

TECHNICAL DATA SHEET

Gilberts Firegard Thermal Fire Damper Pressure Stabilisers

- In many installations where Pressure Stabilisers are installed within fire walls, the local fire regulations require the installation of fire dampers, with thermal (72°C operation) release mechanism.
- To meet this requirement R&D Ventilation Systems close couple their EBS pressure stabiliser to a Gilberts Firegard (FD2) damper.
- The application for R&D Composite Pressure Stabilisers provides a cost effective, highly reliable and robust solution to facilitate this requirement.
- R&D Fire damper / Pressure Stabilisers are specifically designed for use in hospital operating theatres, aseptic suits, pharmacies, pharmaceutical process facilities and industrial clean rooms.

Benefits to the Client

- Quiet in operation
- Reliable
- Ease of maintenance
- Easy to clean resilient surfaces
- **SteriTouch® Antimicrobial / bacterial protection**

Figure 1



Benefits to the Consultant

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

Product Features

- **SteriTouch® Antimicrobial / bacterial protection**
- Hidden fire damper closure mechanisms.
- Free design service offered
- Pressure Stabiliser easily adjustable on site
- 72°C thermal actuator fire damper operation.
- Custom manufactured to fulfil your precise requirements.

Construction

The pressure stabiliser and the 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.

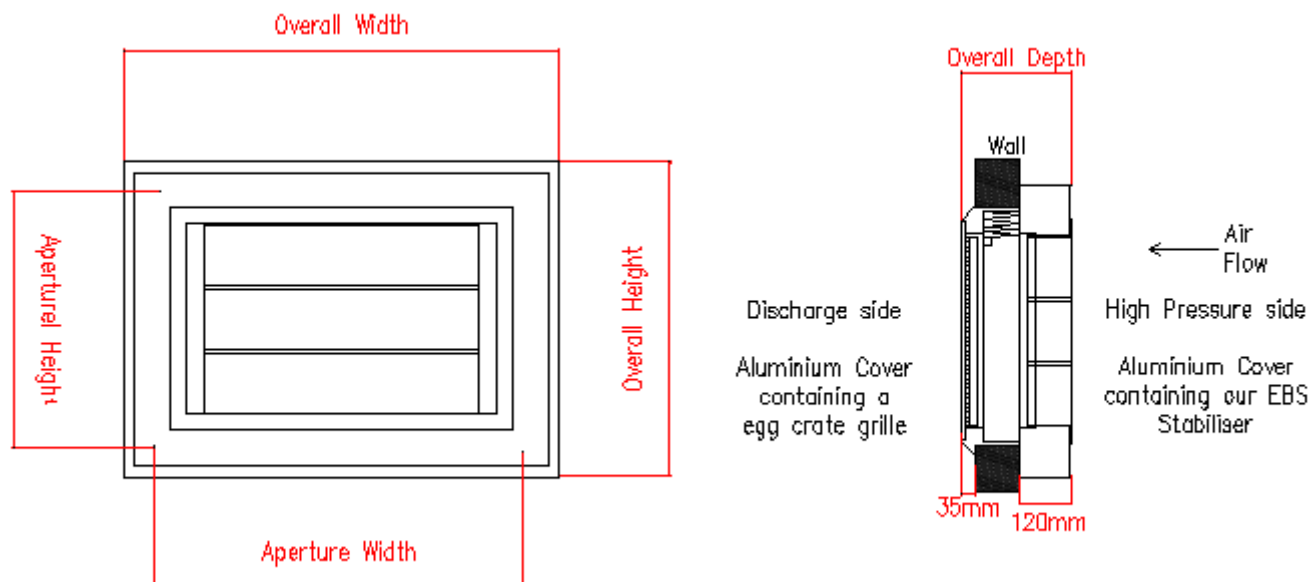
Maintenance

Because each pressure stabiliser is Factory calibrated, installation and commissioning are straightforward. Maintenance of the pressure stabiliser requires nothing more than an occasional wiping or vacuuming. Maintenance and inspection of the fire damper unit should follow the local fire and building regulations. For additional information on the fire damper, please refer to the Actionair "Fire shield" data sheets. These data sheets are available via a link on our web site.

Installation

The composite unit is designed to be fitted with the stabiliser in the high-pressure room and discharge into the low-pressure room or corridor. Access to fire damper release mechanism is via the stabiliser side by removing the entire front cover of the unit. The standard unit is designed in two half's the stabiliser side which has a 120mm protrusion off the wall and the rear frame which has a protrusion of 35mm off the wall on the opposite side of the wall. The full depth of the wall must be a minimum of 100mm for deeper wall installations please consult with R&D's design department. Comprehensive installation instructions are provided with each unit.

DIMENSIONS



NOTE: The below sizes are subject to change, this product is still under development.
please confirm sizes with us email: mail@rdvent.com

No. of Blades	Aperture Size (mm)		Overall Size (mm) (Typical tolerance +/- 5mm)	
	Height	Width	Height	Width
1	263	Nominal + 174	445	Nominal + 380
2	411	Nominal + 174	593	Nominal + 380
3	559	Nominal + 174	741	Nominal + 380
4	727	Nominal + 174	949	Nominal + 380
5	867	Nominal + 174	1089	Nominal + 380
6	1027	Nominal + 174	1229	Nominal + 380

NOTE: The above sizes are subject to fire damper manufacturing tolerance of +/- 4mm

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