科保 Forbes

“FORBES” SSC-DH60 AUTOMATIC SMOKE CURTAINS



JB 兆達國際有限公司 Joint Billion International Ltd.

瑞益防火

INTRODUCTION

- Smoke containment systems prevent the spreading of smoke from one zone to another zone
- The Active Smoke Barrier is an electrically operated automatic smoke curtain used to form a continuous barrier against smoke in the event of a fire.
- Achieve with fire integrity up to 60 minutes fire resistance rating.
- Fail-safe features for the operation in case of power failure.
- Single roller assembly curtains for spans up to 6m
- Apply overlapping technique resulted in unlimited curtain span.
- Complying standard

(a) BS EN 12101-1

(b) BS 476 Parts 20 & 22

(c) BS EN 1634-1

(d) BS EN 1634-3

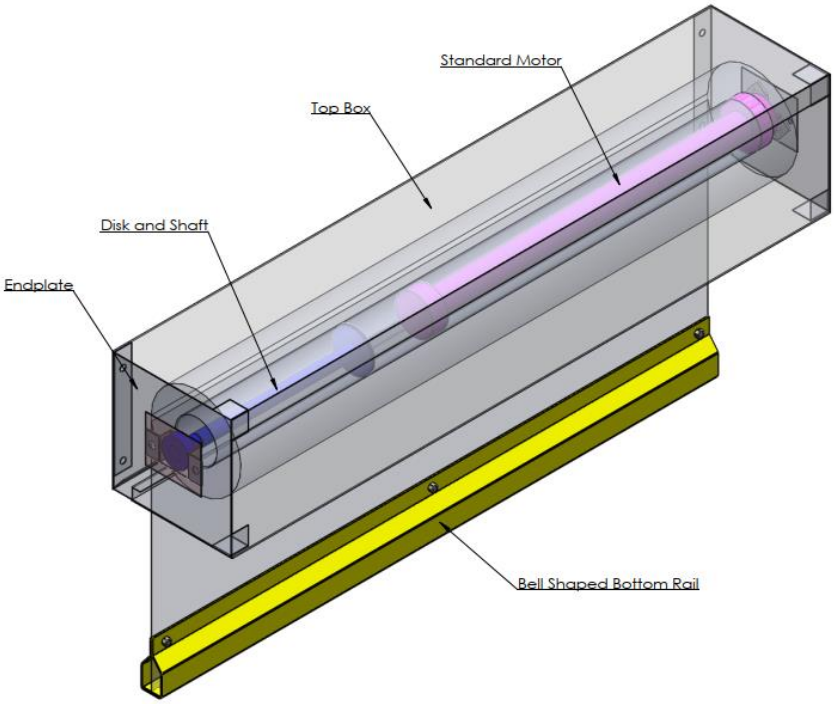
Applications:

- Shopping Malls and Buildings
- Theatres and Cultural Centers
- Warehouses and Logistics



