

MYC Series

SBC SMOKE CURTAIN

DESCRIPTION

SBC 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, MY AIR'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.

SBC SMOKE CURTAIN



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 MY AIR'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 MY AIR's battery back-up system.

FABRIC

The fiberglass fabric resists up to 600°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 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 system always has a minimum of two rollers.

BOTTOM BAR

Aluminum profile RAL 9003 white painted of 1,8mm thickness.

ELECTRIC MOTOR

MY AIR tubular motor 24Vdcc
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 (W x H x D): 120mm x 160mm x 75mm

CBM CONTROL PANEL

Receives the signal alarm from Fire Management System and controls the movement of curtains. Visual and acoustic alert system.

Dimensions (W x H x D): from 300 x 230 x 140 mm to 400 x 400 x 210 mm

Input: 115 or 220 Vac 50Hz

Output: 24Vcc

Battery: 2 x 12Vcc 7,5 Ah rechargeable (up to 6 hours autonomy)

Maximum capacity: up to 12 motors

OPTIONAL EXTRAS

RAL coating: head-box.

Stainless steel elements: head-box, screws, rivets.

Headbox: customized set-up for specific architectural or special operational

CBM control panel: special designs up to 48 motors in one control panel,

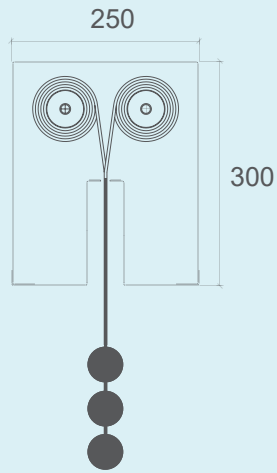
additional information output, micro switches, communication with other

devices, special battery backup, possibility of delaying curtain deployment.

Emergency button: pushing this button the curtain deploys immediately.

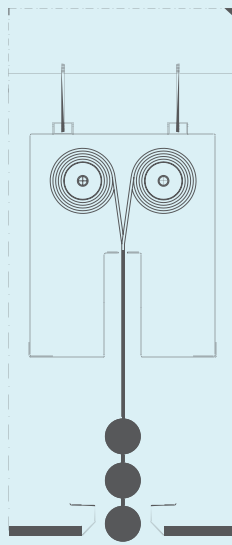
Note: other requirements and customized solutions on demand.

HEADBOX

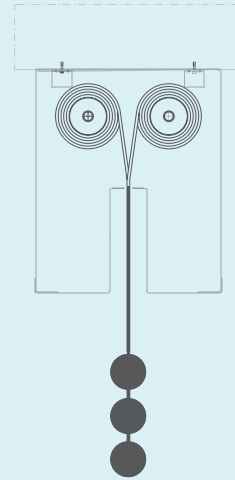
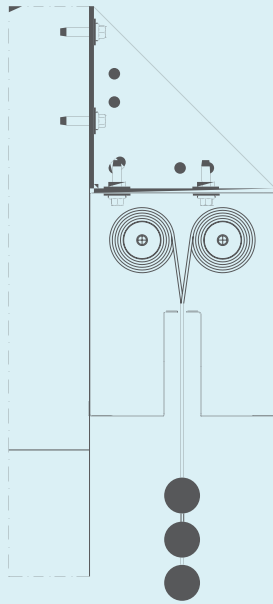


MULTIROLLER HORIZONTAL

HEADBOX FIXING

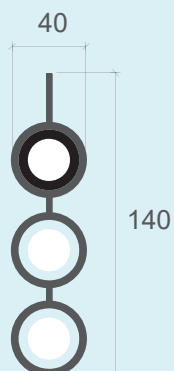


HANG /ING FALSE CEILINGWALL

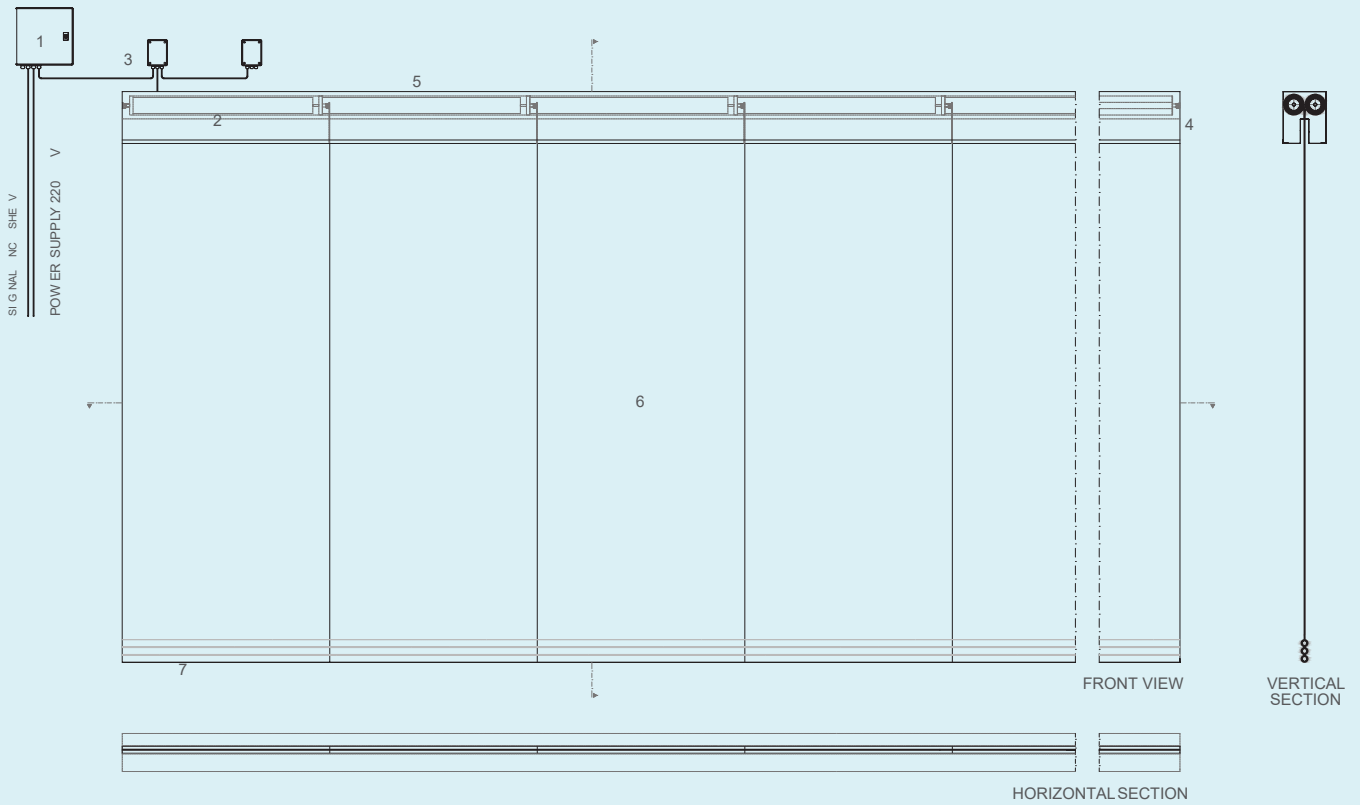


TOEILING

BOTTOM BAR



TECHNICAL DETAILS | MY AIR SBC



1. control panel CBM
2. MYAIR 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 5cm above the ground)