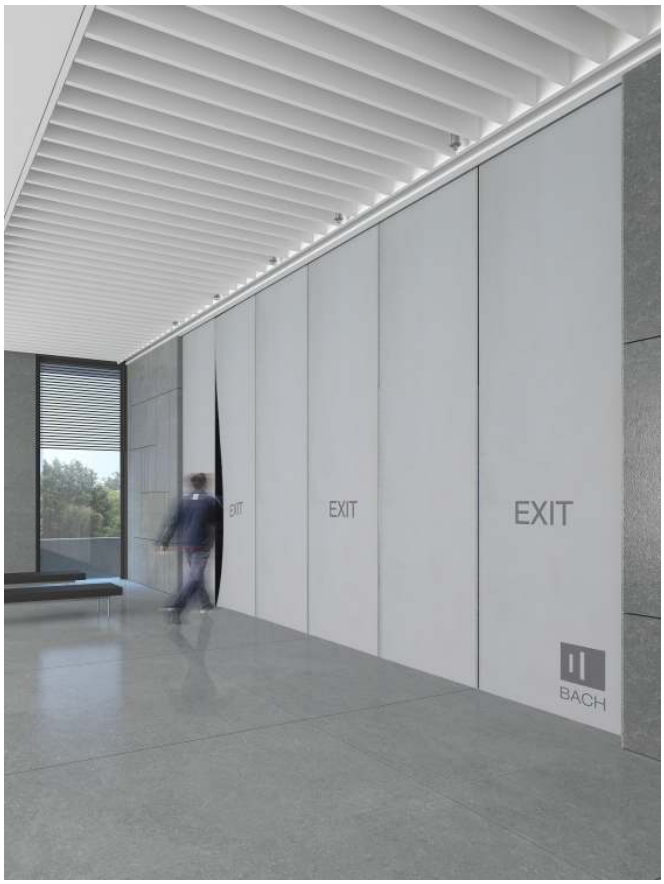
BACH

D 180

BACHSMOKE EV

smoke curtain system

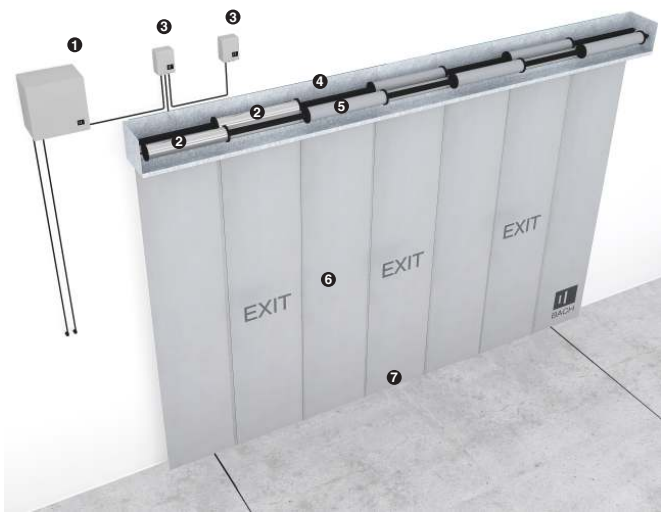


Product features

BACHSMOKE EV is an Automatic Smoke Curtain that in the case of fire, limits and controls the movement of smoke, with classification D180, besides allowing evacuation of people in the case of fire.
The curtain is composed by: fiberglass fabric with polyurethane coating on both sides seamed with high resistant kevlar wire and fixed to a steel roller of 78mm of diameter; galvanized steel head-box; stripped textile shape for passing through;
All the system is driven by a 24Vdc tubular motor and controlled by an electronic board, BACH's CRM (Control and Regulation for Motor) with special gravity fail safe system.
The control panel for automatic curtains (CBM), with 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 Standard UNE EN 12101-1 and with CE Marking.

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, with controlled and safe constant speed of descent even following total power loss on all curtains. When the curtain is completely deployed the users can pass through it keeping smoke protection. 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 remain fully retracted up to 6 hours thanks to BACH's battery back-up system.



1. **Control panel CBM**
2. **BACH Tubular Motor 24Vdc**
3. **CRM Electronic control board**
4. **Galvanized Steel Head-box**
5. **Galvanized Steel Roller**
6. **Smoke resistant fabric**
7. **Strip Independent mild bottom bar (curtain stop 5 cm abive the ground)**

Definition/Classification

D **.Integrity** Curtain material achieves a resistance to smoke at 1100°C for a minimum of 180 minutes

Test and standarts

.Technical assessment of suitability
.Registration in CTE recognized certifications test and resistance classification **D180** according to norms:
.Tested and approved according to the European Standard **UNE EN 12101-1** and with CE Marking.

Applications

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

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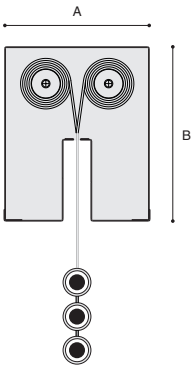
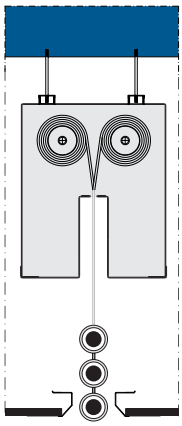
Technical details

Headbox

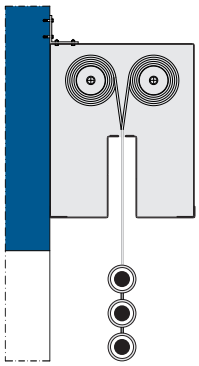


Multi roller/horizontal
A:250 mm
B:300 mm

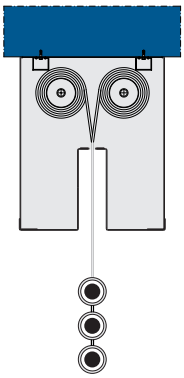
Headbox fixing



Hanging/false ceiling

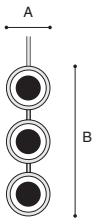


Wall



Top ceiling

Bottom bar



A: 40 mm
B: 140 mm

Fabric
The fiberglass fabric resists up to 600ºC. 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 high resistance Kevlar wire

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

Roller
Galvanized Steel of 1,5mm thickness and 78mm diameter. Special slide system for fixing the fabric. The systems has always as minimum two rollers.

Bottom bar
Steel rods covered with mild foam placed independently in each strip inside de fabric

Electric Motor
BACH tubular motor 24Vdcc (minimum 2 motors)
Maximum power 24 W/18,5Nm
Maximum current 3 A
Average linear speed: 0.10 m/s to 0.15 m/s

CRM Motor Regulation Box
Polyester box IP56 with an electronic board inside to control the movement of the motor. Dimensions: 120mm width x 160 height mm x 75mm deep

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
Maximum capacity: up to 12 motors

Optional Extras
RAL coating – head-box
Stainless Steel Elements – Head-box, screws, rivets.
Head-box – Customized set-up for specific architectural or special operational requirements
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
Emergency Button – Pushing this button the curtain deploys immediately
Other requirements and customized solutions on demand

ISO 9001:2008
9190.BRRR

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