



**FIRE CURTAIN
TECHNOLOGIES**

Smoke and Fire Curtains

Automatic Draft Curtain **SMOKEMASTER SM5**

Smoke containment systems prevent the movement of smoke and heat from one area to another. These often take the form of physical barriers such as smoke curtains.

Per NFPA 92, draft curtains are used to channel or contain smoke within a compartment. These curtains have a 1-hour rating fire resistance rating.

Automatic, fail-safe smoke curtains may be used where a fixed smoke curtain might be either impractical or aesthetically unacceptable.

Fire resistance rating
1-hour rating

PRODUCT DATA SHEET | AUTOMATIC SMOKE CURTAIN SMOKEMASTER SM5

KEY FEATURES

Tested and certified to

EN 12101-1

Smoke tightness tests

Heat resistance

60 minutes

120 minutes

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

Virtually invisible

SIDE GUIDES

with integrated seals

Manufactured in Germany by
COLT GROUP INTERNATIONAL
in accordance with ISO 9001:2008

Description

The SM5 Automatic Smoke Curtain comprises a flexible, heat resistant fabric, which is impervious to smoke and hot gases, wound round a circular tube. The tube contains an electric motor which holds the curtain retracted at ceiling level, and which unrolls the fabric automatically upon a signal from a fire detection system. A bottom bar is fitted to the bottom edge of the fabric to keep it taut and provide a suitable finish when the curtain is retracted.

The automatic smoke curtain is designed to be linked to a fire detection system.

The Smokemaster compact and flexible design offers many opportunities for modification to suit the requirements of the building.

For instance, Smokemaster is available with T and corner pieces.

Drive unit

The **G (Gravity)** falls under gravity in a controlled manner to a predetermined level in a fire situation or on loss of power, in accordance with ASB 1/3 of EN 12101-1.



Side guides

Smokemaster is also available with side guides where a high degree of deflection is needed.

Bottom Bar

Two bottom bars are available depending upon aesthetic requirements:

- **I** Industrial bottom bar
- **K** Comfort bottom bar (virtually invisible and is available in any RAL color)

For either the Industrial or the Comfort version, a bottom bar is fixed to the lower edge of the fabric to assist in lowering the curtain, to reduce sideways movement of the fabric in air currents and to provide a neat finish when retracted.

Testing and certification

Smokemaster SM5 has been successfully tested and certified to EN 12101-1 in accredited third-party test laboratories and is CE marked.

The curtain material achieves a resistance to smoke and heat at 1850°F for a minimum of 120 minutes in accordance with EN 12101-1

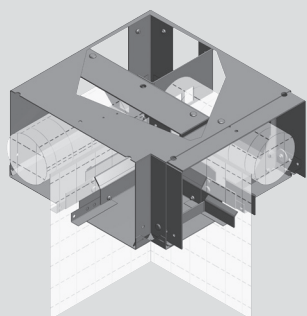
Installation

The Automatic Smoke Curtain SM5 is delivered to site in a carefully pre-packaged consignment for ease of installation.

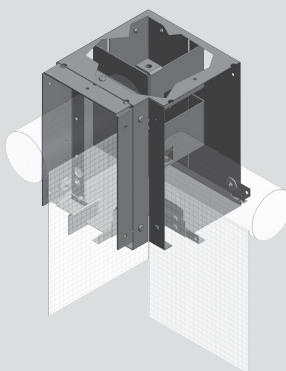
Maximum curtain drop (ft)					
Housing type			Classification	Width	Drop
SI	N	Standard Single unit	D 120	14'-9 1/8"	19'-8 1/4"
	L		D 120	14'-9 1/8"	26'-3"
	N		DH60	16'-4 7/8"	12'-3 5/8"
	L		DH60	16'-4 7/8"	19'-8 1/4"
	N		DH120	16'-4 7/8"	9'-0 1/4"
	L		DH120	16'-4 7/8"	19'-8 1/4"

Special units with drops of up to 49 ft are also available.

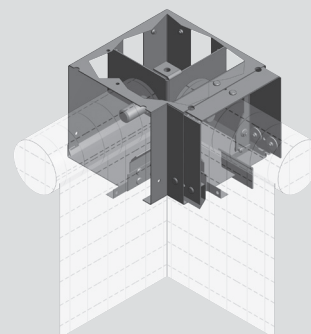
Corner piece details - designed to provide minimum gap at the joint



Type DH



Type DV



Type SI