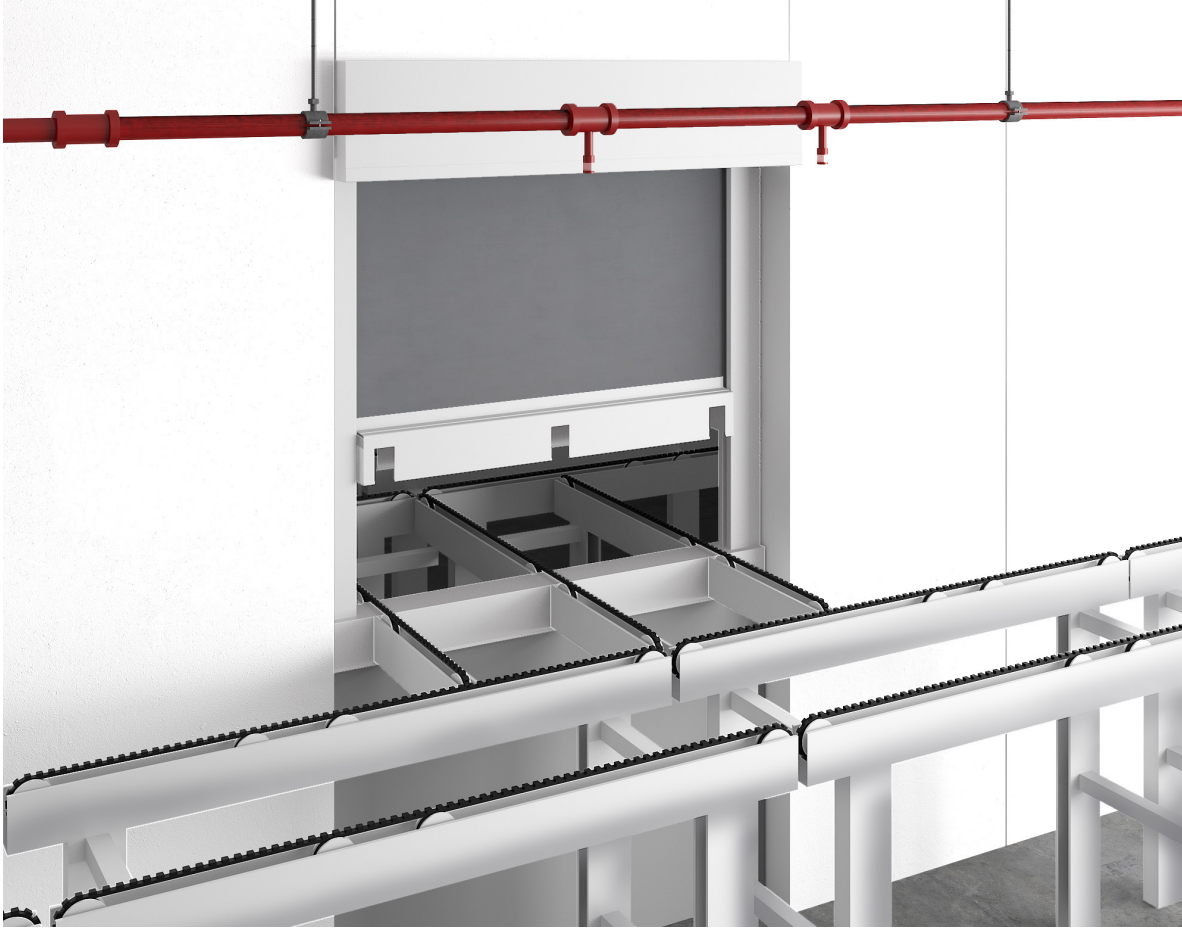


DESCRIPTION

BACH CONFLEX EI-120 is an Automatic Fire Curtain that in case of fire, limits and controls the fire on conveyor belts, minimizing not only radiation emission but also heat transfer creating isolation from the fabric so that protection of people and goods is maximized, with classification EI120. The curtain is composed by: fiberglass fabric coated on both sides and seamed with reinforced steel wire and fixed to a steel roller of 78 mm of diameter; galvanized steel elements as head box, side guides and bottom bar (adaptable depending on the belt type); irrigation system through a sprinklers system. 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 220Vac and output voltage of 24Vdc. Uninterruptible Power Supply (UPS System) with autonomy up to 6 hours.

Tested and approved according to the European Standards UNE EN 1366-7:2006.



bach conflix

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. A solenoid valve connected to BACH's control panel can activate the irrigation system. 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.

SYSTEM ADVANTAGES

- Hidden fire partitioning and sectorization system
- Perfect combination between architecture and security against fire
- Integrated system with the central fire detection system
- Easy installation and maintenance
- Gravity failsafe system
- Low consumption
- Battery back-up power supply
- Obstacle control system (optional)

