



**FIRE CURTAIN  
TECHNOLOGIES**

Smoke and Fire Curtains

## **SMOKE CERTIFIED AUTOMATIC SMOKE SEALED CURTAIN**

The Smoke Sealed Curtain is designed to restrict the passage of smoke from spreading. It operates automatically when connected.

### **APPLICATIONS:**

Smoke sealed curtains are used in all industrial and commercial buildings, e.g. shopping centers, office buildings, lift landing lobbies, hospitals, retirement home, atria, etc.

**The Smoke Sealed Curtain is certified and labeled to UL 10D and EN 1634-3 and further certified to UL 1784**

Fire resistance  
**60 / 180 minutes**

# PRODUCT DATA SHEET | SMOKE SEALED CURTAIN

## PRODUCT DESCRIPTION

The Smoke Sealed Curtain is an automatic smoke sealed curtain with integrated seals that prevents fire and smoke from transferring from one part of a building to another.

The smoke curtain consists of a roller covered with a fiberglass fabric which is incorporated into a galvanized steel housing.

**The roller unit** incorporates a motor, planetary gearbox and controls electronics with a microprocessor. The microprocessor monitors the rest position when rolled up and independently regulates the closing speed to a maximum of 0,15 m/s (6in / sec).

**The housing** is equipped with specially developed reinforced brackets, which maintains integrity at high temperatures. The bottom of the housing is closed off with a panel which allows the entire length of the system to be accessed. The system is equipped with FD side guides. Their special tight design ensures that the required compartmentalization is achieved. There are no visible fasteners either on the underside of the housing or on the front of the side guides. At the bottom of the curtain a bottom bar is attached which serves to ensure that the curtain operates as designed and also that it remains stable when unrolled.

**The bottom bar** makes contact with the floor when the curtain is deployed, creating a smoke-tight seal with the building structure. There are different bottom bars available for different applications.

The curtain **headbox and side guides** can be polyester powder coated in all RAL colors. The fabric is silver grey. The unit can be configured with mounting brackets either for wall or ceiling mounting .

## BENEFITS:

The Smoke Sealed Curtain meets the requirements according to UL 10D and is available in two different versions:

1. A polyurethane fabric with a stabilizing coating which has a rating for 60 minutes.
2. A polyurethane fabric with a stabilizing coating and stainless-steel inlay which has a rating for 180 minutes.



## CONTROLS

### SKC-SC CONTROL PANEL

The SKC-SC control panel is designed for the safe operation of a Fire Protective Curtain and has been designed in accordance with EN 12101-9 and BS 8524.

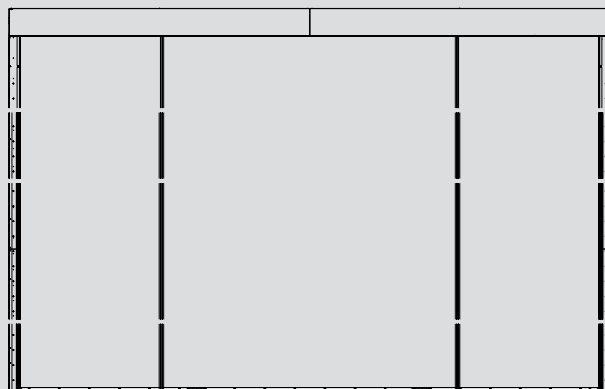
The SKC-SC control panel supports support the following functions:

- Deploying the curtain when there is an alarm
- Moving the curtain to time-dependent intermediate positions (HWD-1 + HWD-2)
- Rolling the curtain up again in an emergency situation (emergency egress)

- Rolling the curtain up again via a fireman's switch (emergency access)
- Unrolling the curtain using a smoke detector or heat detector
- Unrolling the curtain using manual controls
- Connecting a strobe light and acoustic warning system
- Interrupting the closing process by a contact strip or monitoring of the opening by a beam detection
- In the event of obstacle detection, giving a warning by means of an emergency announcement
- Status messages to the building management system.

## DIMENSIONS

Housing type	Classification	Maximum Dimensions (ft)	
		Width	Height
SI-N Single unit	1hr/3hr	14.5	9
SI-L Single unit	1hr/3hr	14.5	19.5 / 18



KEY FEATURES



Furnace testing in accordance with

**UL 10D**  
**EN 1634-3**

**Smoke tightness tests UL 1784**

Fire resistance + compartmentation:

**60 / 180 minutes**

Materials class: **A2-s1, d0**

Quality of cloth

**1800°F** Glass fabric

**2200°F** Glass fabric with coating and stainless-steel inlay

**FS, FR and FD PIN SIDE GUIDES** with integrated seals

Manufactured in accordance with

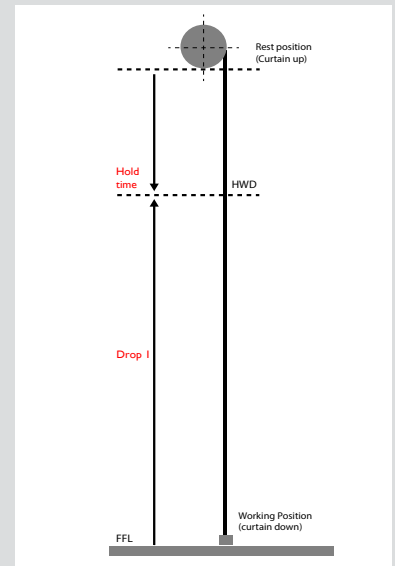
**ISO 9001:2008**

EMERGENCY EGRESS

The function of the intermediate position is selected by using the program and PC.

**Drop 1** Distance from floor to intermediate position.

**Hold Time** Is the time in seconds that the Curtain remains in the HWD intermediate position before it continues down (Escape Delay).



EXTERNAL SWITCH

LT-UP

Item Code: 355876

- Emergency switch to raise smoke or fire curtains following a fire alarm by any person.
- Flush mounting.
- With hook and screw fixing
- Including RU-E frame
- Stickers supplied separately
- Installed at a height of 35 - 43 ft from FFL



GA-E housing

- To accommodate a WF / WN switch Flush mounting.
- Cream colour