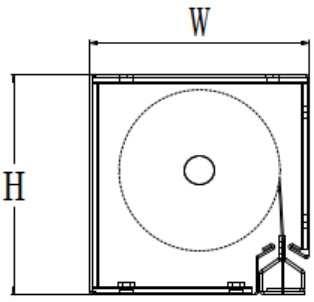


SMOKE CURTAIN STRUCTURE

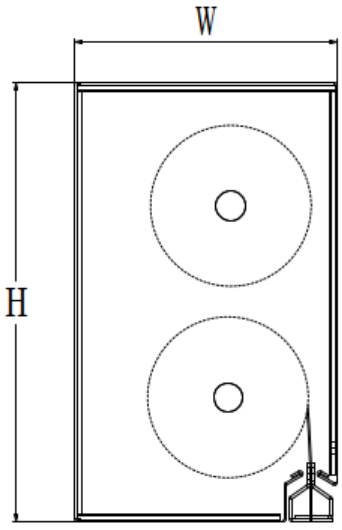


FABRIC	stainless steel wire with woven glass fiber with nominal weight of 900g/square meter and shall be tested to withstand temperatures of up to 950°C for a period of at least 60 minutes.
HEADBOX	Galvanized Steel head-box 1.2mm thickness with different possibilities to adapt to different architectural spaces, and maintenance requirements. Dimensions of the head-box varies depending on width and height of the curtain
SIDE GUIDES (OPTIONAL)	Galvanized Steel from 1.5 to 3mm thickness and different dimensions depending on width and height of the curtain.
ROLLER	Galvanized Steel with Special slide system for fixing the fabric
BOTTOM BAR	• Galvanized Steel of 1,5mm thickness. Two-parts system easy to mount. • Bell-shaped or T-bar type available
ELECTRIC MOTOR	Tubular motor 24Vdc Maximum power: 24 W/ 18,5Nm Maximum current: 3 A Average linear speed: 0.08 m/s

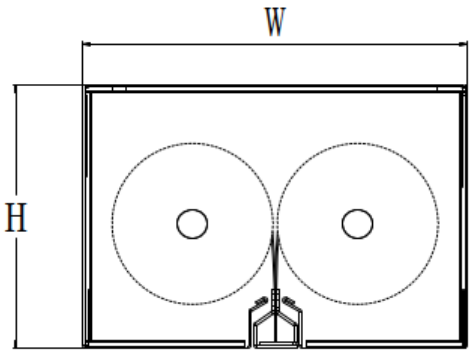
CURTAIN HOOD SIZE



(Single)



(Double – Type A)



(Double – Type B)

		CURTAIN WIDTH (W)		
		WIDTH UP TO 5 METERS	UNLIMITED WIDTH	
CURTAIN DROP (D)	HOOD TYPE	SINGLE W x H (mm)	TYPE A W x H (mm)	TYPE B W x H (mm)
	MAXIMUM UP TO 1000MM	150 x 150	150 x 280	260 x 150
	MAXIMUM UP TO 3000MM	180 x 180	180 x 360	360 x 220
	MAXIMUM UP TO 10000MM	CONTACT US FOR DETAILS		

OPERATION

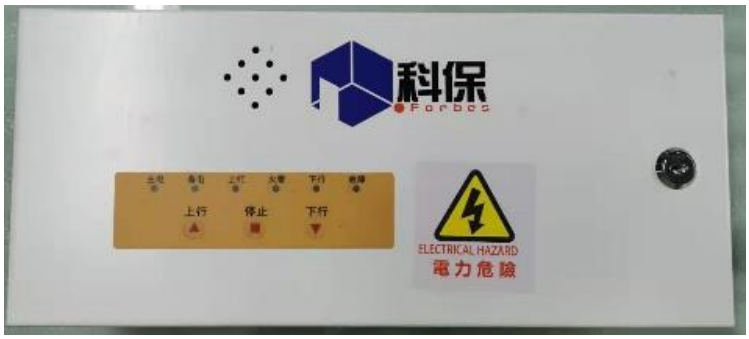
The curtain shall deploy upon a signal from the fire alarm system in an emergency.
The system must be proven to fall safe to the operational position on total loss of main power supplies.

Under normal operating conditions the curtains would be held in the retracted position by built in braking system.

Upon activation of the fire alarm, the control panel will operate the curtain to descend in a controlled manner. A dynamic braking system housed in the motor control panel shall control the speed of the descent of the curtain. The descent shall be electronically synchronized on overlapping curtains with a bottom bar.

To retract the curtain, the control panel shall activate to the motor control circuits and motor will drive the curtain to the upper position. As the bottom bar or stopping bar reach the preset upper limit, the motor will stop automatically and hold the bottom bar in the retracted position.

Limit switches will be used to control the upper and lower position of the curtain
A total power failure shall trigger the fail-safe function.
Speed test: the operation speed of curtain shall be tested with total closure time not more than 60 seconds and average speed of not more than 0.2m/s.



Smoke Curtain Control Panel:
360mm (W) x 160mm (H) x 90mm (D)

CONTACT US

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