



**FIRE CURTAIN
TECHNOLOGIES**

Smoke and Fire Curtains

Automatic Smoke 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



60 minutes



120 minutes

PRODUCT DATA SHEET | AUTOMATIC SMOKE CURTAIN SMOKEMASTER SM5

KEY FEATURES

Tested and certified to

EN 12101-1

Smoke tightness tests

Heat resistance

☐ **60**

☐ **120 minutes**

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

Virtually invisible

SIDE GUIDES

with integrated seals

Manufactured in accordance with
ISO 9001:2008

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

Description

The SmokeMaster SM5 is a **fail-safe** automatically deployable smoke and fire barrier with 1 hour fire resistance material rating, **DH60** per EN 1363-1 that encloses a space from wall to wall and from floor to ceiling.

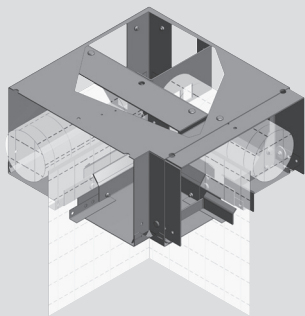
The SM5 Automatic Smoke Curtain comprises a flexible, heat resistant fabric, which is impervious to smoke and hot gases, wound around a circular tube. The tube contains an electric motor which holds the curtain retracted at ceiling level, and which unrolls the fabric automatically upon a signal from a fire detection system.

Maximum curtain drop (ft)

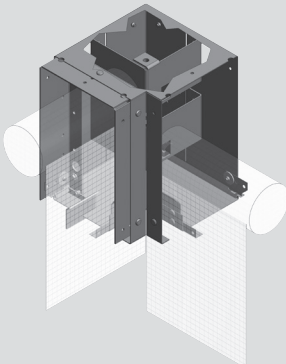
Housing type			Classification	Width	Drop
SI	N	Standard Single unit	D 120	14'-9 1/8"	19'-8 1/4"
	L		D 120	14'-9 1/8"	26'-3"
	N		DH60	16'-4 7/8"	12'-3 5/8"
	L		DH60	16'-4 7/8"	19'-8 1/4"
	N		DH120	16'-4 7/8"	9'-0 1/4"
	L		DH120	16'-4 7/8"	19'-8 1/4"

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

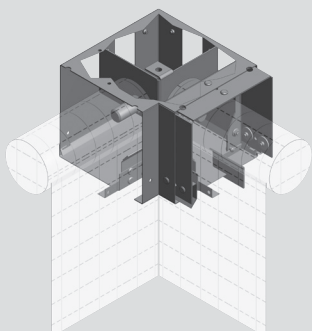
Corner piece details - designed to provide minimum gap at the joint



Type DH

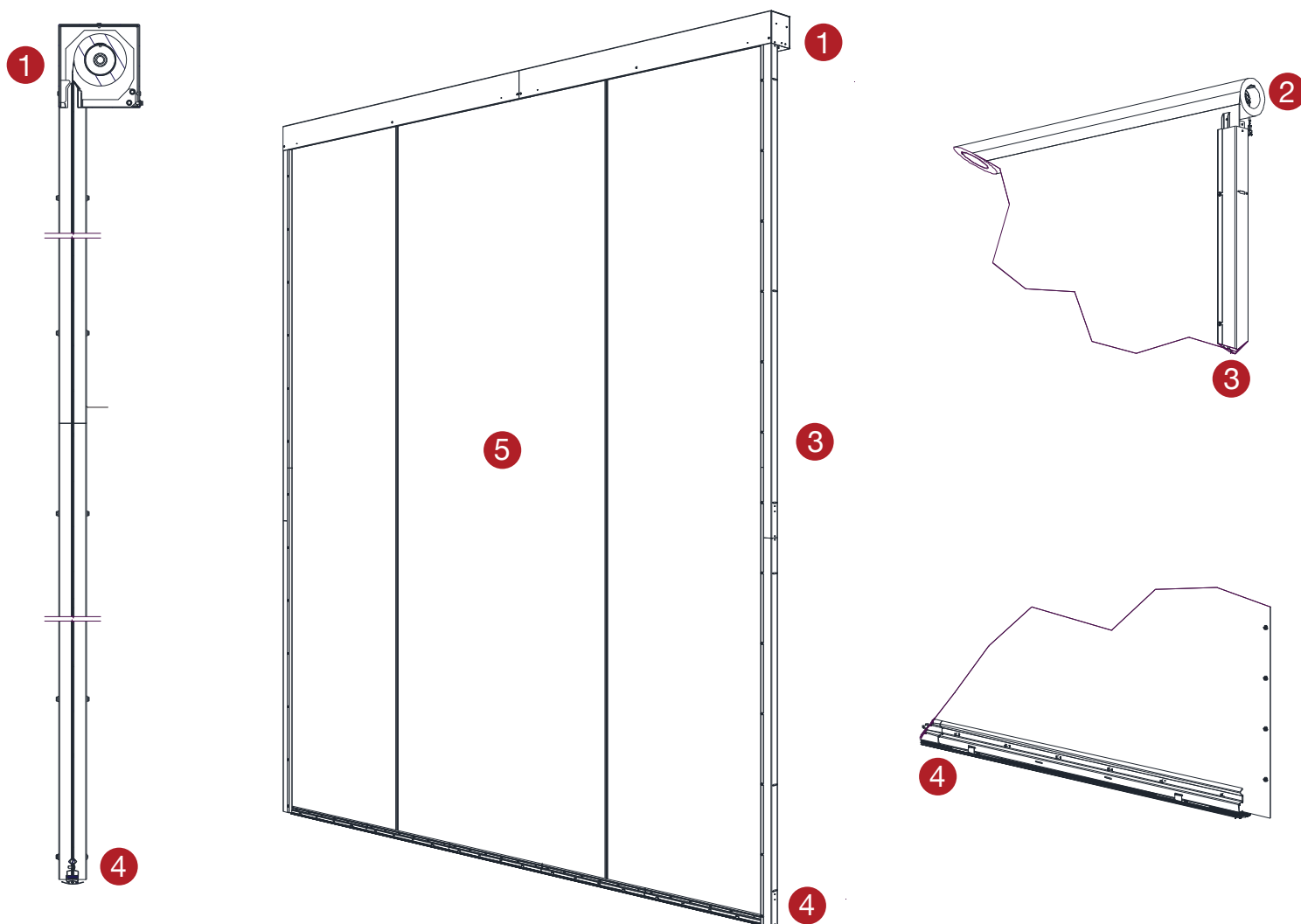


Type DV



Type SI

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There are four main components:

- 1 Head box
- 2 Roller
- 3 Side guides
- 4 Bottom bar with seal
5. Curtain fabric