

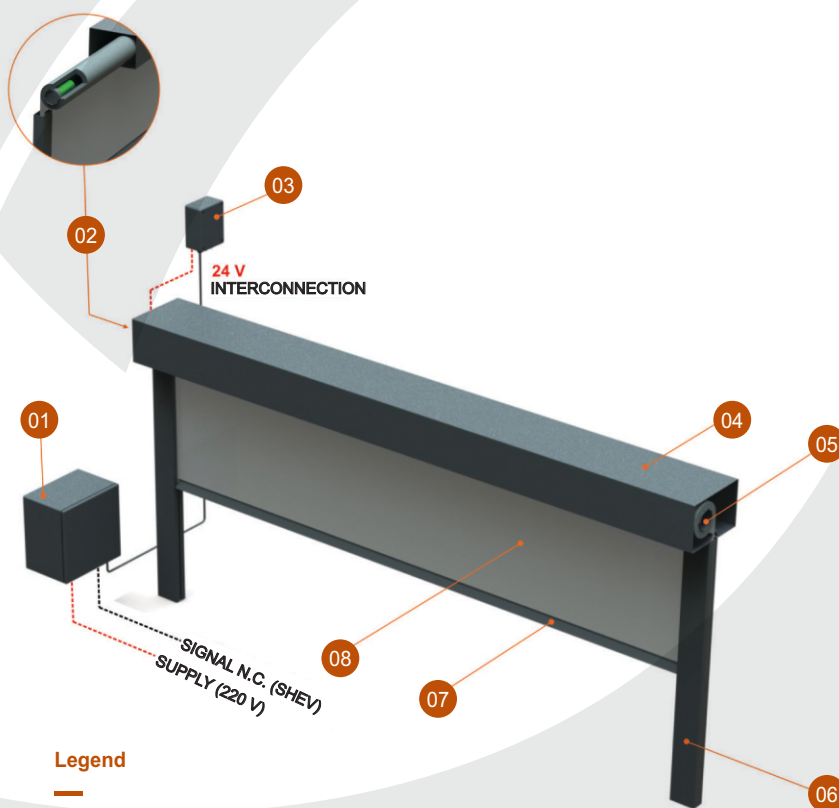


Automatic Fire Curtain

BACH FIRE E120 is an Automatic Fire Curtain that in case of fire limits and controls the fire, with classification E120. The curtain is composed by: fiberglass fabric with polyurethane or silicone coating on both sides, seamed with steel wire and fixed to a steel roller of 70mm of diameter; galvanized headboxes; galvanized side guides; bottom bar; tubular motor of 24Vcc; BACH's Motor Regulation Box – reference CRM, full fail-safe by gravity with controlled braking; BACH's Control Panel – reference CBM, with input of 220Vac and output of 24Vcc; UPS System (Uninterruptible Power Supply) with an autonomy up to 6 hours. Tested and approved according to the European Standards UNE EN 1634-1 y UNE EN 1363-1.

Operating System

The system can be activated by a SHEV, by a fire alarm or by internal fire and smoke detection devices. In case of fire the BACH's Control Panel – reference CBM, receives the signal alarm, either from the Smoke Control and Fire Management System or from a smoke detection device, and the smoke curtain falls down automatically, with a controlled and safe rate of descent even following total power loss on all curtains. In case of power loss the curtain will remain fully retracted up to 6 hours thanks to BACH's battery back-up system.



Legend

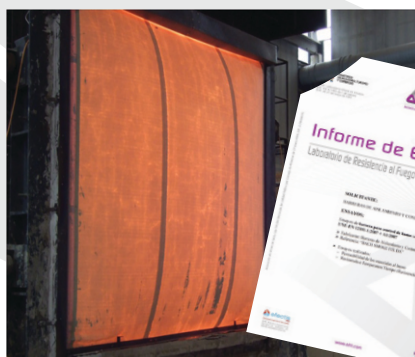
- 01. Control Panel – CBM
- 02. Electric Motor 24 Vcc
- 03. Motor Regulation Box – CRM
- 04. Headbox
- 05. Roller
- 06. Side guides
- 07. Bottom bar
- 08. Fire resistant fabric

System Advantages

- System tested and approved according to European standard UNE EN 1634-1
- 120 minutes of fire resistance, with a classification of E120
- Invisible system for fire compartmentation
- Harmony between esthetics and functionality
- Allows large open areas without the limitation of subdivisions
- Architectural versatility
- Perfect combination between Architecture and building Fire Protection
- Integrated system with the central fire alarm
- Easy installation and maintenance
- Gravity failsafe system
- Low Standby power consumption
- Battery back-up power supply
- Control system of obstacles and people (optional)

System Applications

The automatic fire curtain BACH FIRE E120, being a invisible fire control system is the best solution for projects in Malls, Hotels, Garages, Hospitals, Airports, Public Buildings, Warehouses, etc.



