

TECHNICAL DATA SHEET

Smoke & Fire Rated Pressure Stabilisers

- In many installations, where pressure stabilisers are installed in fire walls, HTM-05 or the local fire regulations require the installation of pressure stabilisers, with integral motor-driven smoke and fire dampers that are interfaced to the buildings BMS or fire alarm system. To meet this requirement, R&D Ventilation Systems Ltd close couple our EBS pressure stabiliser to a Actionair SmokeShield PTC smoke/fire damper.
- Please refer to R&D Ventilation Systems EBS Pressure Stabiliser data sheet for further information on the pressure stabiliser.

Product Features

- All the benefits of the R&D EBS pressure stabiliser.
- Mode 6 (230V) operation.
- Mode 5 (24V ac/dc) operation.
- Choice of either left hand or right-hand side fire damper motor location.
- Actionair SmokeShield PTC is tested to EN1366-2 and classified to EN13501-3.

Benefits to the Designer

- Hassle free design service.
- Free design software.
- Quality engineered reliable products.
- RAL 9010 powder coated as standard
- A wide choice of other RAL powder coat colours are available
- All products are designed to implement the requirements of HTM-03 & HTM-05.
- Wide selection of sizes available.



Benefits to the User

- Quiet in operation.
- Minimal maintenance.
- Easy to clean resilient surfaces.
- Reliable.
- **SteriTouch® Antimicrobial protection**

SteriTouch®

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Construction

The pressure stabiliser and the smoke / fire damper are close coupled as detailed in Figure 1. The stabiliser, supporting case and discharge side egg crate grille are all manufactured from antimicrobial powder coated aluminium. The standard colour is RAL9010 white, other colours are available on request.

Installation

Actionair's fixing / installation instructions must be followed when constructing the fire wall aperture, prior to the installation of the fire damper.

After the installation of the fire damper, the aluminium casing containing the EBS Pressure stabiliser is attached on the high-pressure side over the smoke and fire damper. It shall be fixed in accordance with R&D Ventilation fixing method.

The egg crate grille is to be fitted on the low-pressure side in accordance with R&D Ventilation fixing method.

Access to the motor cassette mechanism is via the site removable motor access panel. It is important that access to this panel is provided after installation to enable future maintenance and testing.

Comprehensive installation instructions are provided with each unit.

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Maintenance

As each pressure stabiliser is factory calibrated, installation and commissioning are straight forward.

Maintenance of the pressure stabiliser requires nothing more than occasional wiping. Maintenance and inspection of the smoke / fire damper unit should follow the local fire, building regulations and Actionair requirements.

For additional information on the fire damper, please refer to the Actionair SmokeShield PTC data sheet.

Please refer to the separate installation and maintenance R&D Ventilation Systems Ltd instructions.

Every effort is made to ensure that the information contained in R&D literature, drawings and correspondence is accurate, but no warranty is given in this respect, and the Company shall not be liable as a result of any inaccuracy. The Company reserves the right to alter at any time, without prior notice, the design, specification, packaging or price of any article and without incurring any obligation.

DIMENSIONS

DWFX-F Frame Dry wall, Block / Masonry wall

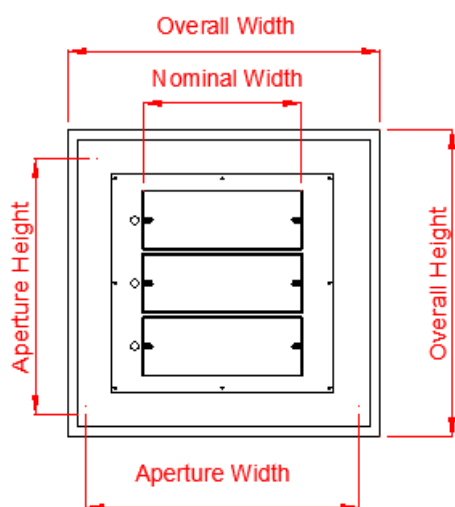


Figure 1a-
Typical front view

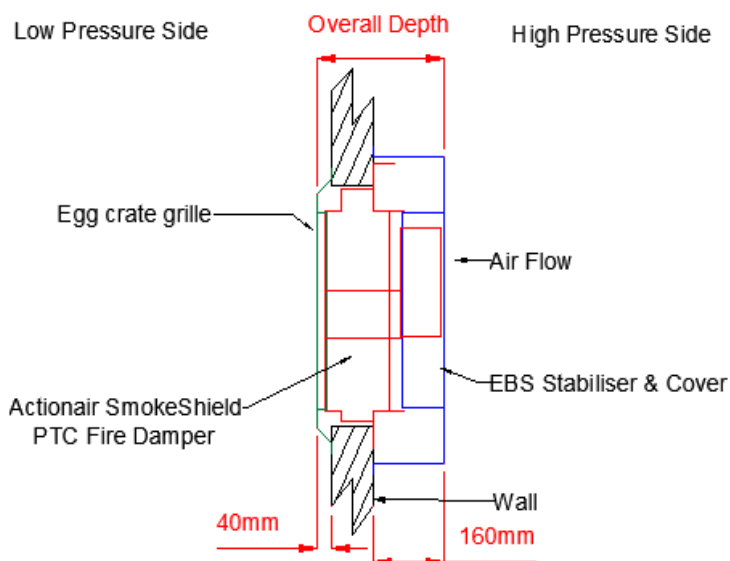


Figure 1b-
Typical side view

No of Blades	Aperture Size (mm)		Overall Size (mm) (Typical tolerance +/- 5mm)		
	Height	Width	Height	Width	Depth
1	400	Nominal + 196	595	Nominal + 355	200+ Wall
2	400	Nominal + 196	595	Nominal + 355	200+ Wall
3	548	Nominal + 196	713	Nominal + 355	200+ Wall
4	696	Nominal + 196	861	Nominal + 355	200+ Wall
5	844	Nominal + 196	1009	Nominal + 355	200+ Wall
6	992	Nominal + 196	1157	Nominal + 355	200+ Wall