

Service

BOVEMA offers a comprehensive service covering the specification and installation of our products.

BOVEMA

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Subject to technical changes and misprints.

Description

The DA is an automatic smoke curtain that in case of fire limits and controls the movement of smoke, with classification D180. 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; bottom bar; tubular motor of 24Vcc; motor regulation box – reference CRM; full fail-safe by gravity with controlled braking; 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 Standard UNE EN 12101-1 and with CE Marking.

Operating principles

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 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 the battery backup system.

Applications

The automatic smoke curtain being an invisible smoke control system is the best solution for :

- Hotels
- Shopping malls
- Garages
- Hospitals
- Airports
- Public buildings
- Warehouses etc.

Specifications

Fabric:	Fiberglass fabric resistant to 600°C - 0,43 mm thick - color grey.
Headbox:	Galvanized steel, 1.5 mm thick.
Roller:	Galvanized steel roller - 1,2 mm thick - diameter 70 mm.
Bottom bar:	Steel bar.
Trim:	Triangular aluminum profile - 1,8 mm thick - color white.
Electric Motor:	Operating voltage: 24 Vcc - Max. 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 Panel:	Receives the signal alarm from the Smoke Control and Fire Management System and controls the movement of curtains. Dimensions: 400mm x 300mm x 210mm. 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. Max. capacity up to 12 motors.
Down and up speed:	Between 0,06 and 0,15 m/s.
Options Extras:	White fabric - painting in any RAL - Protection and obstruction warning.

