

Installation Instructions – EBS Fire Damper Pressure Stabilisers



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

It is strongly recommended that the pressure stabilisers 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 of the EBS Fire Rated Pressure Stabiliser



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.

STEP 2

Carefully remove the stabiliser packaging cross checking its reference number to the builder's drawings.

STEP 3

Install the stabiliser 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.

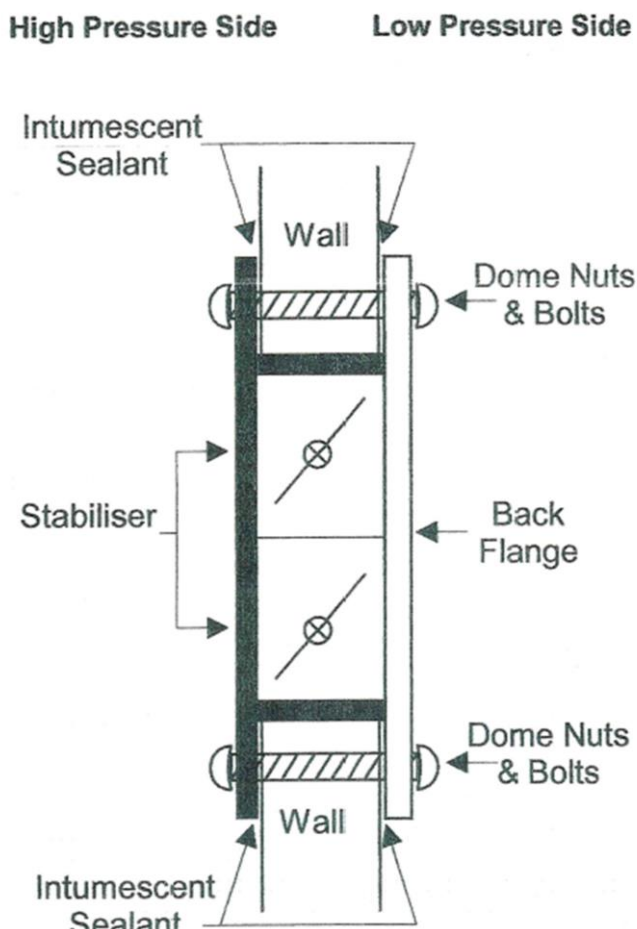
The stabiliser must be installed squarely in both the vertical and horizontal directions.

STEP 4

Install the rear flange. This is inserted into the stabiliser from the other side of the wall. The flange is then screw fixed in a similar manner to the stabiliser.

Please note that rear flanges are individually matched to each stabiliser and should not be interchanged. Bolts may need to be cut down to match the width of the wall as they are supplied at a standard size, unless specified otherwise.

Figure 2. Example showing a pressure stabiliser with 2 blades





STEP 5

Check that each of the blades moves freely in the housing.

Note: The top blade moves away from you when operated from the high-pressure side. If they do not move freely or are locked in the closed position, please contact R&D Ventilation

STEP 6

Apply a bead of intumescent sealant around the edges of the stabiliser flanges and the walls. Also apply a bead of intumescent sealant around the joint of the near flange and the stabiliser body.

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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.