

VULCANE

Fire Protection Solution

DATA MEDIA CABINETS



Certified Fire-Resistance

- EN 1047-1 (ECB•S)
- S 60 DIS

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As the virtual landscape of the business world expands, more and more of a company's vital information is being stored digitally. In order to give this valuable data media the protection it deserves, Fichet-Bauche has developed the Vulcane range of fireproof cabinets.

Did you know?

Paper combusts at 170 °C, with or without direct contact with flames.

Magnetic media is destroyed at temperatures exceeding only 50 °C and paper combusts at 170 °C.

A fire can easily reach temperatures of 1200 °C.

Product Overview

Vulcane is available in two sizes with a wide range of interior fittings. The cabinets have been designed to be low in weight and to provide excellent fire protection. With its compact dimensions, Vulcane will easily fit into any modern office space – the 40-litre model, for example, is small enough to fit under a desk. The cabinet is also simple and quick to use. In an emergency, its slam action allows the door to be swiftly closed and sealed.



Fire Protection

Vulcane 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 class S 60 DIS indicating one hour of data media fire protection.

Locks

Vulcane cabinets have been designed to be equipped with a Fichet-Bauche patented mechanical or electronic lock. The locks can be fitted either individually or in conjunction with one another.

The M3B – 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 LG Basic is a high-security electronic lock with numeric keypad and wrong-code blocking.

- ◀ Vulcane can be fitted with one of two facias – Africa (wood) or Arctic (plexiglass).



M3B



LG Basic



M3B key



Interior fittings (from left): Fixed shelf, extensible shelf, extensible shelf with dividers.

Interior Fittings

Interior fittings for Vulcane can be selected to suit your needs. All the fittings can be adjusted to easily accommodate different types of media, e.g. CDs, DVDs, DAT cassettes, etc.

Fire Testing Procedure

In order to obtain certification, Vulcane has passed fire endurance, thermal shock and impact tests. Vulcane 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, Vulcane successfully protected data media which, without protection, cannot survive temperatures more than 50°C.

Fire Endurance Test

Vulcane is placed in an oven and heated for one hour 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 one hour.

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 30 minutes. 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 30 minutes of heat exposure, this time at a temperature of 840°C. The final cooling period is the same as that in 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

Vulcane cabinets benefit from the latest Fichet-Bauche fireproof technology. Thanks to the material used, seal design and their "mono-block" construction, Vulcane 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 seal 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 Vulcane cabinet components are tested by the Fichet-Bauche laboratory in compliance with current European standards.

Fire endurance test



Removal of cabinet from oven

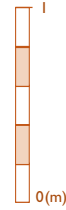
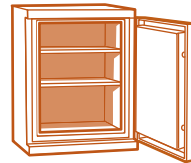
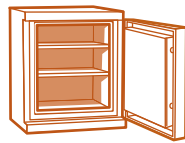


Impact test



VULCANE

Technical Specifications



| Dimensions (mm) | VULCANE 40 | VULCANE 80 |
|---------------------------------|------------|------------|
| External height | 644 | 723 |
| External width | 566 | 671 |
| External depth | 565 | 670 |
| External width (door open 90°) | 682 | 782 |
| External width (door open 180°) | 1112 | 1312 |
| External depth (door open 90°) | 1049 | 1231 |
| Internal height | 370 | 450 |
| Internal width | 320 | 430 |
| Internal depth | 320 | 420 |
| Interior capacity (litres) | 37 | 81 |
| Weight (kg) | 135 | 195 |

| Fittings and options (H x W x D in mm) | VULCANE 40 | VULCANE 80 |
|---|----------------|----------------|
| Fixed shelf | 15 x 315 x 315 | 15 x 415 x 415 |
| Extensible shelf | 80 x 288 x 313 | 80 x 388 x 413 |
| Extensible shelf with dividers | 90 x 286 x 286 | 90 x 386 x 386 |

| Capacity | VULCANE 40 | | VULCANE 80 | |
|----------|----------------|----------------|----------------|----------------|
| | No. of Shelves | Total Capacity | No. of Shelves | Total Capacity |
| CD | 2 | 148 | 3 | 321 |
| DVD | 2 | 212 | 3 | 309 |
| DLT | 3 | 54 | 3 | 132 |