



Smoke & Fire Curtains Ltd – Brochure 2013

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What is so special about Smoke & Fire Curtains Ltd and our products?

Servery or Hatchway Fire Curtains:

- All made to your specifications.
- Slim, lightweight and easy to install.
- 1 or 4 hour fire resistance.
- Sealed to prevent the passage of fire or smoke.
- All control panels with 24v battery back-up system.

Gravity Fail Safe & other options:

- Emergency access doorways will use our Gravity Fail Safe motors and panels. This means that even without mains power in the building or if the cables are corrupted or a signal received, then the curtains will close.
- We program the curtain to open up, with an override switch, and then return down to seal the doorway.
- Option of a battery sensor inside the panel which will give an audible/visual signal if the batteries are low.
- Beam sensor units to operate the audible/visual equipment, to indicate stationary items left in the path of the fire curtain.
- Key switches to be used for regular testing of the units.
- Smoke or heat detectors can be provided and prewired into our system.

Automatic Fire Curtains:

- Single roller systems, up to 6 metres wide, have been certified to BS: 476 Part 22 and have held their integrity for 264 minutes before we turned off the test furnace. 4 hours +10%.
- Fire curtains can provide continuous fire containment in single spans using our overlapping curtains.
- No intermediate supports, columns or centre posts are needed, except at the outside edges.
- Overlapping rollers also have a certified time of 264 minutes at 1000 degrees Celsius.
- Option of split drop or delay functions can provide more time to escape and are therefore a part of the critical life safety requirement. Split drop also provides progressive smoke containment.
- Control Panels are necessary to control the motors and co-ordinate all the functions of the system and to relate to the client's fire/smoke alarm system.
- Key switches are provided to test the curtains on a regular basis.
- Curtains tested to various British & European standards. Please enquire for an up to date list.

SmokeSafe – Automatic & Static Smoke Curtains:

- The smoke curtains are manufactured from our 1 hour fire curtain material.
- They can be either statically fixed or automatically controlled.
- The smoke curtains could be installed without side guides as a tolerance is allowed around the edges, through which a small amount of smoke may seep. This seepage allowance is subject to local fire regulations.
- The method of overlapping one curtain against another is used to cover large expanses.
- The overlapped curtains are retained together with the use of a conjoined bottom rail.

Doorways & Windows Fire Curtains:



- Can have either a standard drive up, drive down panel or a Gravity Fail Safe panel.
- Doorways can have the option of an override switch. Once pressed, these switches retract the curtain to open the space then return the curtain down to seal the doorway.
- The option for a beam sensor also works well on doors. If anyone stops in the doorway and breaks the beam, the curtain will stop immediately. It will then return to the top before starting to descend again.

Smoke & Fire Curtains Ltd: Leading the way with the newest of technologies.

Always Leading

Over the past number of years, Smoke & Fire Curtains Ltd have invested heavily in new production techniques and innovative developments. The development work and the fire test certification can be a very long and very expensive process. We still continue to develop new fire curtain systems in order to improve and raise safety standards. Our ethos has always been to provide an excellent standard of service with high safety standards.





**Smoke & Fire
Curtains Ltd**
Global Fire Control Solutions

Brochure 2013

Working With World Renowned Companies.

Working with world renowned company names is proof in itself of the quality of our products and services.

The Quality Shines Through

In the past number of years we, as a company, have grown immensely. This growth can only be put down to the quality of our products and services. We take great pride in the services that we offer and some would say that this has become an obsession for us.

When it comes to safety we will never cut corners, so safety is built into the design, manufacture and installation of all orders and is of paramount importance.

Complete Solutions

We can create solutions for virtually any building and with drops of up to 10 metres.

Complete Service

We supply turnkey fully comprehensive solutions that cover initial valuation of individual requirements, to full design, drafting of technical specifications, liaison with Fire Control Consultants, Engineers, Architects and Contractors, in-house manufacture, installation, commissioning and complete maintenance scheduling.





Now why should you?

