



BACH

E 120

E 60

EW 60

EW 30

EW 20

Sa



BACHFIRE H

fire curtain system



Product features

BACH FIRE H is a Horizontal Automatic Fire Curtain that in the case of fire, limits and controls the fire, with classification E120.

The curtain is composed by: fiberglass fabric with polyurethane coating on both sides seamed with reinforced steel wire and fixed to a two steel rollers of 78mm of diameter; galvanized steel elements as head-box, side guides and bottom bar.

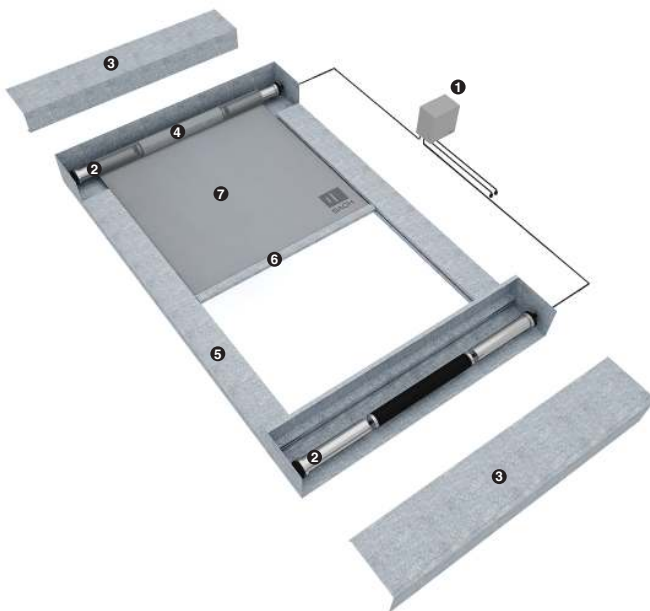
All the system is driven by two 24Vdc tubular motors, in opposite sides. The control panel for automatic curtains (CBM), has nominal input voltage of 115Vac or 220Vac and output voltage of 24Vdc. Uninterruptible Power Supply (UPS System) with autonomy up to 6 hours exists in all control panels.

Tested and approved according to the European Standards UNE EN 1634-1 and UNE EN 1363-1.

Description of operation

The system can be activated by a SHEV, fire alarm contact, internal fire and smoke detection devices, or manual emergency buttons.

In the event of a fire, the BACH's Control Panel (CBM), receives the signal alarm, and the automatic curtain deploys automatically, at constant speed. If there is a false alarm the curtains return to stand-by position automatically after reset of alarm from main Fire Management Systems. In case of main power loss, the curtain will be ready to be activated with batteries at least during the next 24h.



- ❶ Control panel CBM
- ❷ BACH Tubular Motor 24Vdc
- ❸ Galvanized Steel Head-box
- ❹ Galvanized Steel Roller
- ❺ Galvanized Steel Side Guides
- ❻ Galvanized Steel bottom bar
- ❼ Fire resistant fabric

Definition/Classification

- E** .Integrity Flames and hot gases are contained on side exposed fire
- EW** .Integrity
.Low Radiation in addition to containing flames and gases, the temperature and damage on the non-exposed side of the fire are limited
- Sa** .Smoke tightness smoke tightness at ambient temperature only

Test and standarts

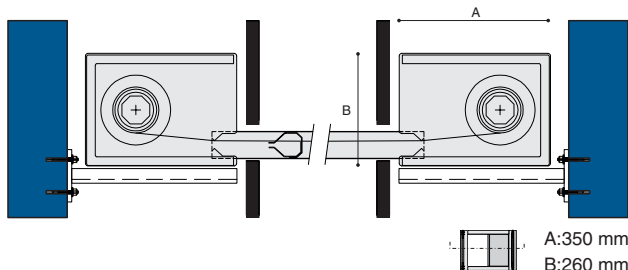
.Technical assessment of suitability
.Registration in CTE recognized certificationtest and resistance classification **E120** according to norms:
.Tested and approved according to the European Standards **UNE EN 1634-1 y UNE EN 1363-1.**

