

INTRODUCTION

Over the years there have been lots of attempts to provide generic information with regard to damper installations. These have come about from the old “GLC” regulations, which were adopted by industry bodies and supported by test houses and trade associations. However, with the publication of BS EN 1366-2:1999, the European standard for the fire testing of dampers (where no specific standard existed before), and revisions to the guidance from the UK regulators (Approved Document B (ADB)), it has been increasingly difficult for manufacturers to provide such generic information.

The method of installation is important, as it is the interface between the damper and the supporting construction. This plays a significant role on the final result of the test and thus the “classification” of the damper. Manufacturers products cannot be assumed to perform the same in every installation and more importantly different manufacturers products will have their own performance classification.

The classification states the performance of the fire damper, for the installation method, as a time. This will indicate the suitability of the damper in that particular installation method for its Integrity (E) and, if available for the specific product, the damper leakage to achieve a smoke classification (S). The Smoke Shield & CSS ranges, both have E and ES classifications, and the Fire Shield has E classification, but the performance in time can vary with differing methods of installation. For an overview please see summary pages.

Therefore manufacturers must provide specific data as it represents what has been tested or assessed. In the following pages you will find our installations fully described, along with drawings. Also referenced are our test reports, which are available from the Actionair sales office.

Previously assessments to meet the requirements of BS476 were most common, these are not easy to come by with regard to the BS EN 1366-2:1999 test methods for the reasons described above. It is important to check that your proposed installation method meets one of those described. You should also review the guidance given in the HVAC document DW145 that outlines the industry standard for the installation of dampers.

Ruskin Air Management Limited is not able to approve specific installations that vary from those tested and described herein. You may seek assessment from bodies such as BRE/LPC or WFR who will require fully dimensioned drawings with material details for your proposed installation, together with any copies of our test reports for the product.

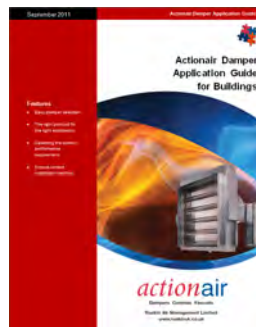
Over and above product testing, Ruskin Air Management Limited products are third party certificated. This means added confidence. In addition to full ISO 9001:2008 quality assurance, the notified body also checks the products to ensure that they are still being manufactured as tested or assessed, such that the components are traceable back to the fire tests, assessments and product design files. The Loss Prevention Certification Board (LPCB) performs our QA and product audits.

While Ruskin Air Management Limited has undertaken extensive testing, it is not complete and we continue to carry out tests that reflect industry practices and supplement the tests published here. These will be added in further versions of this document as and when the details become available. We also have our Damper Application Guide, our extensive website, the support of our External Sales Team and our Whitstable Sales and Technical Offices, all ready to give additional details and guidance.

The regulatory requirements have changed and are changing, please use this document along with DW145 to make sure your design and installation meets the current requirements and remember, fire dampers are life safety products.



Kevin Munson
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Actionair Damper Application Guide



Actionair website