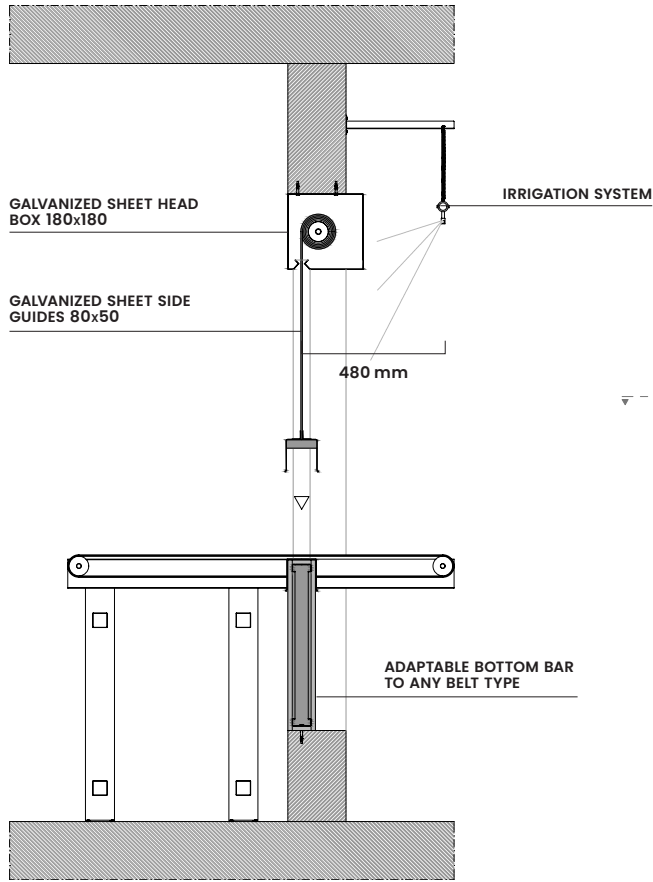
FABRIC

BACH FIRE TEX 1000/02: fiberglass fabric resists up to 1000°C.
Grey colour.

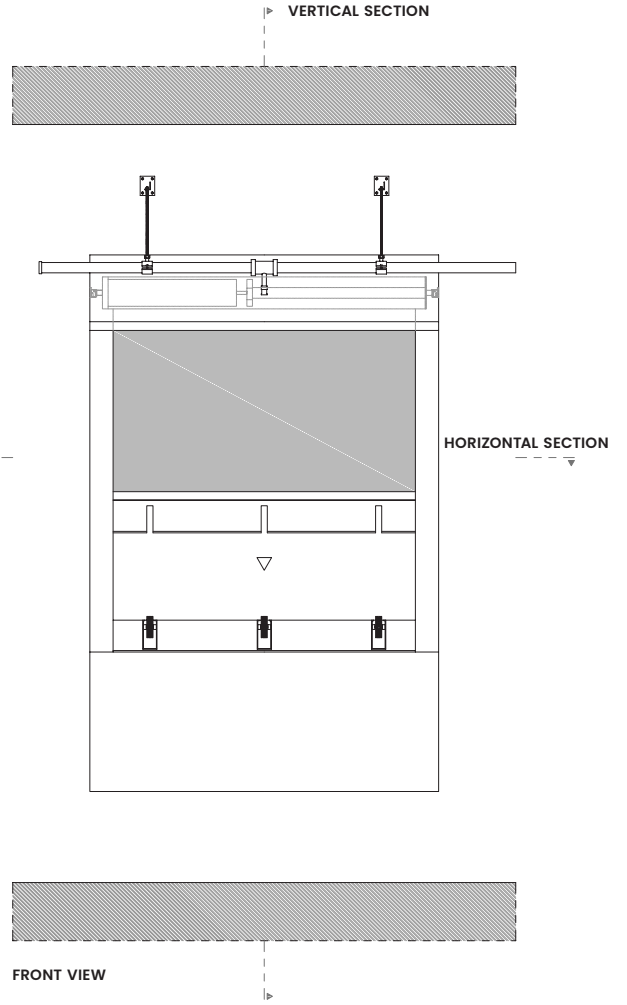
HEADBOX

Galvanized Steel head box 1,2 mm thickness

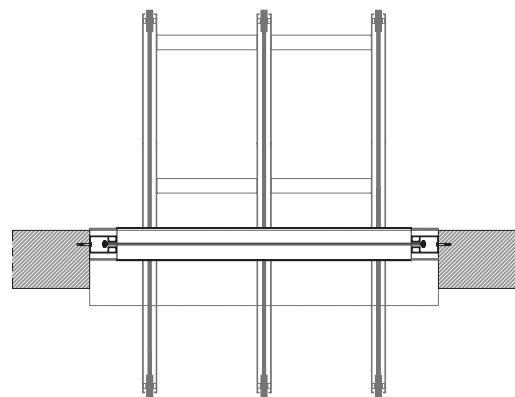
SIDE GUIDES	Galvanized Steel of 1.5 mm thickness Dimensions: 80 x 50 mm
ROLLER	Galvanized Steel of 1.2 mm thickness Diameter: 78 mm
BOTTOM BAR	Adaptable to conveyor belt
ELECTRIC MOTOR	BACH tubular motor 24Vdcc Maximum power: 24 W Maximum current: 3 A Angular speed: 21 rpm
CRM MOTOR REGULATION BOX	Polyester box with an electronic board inside to control the movement of the motor Dimension: 140mm x 180mm x 75mm
CBM CONTROL PANEL	Receives the alarm signal from Central Fire detection system and controls the movement of curtains Dimensions: 400 x 300 x 210 mm Input: 220 Vac 50Hz Output: 24Vcc Battery: 2 x 12Vcc 7,5 Ah rechargeable (up to 6 hours autonomy) Visual and acoustic alert system Maximum capacity: up to 12 motors
IRRIGATION SYSTEM PANEL	A solenoid valve connected to BACH's control panel can activate the irrigation system with a delay of 3 minutes. The number of sprinklers depends on the area of each system. The fluid conditions are the following: Pressure \geq 2.5 bar Q=Nominal water flow accordingly the system dimensions
AVERAGE SPEED	Between 0.06 and 0.15 m/s
OPTIONALS	Obstacle control system



SIDE VIEW



FRONT VIEW



PLAN VIEW