



TECHNICAL DATA SHEET

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Client Benefits

- Designed and Tested for use in flexible wall systems.
- Incorporating an air transfer fire/smoke resistant shutter
- Unique blade release system for superior maintenance.
- SteriTouch® antimicrobial protection as standard.
- Quiet day-to-day operation.
- New compact design

The APSX®-FSS-123 model of Air Pressure Stabiliser has been added to the Apreco range following extensive feedback from the healthcare market. The need to protect patients and staff in the event of a fire is of paramount importance, our new APSX®-FSS-123 with its sleek compact design has been well received from Clients, Designers and Infection Control personnel.

The design philosophy behind the APSX®-FSS-123 has been developed following consultation with M&E consultants and contractors with the assistance of WarringtonFire; world renowned experts in the testing fire/smoke are rated products for the construction industry.

We looked at the current testing approach to fire damper/shutter products and concluded that they are generally covered by BS EN 1366-2:2015 which relates to the ability of a fire damper to prevent fire and smoke spreading from one compartment to another through the air ductwork systems.

An operating theatre Air Pressure Stabiliser is there to provide 'door' flow-protection and is invariably located next to a door with a 30- or 60-minute fire rating and not in the air ductwork system. The Air Pressure Stabiliser is therefore acting more as an Air Transfer Grille than a Damper. So, to provide a product tested in a manner for the environment it was designed for, we adopted the following test protocols to evaluate the performance of the APSX®-FSS-123 BSEN 1364-5:2017 *Fire Resistance (WarringtonFire Test 412865)* BS476-31-1:1983 *Smoke Leakage (WarringtonFire Test WYC417772)*.

The VARI-centric® balancing system accurately controls the differential air pressure between adjacent rooms, with the blades closing fully as soon as the pressure differential drops below the required level. This diverts the airflow to pass through an open door forcing back airborne contamination without the need to alter the air extract and supply. Positive pressurisation of Operating Theatres to protect them from the ingress of infectious agents passing through the open doors, by providing high air volume rates, is a well-established principle of hygiene and infection control, forming the fundamental principles on which Health Technical Memoranda HTM 03-01 & HTM 2025 are based.



Apreco VARI-centric® Air Pressure Stabilisers and associated products are supplied as standard with SteriTouch®, utilising Silver technology – which is already used extensively within the healthcare sector as an excellent antimicrobial protection in conjunction with good hygiene practices. SteriTouch® is extremely effective in helping to protect against harmful bacteria including MRSA, E-coli, Salmonella and C-diff.

Product Data

Items:

Air Pressure Stabiliser, Air Transfer Grille and Smoke Fire Shutter tested to BS EN 1364 Part 5 in a stud partition wall for a 60 minute duration.

Actuator:

Mode 6 (230V) as standard, Mode 5 (24V AC/DC) optional

Materials:

Air Pressure Stabiliser: Aluminium frame with carbon steel blades. Enclosure and Wall Mounting: carbon steel

Standard Finish:

RAL9010 powder coated white SteriTouch® antimicrobial protection as standard. Alternative colours available on request

Bearings:

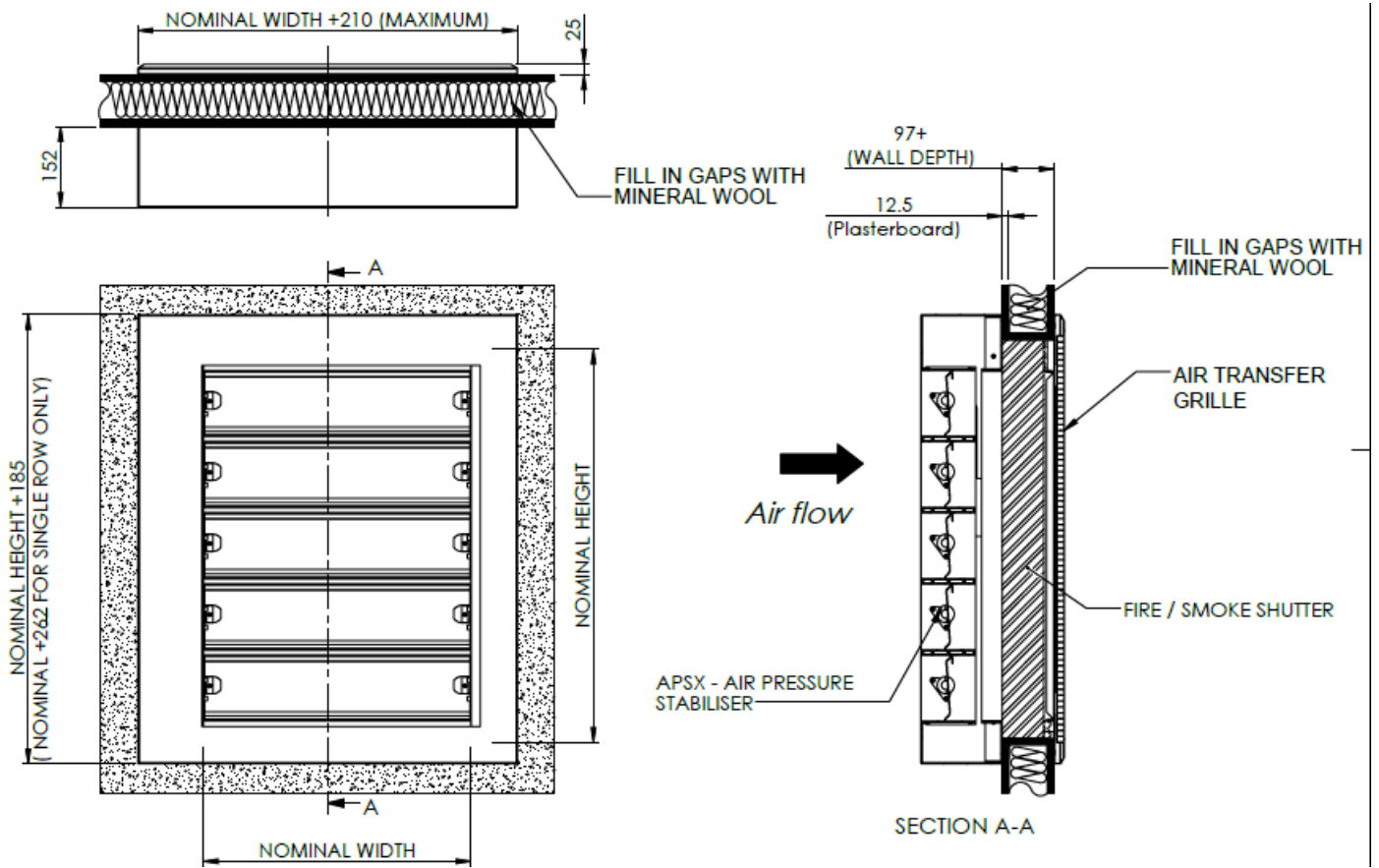
Stainless Steel ball roller type 'sealed for life' ball bearings

Pressure Control Range:

3 to 50Pa with a setting accuracy of +/- 1Pa over the operating range

Patent pending GB 2600994

Dimensions



Accessories



X-Ray Protection Screen



Laser Protection Screen



Air Baffle Screen