Applications

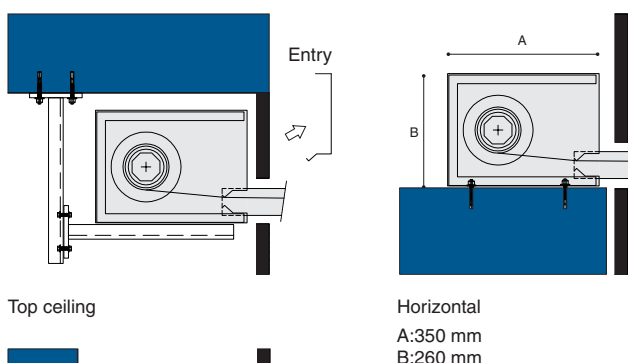
Usually installed in logistics centers, industries, nuclear power plants, agri-food industries, shops, theaters, sports centers,....

Technical details

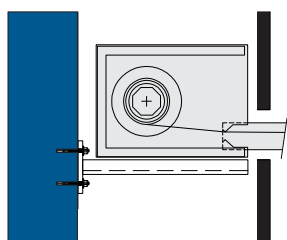
Headbox section



Headbox fixing

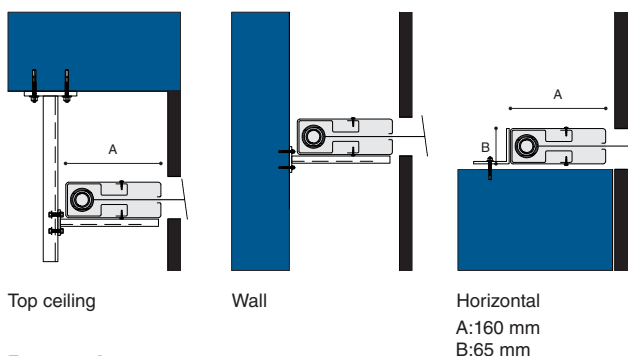


Top ceiling



Wall

Side guides fixing

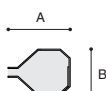


Top ceiling

Wall

Horizontal
A:160 mm
B:65 mm

Bottom bar



A:66 mm
B:48 mm

Fabric

The fiberglass fabric resists up to 1100°C. The polyurethane coating on both sides guarantees mechanical stability when handling the fabric not only in the sewing process but also during the installation. All seams are done with reinforced stainless steel wires with a coating of Kevlar

Headbox

Galvanized Steel head-box 1,2mm thickness with different possibilities to adapt to different architectural spaces, and maintenance requirements. Dimensions of the head-box varies depending on width and height of the curtain

Side guides

Galvanized Steel from 1,5 to 3mm thickness and different dimensions depending on width and height of the curtain.

Roller

Galvanized Steel of 1,5mm thickness and 78mm diameter. Special slide system for fixing the fabric

Bottom bar

Galvanized Steel of 1,5mm thickness and. Two-parts system easy to mount

Electric Motor

BACH tubular motor 24Vdccc
Maximum power 24 W/18,5Nm
Maximum current 3 A
Average linear speed: 0.08 m/s

CBM Control Panel

Receives the signal alarm from Fire Management System and controls the movement of curtains
Dimensions: from 300x300x210mm to 400x400x250mm
Input: 115 or 220 Vac 50Hz Output: 24 Vcc
Battery: 2 x 12Vcc 7,5 Ah rechargeable. (up to 6 hours autonomy)
Visual and acoustic alert system

Optional Extras

RAL coating – head-box, side guides, bottom bar
Stainless Steel Elements – Head-box, Side guides, bottom bar, screws, rivets
Head-box – Customized set-up for specific architectural or special operational requirements.
Side guides – Customized set-up for specific architectural or special operational requirements
Bottom bar – Customized set-up for specific architectural or special operational requirements
Electric Motor – Special 24Vdc motors up to 80Nm without CRM; Special 230Vac motors up to 120Nm without CRM
CBM Control Panel – Special designs up to 48 motors in one control panel, additional information output, micro switches, communication with other devices, special battery backup, possibility of delaying curtain deployment