Now why should you even consider buying smoke and fire curtains from us? Well, here are a few reasons why:

- We offer amazing value for money as we manufacture all our curtains in our factory in Leicester.
- We can offer a 5 day turnaround time on production. This is something that no one else can normally offer.
- We have a team that is solely there to respond to all requested quotes within 24 hours.
- We have installation teams that are IPAF trained so you know your fire or smoke curtain will be professionally installed and maintained.
- All our smoke and fire curtains are independently tested by either Exova Warrington or Chiltern Fire and are fully certified to British & European standards.
- We offer controlled descent and gravity fail safe systems.
- We are continually investing in research and development to provide our clients with the safest equipment available and at a most competitive price.
- Our fire and smoke curtain maintenance packages offer three levels of security and cover.
- We are a nationally recognised manufacturer and installer of quality, certified smoke and fire curtains.

5 Easy Steps To Ensure You Have The Finest Quality Smoke or Fire Curtain Professionally Built And Installed

Step 1:

Telephone us on 0116 352 7223, email us or visit our website for a quotation.

Step 2:

Once we have all the information about the project, one of our specialized sales team will calculate your quotation and email it straight back to you. Normally this will be completed and returned on the same day.

Step 3:

Once our quotation has been accepted we will assign one of our trained and experienced surveyors to your project. They will contact you to arrange a convenient time for a site survey, where we will ensure that the correct information has been passed onto you and that you are getting the correct curtain for your application.

Step 4:

On the installation date our fully trained fitters will arrive and install the units ordered.

Step 5:

After the units have been fitted, you will be contacted by your account manager to ensure everything is to your satisfaction.



Our Products.

FireSafe 60 – 1 Hour Automatic Fire Curtain:

- Certified to BS: 476 Part 22, tested either at Exova Warrington or at Chiltern Fire test centres.
- Can provide 60 minutes of continuous fire containment.
- Standard drop down systems.
- Split drop delay, gives the option of the curtain dropping in stages. This can provide temporary means of escape and as a smoke containment system.
- Control panels co-ordinate all functions of the curtains.
- Single roller systems, up to 6 metres wide or overlapping rollers to cover and protect larger spans.

FireSafe 240 – 4 Hour Automatic Fire Curtain:

- Certified to BS EN: 1634, tested at the Exova Warrington test Centre.
- Can provide 264 minutes of continuous fire containment
- Control Panels co-ordinate all functions of the curtain, controlling the motor and relates to the fire alarm system. Override, beam sensors, split drop facility, smoke or heat detectors and the test key switch are via the 24v control panel.
- Standard drop down systems
- Split drop delay gives the option of the dropping in stages. This can provide an extended amount of time to escape and also provides the initial smoke containment.
- Single roller systems, up to 6 metres wide or overlapping rollers, used to span greater widths.

Both curtains come with these optional additions:

- Gravity fail safe system – designed to ensure that even with a total power failure, mains and battery back-up, the curtains will still close down into a protection mode.
- Override switches – used as a means of escape. Pressing the switch rolls the curtain back up, allowing people to escape. Once the switch has been released the curtain will once again fall to the floor.
- Audio visual alarms – these warn of the curtain about to descend, using a flashing light and/or audible sound unit.
- Audible/visual alarm to indicate batteries are down to 80% capacity. Also to close if programmed.
- Beam sensors, to open in an emergency or to warn of possible obstructions left in the path of the curtain.

FireSafe Plus – Insulated Zone Automatic Fire Curtain:

- Fully Certified to BS EN 1634 standard and to PAS 121.
- With 150 minutes fire integrity and 150 minutes insulation zone.*
**Insulation zone means that people can pass close to the non-fire side, 1/2 metre away from the curtain itself. This means that that evacuees can leave in relative safety, protected by the conductive properties of the insulated curtain material.*
- Smoke seals provided to stop the spread of toxic gasses.
- Override switch to inform the control panel to raise the curtain if in a fire mode.
- Curtain impact tested by swinging a heavy bag of sand against it several times, with operation between strikes.



