which, without protection, cannot survive temperatures more than 170 °C .

Fire Endurance Test

Celsia is placed in an oven and heated for one hour (corresponding to S 60 P) or two hours (for S 120 P) in accordance with the international time temperature curve. After having been heated, the cooling period begins. From the moment the burners have stopped and the temperature in the cabinet starts to fall, the cooling period is a minimum of 12 hours for S 120 P and one hour for S 60 P.

Thermal Shock and Impact Test

First the oven is heated to 1090 °C and a new cabinet is placed inside for exposure to the extreme heat. The oven is heated to 1090 °C for 45 minutes for the S 120 P test and 22.5 minutes for the S 60 P test. After being removed from the oven, the cabinet is raised 9.15 metres from the ground and dropped onto a bed of pebbles. Then, after a 20-minute period of natural cooling, the cabinet is placed back inside the furnace for an additional period of heat exposure, this time at a temperature of 840 °C. The final cooling period is the same as that for the fire endurance test.

Test Verification

Once tested, products are analysed by the test laboratory in order to verify that they correspond to the technical drawings delivered prior to the test.

Fichet-Bauche Technology

Celsia cabinets benefit from the latest Fichet-Bauche fireproof technology. Thanks to the material used, the design of the seals and their "mono-block" construction, Celsia cabinets guarantee a stable temperature and humidity level to keep your data media safe.

- A fire-resistant composite material called Mirium, patented by Fichet-Bauche, provides extra light and enhanced thermal insulation. Due to its reinforced cellular structure, this material offers remarkable physical integrity in the event of an impact or drop.

- The joints of the safe are equipped with several levels of seals to prevent the entry of flames, hot gases, dust and humidity.

- Galvanised steel protects against corrosion.

Fichet-Bauche Guarantee

Fichet-Bauche products are designed and manufactured in accordance with the ISO 9001 standard for Quality Management Systems and ISO 14000 for Environmental Management Systems. All Celsia cabinet components are tested by the Fichet-Bauche laboratory in compliance with the current European standards.

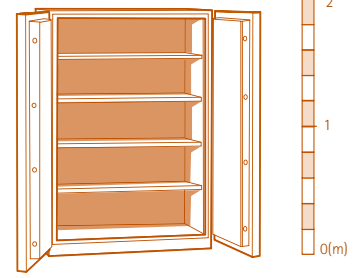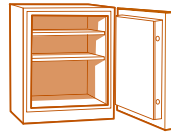Fire endurance test

Removal of cabinet from oven

Impact test

CELSIA
Technical Specifications

Dimensions (mm)	CELSIA 200	CELSIA 400	CELSIA 800
External height	882	1403	1970
External width (incl. hinges)	727	912	1294
External depth	602	664	664
External width (door open 90°)	830	1052	1560
External width (door open 180°)	1432	1804	2615
External depth (door open 90°)	1263	1478	1281
Internal height	703	1200	1770
Internal width	594	734	1094
Internal depth	422	430	430
Interior capacity (litres)	176	379	833
Weight (kg)	189	450	800
Fire resistance	S 60 P	S 120 P	S 120 P

Fittings and options (H × W × D in mm)	CELSIA 200	CELSIA 400	CELSIA 800
Fixed shelf	30 × 591 × 410	25 × 730 × 374	25 × 1090 × 374
Extensible shelf with dividers	–	100 × 639 × 380	100 × 1055 × 380
Extensible rack for hanging files	–	100 × 711 × 421	100 × 711 × 421
Lockable compartment	–	361 × 727 × 395	361 × 1087 × 395
Data media compartment	Int: 250 × 456 × 219 Ext: 336 × 542 × 305	Int: 250 × 456 × 219 Ext: 336 × 542 × 305	Int: 250 × 456 × 219 Ext: 336 × 542 × 305

Capacity	CELSIA 200	CELSIA 400	CELSIA 800
Linear metres for suspension files*	1.2	3	6.5
Rows of suspension files by height	2	4	6
Rows of suspension files by width	–	2	3
Max. no. of suspension files*	60	150	300
No. of rows of folders**	2	3	5
Max. no. of diskettes	200	500	500

* Average thickness of suspension file = 2cm

** Folder dimensions (H × W in mm) = 310 × 70

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