



# Fire and Smoke Vent Damper Multiblade

## Application

For use in areas where there is a requirement to effectively control the venting of smoke away from a populated building zone

Electronically operated by a central building control system to operate the speed of venting

Hermetically sealed to limit exhaust when required.

## Specifications

- Double skin galvanised steel blades with direct drive
- Conforms to recommendations of D.W.144
- Installation frames available to suit all site requirements
- Minimum two hour fire rating in accordance with BS476 Part 20 Test No IF03039
- Detail of test report available on written request
- Available as rectangular, circular, & oval,
- Belimo actuators fitted as standard all modes available



Front mounted motor option

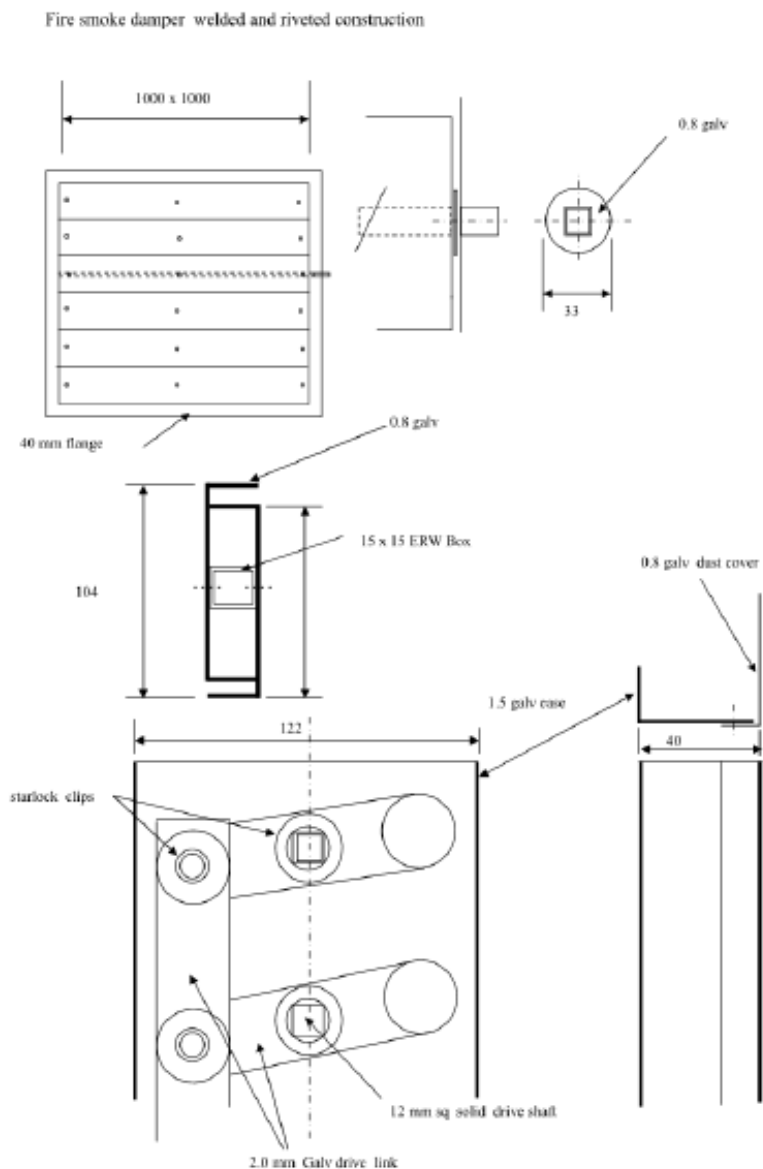
*Docref: safeair product datasheet fire smoke damper*

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## Product Specifications

The Smoke and Fire Damper is manufactured in various sizes from 300mm upwards and are available in circular and rectangular formats.

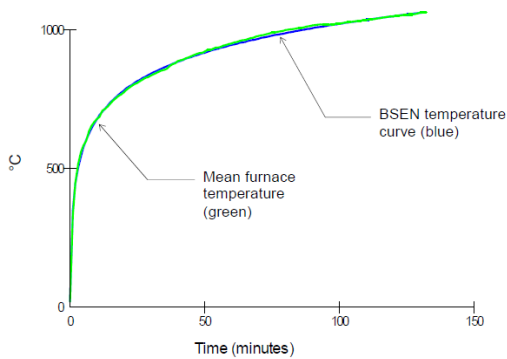


## Test Results & Notes

The Product has been tested to British Standard SEN 1363-1:1999 and BSEN 1366-3:2009 specifications certificated 16<sup>th</sup> August 2013 excerpts from that tests are published as follows:

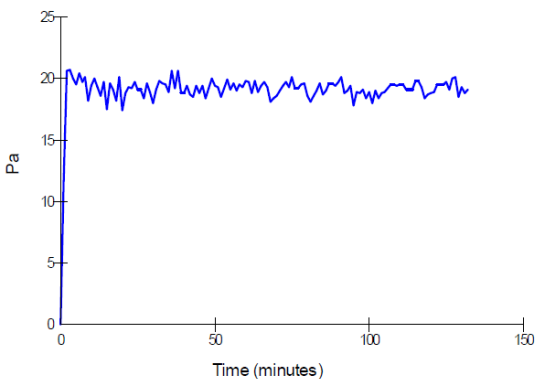


Product in Test with Pressure Test Results

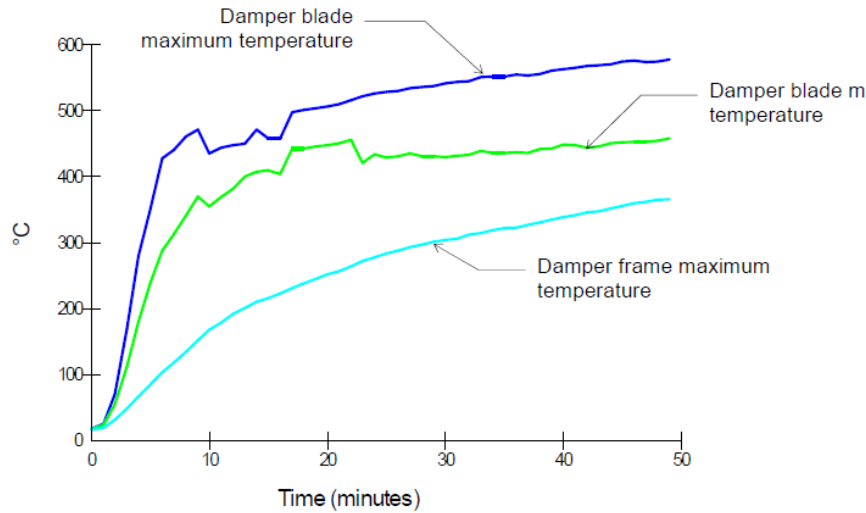


### Pressure readings

After the first 5 minutes of the test, the furnace pressure was maintained at  $20 \pm 2$  Pa with respect to atmosphere at the head of the specimen. The pressure readings were recorded and are shown graphically below:



### 6.5 Unexposed face temperatures



### Overall performance

<b>Integrity</b>	
Cotton pad	50 (fifty) minutes*
Continuous flaming	132 (one hundred and thirty two) minutes**
Gap gauges	132 (one hundred and thirty two) minutes**
<b>Insulation</b>	
Frame	12 (twelve) minutes
Blades	3 (three) minutes
<b>Radiation</b>	
Time to 15kW/m <sup>2</sup>	132 (one hundred and thirty two) minutes**

### Declaration of Performance SAP-2013-1366-01



Please call SafeAir for questions on usage and customisation.

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