- The motor passed the fire test when it was operated 5 times inside a furnace at 300 degrees Celsius.
- Curtain and steel framework tested to prove air leakage containment was well above standard.
- Continuous cycle test on a 5m wide x 3m high unit, 760 cycles with mains to the control panel and 60 cycles without mains supply to the control panel.

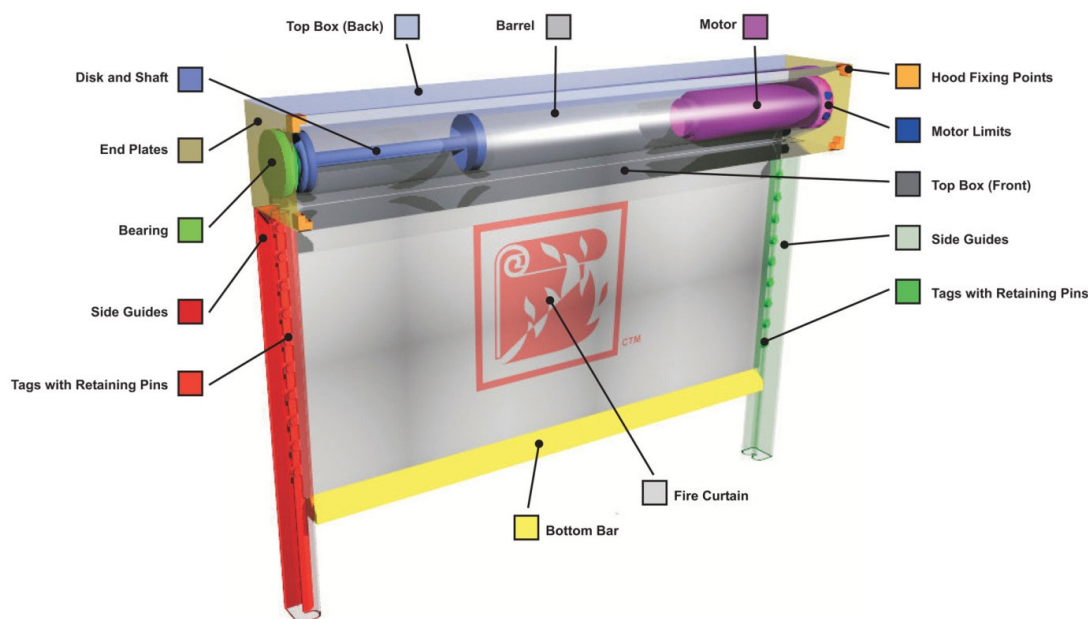
Benefits of all of our specially made smoke & fire curtains:

- Made to measure, all non-standard sizes made to within 5mm of your specifications.
- Safer than heavy and dangerous steel roller shutters.
- Visually more attractive as they blend into the building structure.
- Offers far better conductive properties than steel roller shutters.
- Fail safe option available, unlike steel roller shutters.
- Can be lowered daily to conform to local Fire Officer Requirements.
- Slim, lightweight and easy to install.

Maintenance:

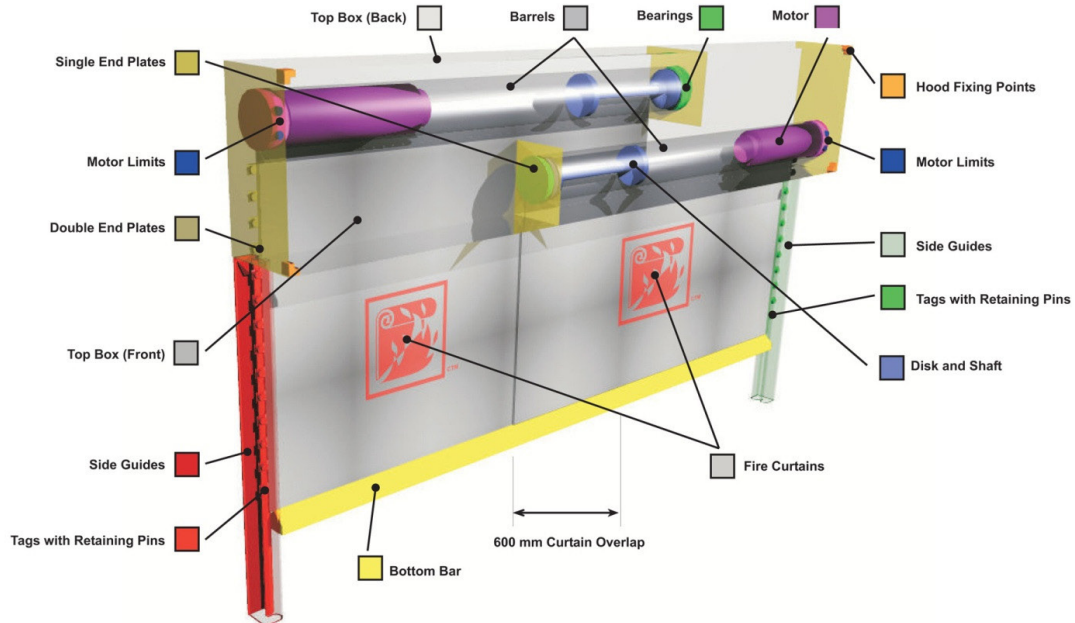
In order for our products to be in full working order we offer a maintenance service, relieving the owners from the responsibility of ensuring that the units will work when they are really needed. In the program we arrange for all installed curtains to be annually inspected by one of our engineers. A full report on their condition is given in writing. Please ask us for more information on this option.

Single Barrel Curtain:

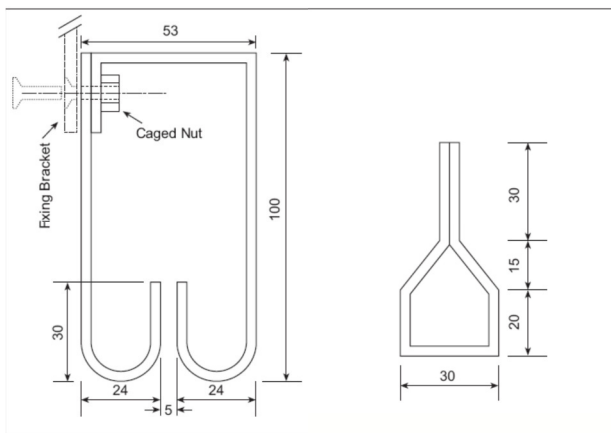




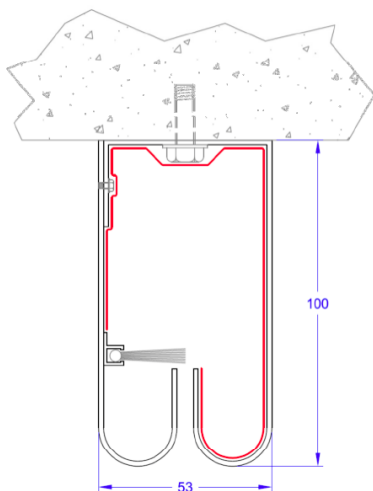
Double Barrel Curtain:



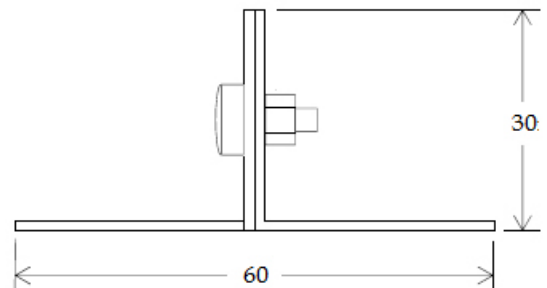
Side Guides:



The diagram below shows the side guide containing a smoke leakage brush which is an optional extra.

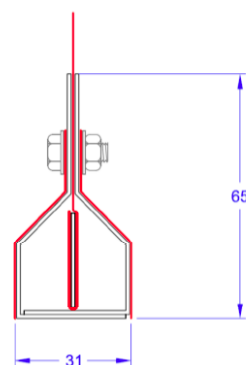


Bottom Rail:



The option above is the 'T' shaped bottom rail. The other option available is the bell shaped rail shown below.