DA

Automatic Smoke Curtain

According EN 12101-1

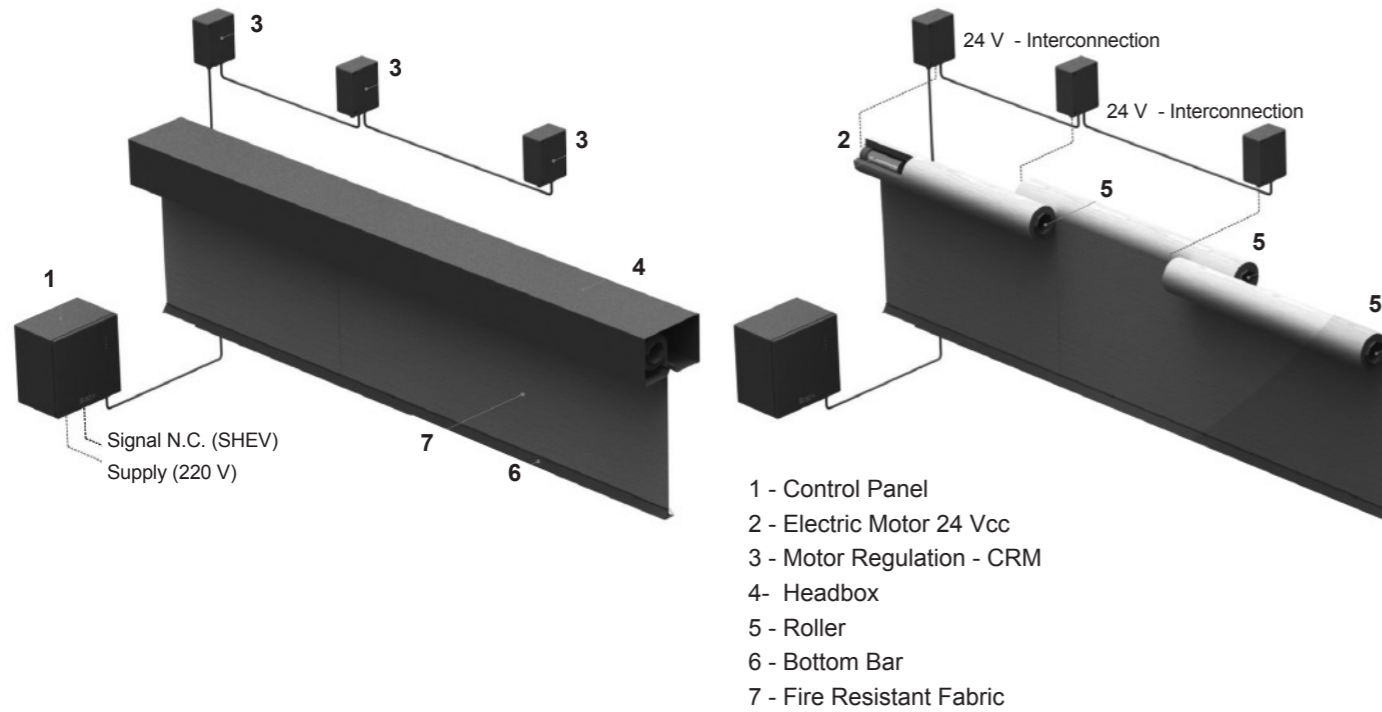


- Architectural versatility
- Gravity fail safe
- 180 minutes smoke resistance
- Hidden system
- Allows large openings

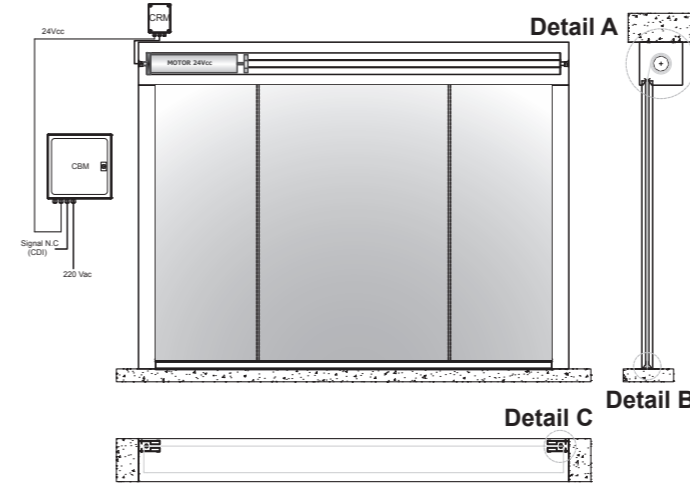
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Operating systems



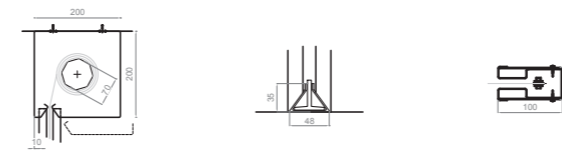
Technical Drawings



Detail A
 Drawer in galvanized sheet
 200 x 200; 190 x 300 or 250 x 170 mm

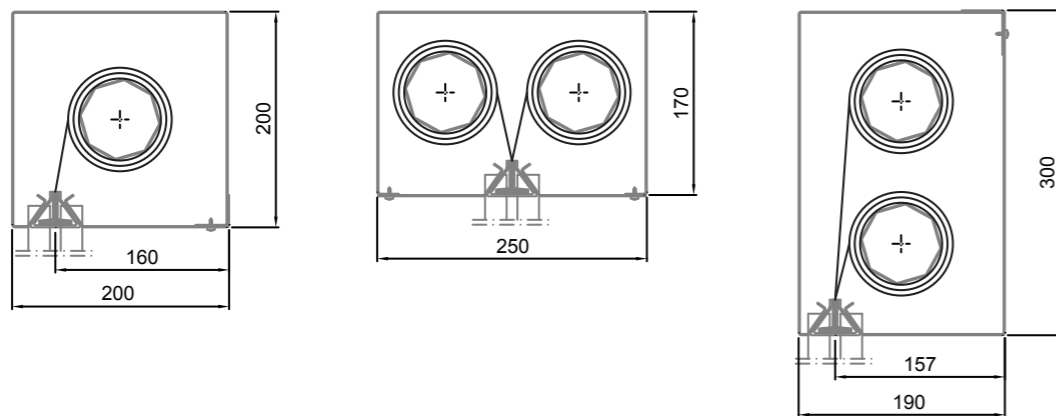
Detail B
 Triangle in aluminium profile (1.8 mm);
 color white (standard) other colors on request.

Detail C (Option)
 Side guides in galvanized sheet
 100 x 50 x 4 mm



Intersection

Metal drawers
 Standard Headbox Sizes



Installation Details

