

# Natural Ventilation Louvre System



The VENTSAIR® natural ventilation louvre system is designed to suit a variety of different building façade applications to provide controlled fresh air during the day and secure night time cooling via cross flow and stack ventilation.

- Available to suit most conventional glazing options or flange mounted to suit wall openings
- Supplied with a white internal eggcrate grille but linear bar grilles are also available
- Security bars fitted as standard to prevent louvre blades being removed externally
- Dampers are operated by 24V AC/DC modulating actuators and can be controlled by Monodraught iNVent control system or any leading BMS
- Dynamically modelled using NAVENSYS thermal modelling software, able to predict internal temperatures based on CIBSE external weather data
- Quantum ultra low leakage damper, 200 mm depth with a U-value of  $1\text{W/m}^2$  and air tightness of  $1\text{m}^3/\text{h/m}^2$
- 10 year guarantee



*VENTSAIR external and internal views Creative Learning Centre, Claverham Community College, Battle, West Sussex*



*VENTSAIR systems installed in the Small Hall and Main Hall at Weedon Hill Community Centre, Aylesbury, Bucks*



## VA150/VA275

### General description

The VA150 and VA275 are available powder coated in any BS or RAL colour reference. Supplied in panel format they are specifically designed for commercial projects.

### Technical Details

#### Materials

- Manufactured from 2.0 mm thick Aluminium sheet
- Comprising 120 mm depth of acoustic infill material of 45 kg/m<sup>2</sup> of material density tissue faced
- Powder coated in any BS or RAL colour reference

#### Performance

Louvre type	Depth	Airborne sound reduction index (dB) at octave band							
		63	125	250	500	1K	2K	4K	8K
VA 275	4	7	10	12	15	16	13	12	
VA 150	2	3	4	8	13	11	9	8	

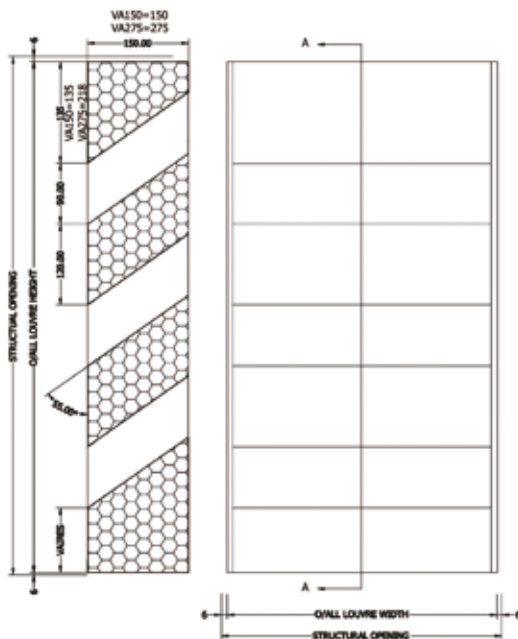
- Free area may vary due to size and configuration though generally a 36% free area is achieved

#### Dimensions

- Available in sizes 500 mm x 500 mm up to 2000 mm wide and 1500 mm high
- 90 mm air passage with intervening acoustic infill blade of 120 mm depth
- Glazed-in outer frames to suit 24 and 28 mm as standard
- Product depth: VA150-150 mm & VA275-276 mm
- Weights: VA150-approx 30 kg/m<sup>2</sup> & VA275-approx 45 kg/m<sup>2</sup>

#### Options

- Expanded metal bird guard is fitted as standard
- Flanged outer frame
- Internal insect mesh available



VA38 OUTER FRAME



VA38 GLAZE-IN

## VA38

### General description

The VA38 is a high specification small format louvre system designed for use within the commercial industry. The system has been used extensively in education facilities, health facilities as well as retail schemes.

### Technical Details

#### Materials

- Extruded Aluminium alloy profiles to 6063 T6
- Class leading profile thickness 1.5 mm
- Mechanically jointed with Zintec corner chevrons

#### Performance

- Class 'A' BSRIA tested weathering performance
- Physical free area approximately 40%
- Mean Ce Factor 0.202 (Class 3)

#### Dimensions

- 34 mm Blade Pitch
- Product depth 38 mm overall
- Glazed-in outer frames to suit 24 and 28 mm as standard
- Glazing rebate height 24 mm
- Minimum manufacture height 171 mm (for glazed-in variants)

#### Options

- 24 or 28 mm Glazed-in frames as standard
- Flanged outer frame
- Box frame for reveal mounting
- Fly screen option