— BLACK INTUMESCENT FABRIC





Testimonials.



"We have used Smoke & Fire Curtains Ltd. on a number of contracts where legislation required a fire curtain or shutter. We find the curtains very suitable for purpose, cheaper than shutters and these are supplied and fitted by Smoke & Fire Curtains Ltd professionally, on time and within budget. Our contract is ongoing and we intend to continue using this product and the present installers."

Paul Morley, Lengard, Senior Contract Surveyor



"As part of our major refurbishment and extension works at the Theatre Royal in Newcastle upon Tyne we required two fire curtains and these were procured from Smoke & Fire Curtains Ltd. The on site works were executed in a professional manner, in accordance with our programme requirements and to the quoted cost."

Michael Crew, Miller Construction, Senior Surveyor



"We have employed Smoke & Fire Curtains Ltd on several major fast track fit out projects over the last 2 years. They have successfully installed over £100K of automatic smoke curtains on projects such as Fossill, Hotel Chocolat and several flagship TK Maxx stores. I have found their response time, turnaround and project delivery to be exceptional and would not hesitate to recommend them to fellow contractors."

Martin Fahey, The Bridgford Group, Associate Director



"We write to confirm that Smoke & Fire Curtains Ltd. were employed by Mace Ltd. to install the automatic fire curtains to our Terminal 1 Retail project at Manchester Airport. Smoke & Fire Curtains Ltd. were particularly pro-active from involvement in the design and coordination of the project through to aftercare, whilst remaining commercially competitive."

Rob Roach, Mace, Senior Surveyor



"Thank you for a job well done at the new Westfield Centre Derby."

Colin Offer, Electrical Division Manager



"Smoke and Fire Curtains Ltd have provided us with a number of automatic Fire Curtains for 3D projection screens at various Vue Cinema sites throughout the UK. We have been very happy with the quality of their products and service provided as well as the speed in which they rectify any issues that occur."

Martin Dempsey, Vue Entertainment, Regional Facilities Manager - North West



"We have been a satisfied customer of Smoke & Fire Curtains for some time. Their service is always reliable and their products produced on schedule"

D.J.B. Herbert, Paramount Door Systems, Manager



LTS REFURBISHMENT LTD

"As a customer and main contractor I was impressed with the service provided by Smoke & Fire Curtains Ltd. They were accommodating with sequencing dates and any unforeseen changes to programme. They installed on site faultlessly and listened carefully both to site rules and also design requirements. All operatives were polite and more than happy to work as a team. Site works are always tricky but if you need people who you can trust, these guys will assist you without fail."

G Ferrara - LTS Refurbishment Ltd, Project/site manager



Martinisation

"Efficient and swift service, with a product that actually works. The procurement has been simplified so that ordering is less problematic, meaning that the long lead times that many require is reduced to 2 weeks."

Martinisation



"We ordered fire curtains from Smoke and Fire Curtains Ltd for two projects and found them to provide a good service. We found the curtains to be of very good quality, cheaper than shutters and fitted professionally. I found their response time, turnaround and project delivery to be of a high standard and on schedule."

Hira Construction D&B Ltd

Smoke and Fire Curtains Ltd have been manufacturing and installing automatic fire and smoke systems since 2005. We believe that the quality of service and providing clients with products of the highest standard is the most important concept. Based in the Midlands we supply and install throughout the UK and worldwide.

All our installers are fully trained, ensuring a professional approach to fulfil our customers' requirements.

Smoke & Fire Curtains Ltd is constantly working towards the highest standards possible and has achieved BS EN ISO 9001:2000 accreditation for our quality management systems. Our smoke and fire curtain systems comply with British & European Standards and have been tested at the Chiltern and Warrington fire test centres.

Fire Curtains are proven to **save lives** and protect valuables.
Is it worth taking the risk...?