



SmokeStop™ D600A

Classification

Max Width

Max Height

D₆₀₀A

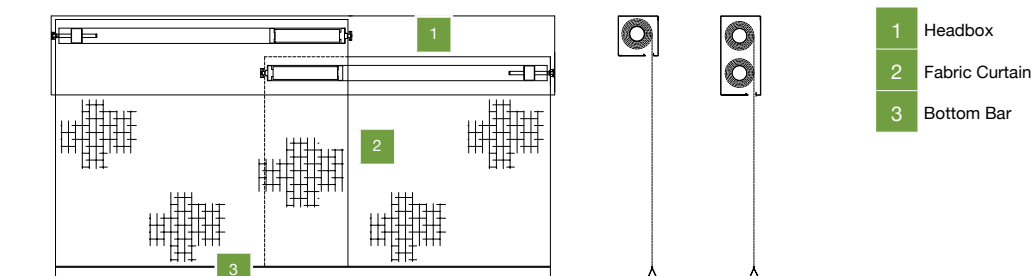
UNLIMITED

10.5 metres

SmokeStop™ D600A

A smoke curtain is a device that controls the movement of smoke during a fire by directing the smoke towards mechanical or natural ventilation points. Traditionally smoke curtains have been used as an integral part of a naturally ventilated building however smoke curtains are proving to be a cost effective solution in conjunction with mechanical ventilation.

The SmokeStop™ Active Smoke Barrier is an automatic smoke curtain which comprises of technologically advanced fire-resistant fabric roller barriers encased in a compact steel housing.



Barrier Construction

Each roller is up to 5m wide with multiple roller construction up to unlimited widths. Maximum size single roller construction is 6 metres wide x 8 metres high.

Material Finish

Metalwork is zinc coated mild steel. This can be painted on site or powdercoated to DULUX or RAL colours.

Operation

A 24v electromagnetic brake holds the fire curtain open. Closing is by gravity at a controlled speed of 0.06 - 0.15m/s. Opening is driven by one or more 24vDC tubular motors mounted within the barrel.

Test / Reset

Test is performed by a simple key switch operator. The system is reset manually by pressing the reset button on the control panel. Automatic reset is available.

Benefits

- Small lightweight headboxing Allows for uninterrupted ceiling heights. No drop down bulkheads or fixed glass smoke baffles
- Creates open spaces and increases yield of workable/chargeable floor space
- Is true Fail-Safe by gravity which means it will work when required
- Ease of service and maintenance

Fabric

The curtain material is a fibreglass fabric with a micronized aluminium filled fire retardant polyurethane and weighs approximately 465g/m² in its finished form.

Bottom Bar

Standard bottom bar is Jumbo which is a triangular shaped bar 40mm wide. Also available is the 'T' bar and operable ceiling interface systems (SLAT) in 150mm and 75mm profiles

Fire Performance

More than 2 hours at 600°C.

Smoke Performance

Leakage tested to EN12101-1 Annex C

Single roller fabric	0.5m ³ /m ² /hr
400mm overlap positive pressure	0.5m ³ /m ² /hr
400mm overlap negative pressure	17.06m ³ /m ² /hr

Side Guides and Edge Gaps

Side guides are only required if the designer requires a 0mm edge gap at the sides. Standard side edge gap for SmokeStop™ D600A is 20mm and the headbox edge gap is 0mm.



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