

A Smokemaster SM5 automatic smoke curtain prevents the movement of smoke and heat generated by a fire from one area to another by channeling or containing the smoke and heat.

The smoke curtain has fixing options to suit all types of ceiling configurations and can be integrated into either a suspended or a solid ceiling. It remains hidden until required.

The smoke curtain comprises a flexible heat resistant fabric that is impervious to smoke and hot gases, wound around a circular tube. Upon receiving a signal from the fire detection or on loss of power the curtain automatically unwinds to its operational position.

### Dimensions/ size range

Overall curtain lengths are from 1500mm to an infinite length, and drops are from 500mm to 15000mm.

### Generic types

- Single (type SI) units.
- Double vertical (type DV) units, where continuous runs with overlapped fabric to form a continuous barrier are required.
- Double horizontal (type DH) units, where there is a premium on space under the ceiling, where continuous runs with overlapped fabric to form a continuous barrier are required.

### Bottom bar options

- Bottom bar with weights
- Bottom bar with weights and spring to accommodate any unevenness in the ceiling.

### Fabric options

- D120: stainless steel-reinforced glass fiber fabric curtain achieving a D120 time/temperature class (600°C for 120 minutes).
- DH60: As above, achieving a D60 time/temperature class.
- DH120: As above, achieving a D120 time/temperature class (1049°C for 120 minutes).

### Side guides options

The unit is equipped with side guides which ensure that the curtain does not deflect when in its rolled down position in case there are high air velocities.

- Side guides with rollers
- Side guides with loops and rollers

### Controls options

- With the G (Gravity) version, the curtain falls under gravity in a controlled manner to a predetermined level upon receipt of a signal or on loss of power, in accordance with ASB 1/3 of EN 12101-1.
- With the D (Drive) version, the curtain drives down in a controlled manner to a predetermined level upon receipt of a signal, in accordance with ASB 2/4 of EN 12101-1.

Either type can be programmed to drop down to an intermediate level before descending further.

### Performance

Complete product tested to EN 12101-1 and achieves a rating of D120 (600°C, 120 minutes) and DH 120 (1049°C, 120 minutes).

Designed to operate for 1,000 cycles at normal ambient temperatures in the range from -5°C to 60°C, and to withstand hot air and smoke at temperatures up to 600°C / 1049°C for 120 minutes once only.

The fabric has a resistance to fire of class A2-s1, d0 to EN 13501-1.

### Compliance

Overall system tested to and in compliance with EN 12101-1 and CE marked. Fabric tested to EN 13501-1.