Fire Resistance Tests

Certification Entity:
AFITI - LICOF

Tests and Approvals

BACH FIRE E120, has a classification of E120, and is tested and approved according to the following European Standards:

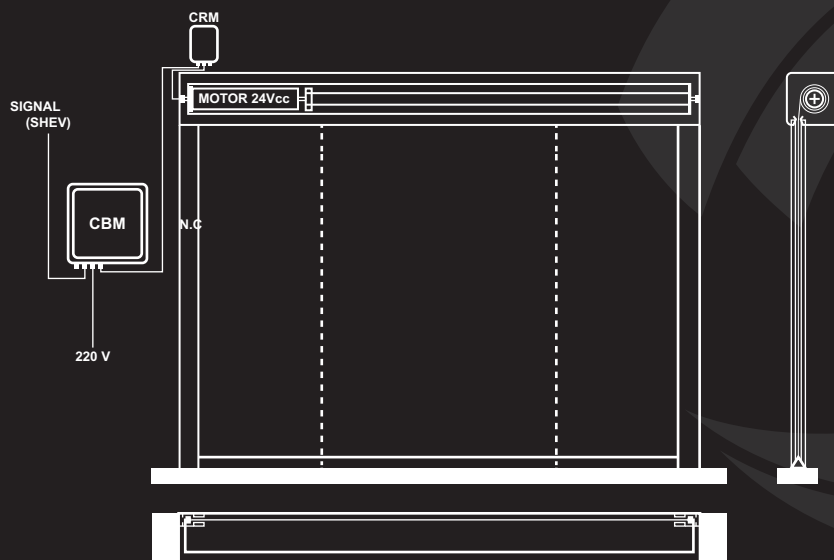
UNE EN 13501 - 2 : 2004
Fire classification of construction products and building elements

UNE EN 1634 - 1 : 2000
Fire resistance tests for door and shutter assemblies
Part 1: Fire doors and shutters

UNE EN 1363 - 1 : 2000
Fire resistance tests:
Part 1: General requirements.

Technical
Drawings

CAD

Technical
Characteristics

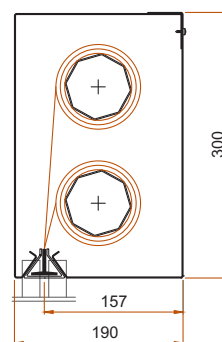
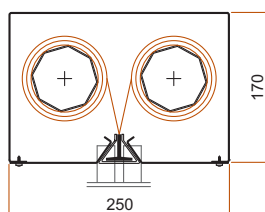
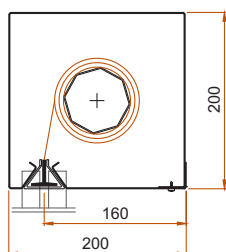
Fabric	BACH EXTRA FIRE TEX 1000/02: fiberglass fabric resistant to 1000°C.
Headbox	Galvanized steel 1.5 mm thick.
Side guides	Galvanized steel: Thickness: 4 mm. Dimensions: 100 x 50 mm.
Roller	Galvanized steel roller: Thickness: 1,2 mm. Diameter: 70 mm.
Bottom bar	Steel bar.
Trim	Triangular aluminum profile, white, 1,8 mm thick.
Electric Motor	Operating Voltage: 24 Vcc. Maximum power: 24 W. Consumption: 3 A. Angular Speed: 21 rpm.
CRM Motor Regulation Box	Polyester box with an electronic board inside to control the movement of motor. Outside dimensions: 140mm x 180mm x 75mm.
CBM Control Box	Receives the signal alarm from the Smoke Control and Fire Management System and controls the movement of curtains. Dimensions: 400mm x 300mm x 210mm. Technical Characteristics: Input: 220 Vac 50Hz. Output: 24 Vcc. Battery: 2 x 12 Z 7,5 Ah rechargeable. (up to 6 hours autonomy) Visual and acoustic alert system. Maximum capacity: up to 12 motors.
Down and up speed	Between 0,06 and 0,15 m/s.
Optional Extras	White fabric. Painting in any RAL. Protection and obstruction warning system.

Invisible System

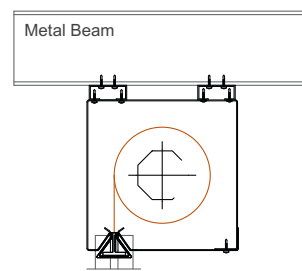
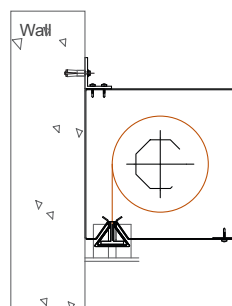
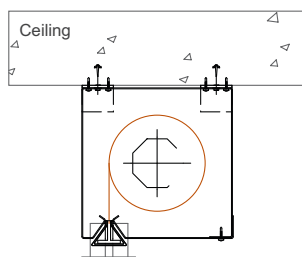


Installation Details

Standard Headboxes Sizes



Headboxes Installation



Side Guides Installation

