

Installation Instructions – Fire Rated Pressure Stabiliser



The R&D Pressure Stabiliser is a precision instrument. Care must be taken in handling and storage.

It is strongly recommended that the pressure stabiliser units are not installed until the majority of the building and decorative works are complete. The aperture into which the stabiliser is installed should be lined with a timber frame or a similar material to enable the stabiliser to be screw fixed into place.



Figure 1. Image showing the front face of the pressure stabiliser / fire damper unit.



STEP 1

Identify the stabiliser to be installed. Each stabiliser is individually packaged, but there may be more than one stabiliser per packing crate. The stabiliser packing will be marked with its unique reference number. An additional identification label is attached to the stabiliser body located behind the top flange. Carefully remove the stabiliser packaging cross checking its reference number to the builder's drawings.

STEP 2

Remove the loose-fitting rear support flange.

STEP 3

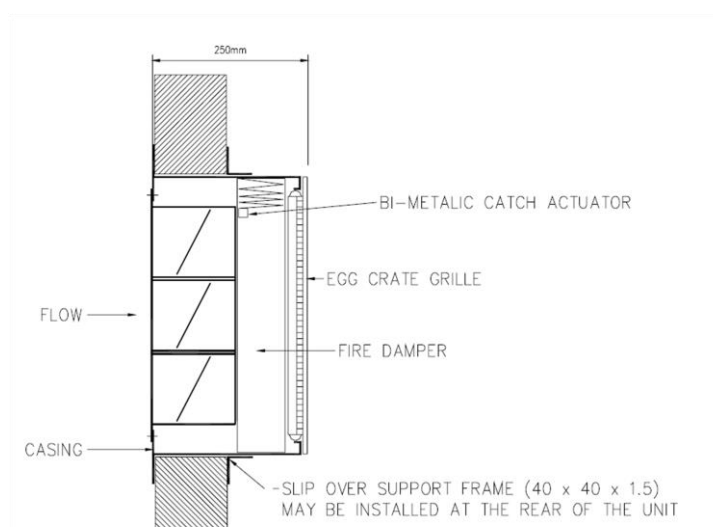
Install the stabiliser / fire damper unit in the centre of the aperture leaving equal spaces around the top, bottom and sides. Ensure that the serial number label is situated at the bottom right hand side of the stabiliser. This label also shows the direction of the airflow. The stabiliser must be installed with its front in the room of the highest pressure, with the airflow in the direction of the arrow. The stabiliser / fire damper unit must be installed squarely in both the vertical and horizontal directions. Screw fix the unit to the wall through the front flange.

Important: All gaps between the stabiliser casing and the wall must be filled with a fire-resistant material, approved by the local fire officer and / or regulations. Intumescent paste should be applied between the wall and the stabiliser case flange and the rear support flange.

STEP 4

Install the rear support flange. This is inserted onto the casing from the other side of the wall. The flange is then screw fixed in a similar manner to the stabiliser. Note depending on the wall thickness the rear flange can be installed with the angle facing into or away from the wall. Please note that rear flanges are individually matched to each stabiliser and should not be interchanged.

Figure 2. Cross sectional end view of pressure stabiliser & fire damper



STEP 5

Apply a bead of white silicon sealant around the edges of the case flange and wall and also the rear support flange and the wall. Also apply a bead of sealant around the joint of the stabiliser body and fire damper case.

R&D Ventilation Systems Ltd

Neath Abbey Business Park
Neath Abbey, Neath, UK SA10 7DR
Tel: +44 (0) 1792 813231
Fax: +44 (0) 1792 321816
www.rdvent.com
email: mail@rdvent.com

IN CASE OF DIFFICULTY

Please contact R&D Ventilation Systems quoting the serial number of the stabiliser, which is printed on the airflow direction label.