



# Acoustically treated ventilator minimises noise pollution when background ventilation is required.

The provision of fresh air for rapid ventilation to all apartments is to be available without any inconvenience that may be caused by noise pollution from the road immediately adjacent to the development.

To this end any apartments situated on the main road are to be provided with an acoustically treated ventilator. These are to be situated in the external wall of any room overlooking the road.

N.B. ALL rooms in corner/end apartments where one or more rooms overlook the road are to have the acoustic ventilators provided, regardless of that particular room's proximity to the road.

### Features:

- Manual operation for total flexibility
- Airflow 38l/s @ 50Pa when fully open
- Prevents ingress of wind, rain etc with externally fitted baffle
- Aluzinc finish can be painted to allow blending into any environment
- Telescopic design allows for differing wall thicknesses
- Class 0 rated flame retardant acoustic material
- SRL test report available
- 3 year warranty

The acoustic ventilator shall be a manually operated device used at the discretion of the apartment's occupier and when in use shall allow fresh air to pass into the room in question. The fresh air flow will be a combination of natural infiltration and fan assisted via the apartment's ventilation system. The unit's air flow characteristic shall be 38l/s @50Pa when the adjustable regulating plate is fully open. When the acoustic ventilator is in use any externally generated noise from the adjacent road shall be kept to acceptable levels and shall be equivalent to that of the particular unit specified elsewhere in this document.

The acoustic ventilator shall have a baffle plate mounted externally and an adjustable regulating plate on the internal face both suitable for paint finishing. The external baffle shall act as a weather shield stopping the ingress of wind, rain, etc. and shall be manufactured from aluminium alloy. The adjustable regulating plate shall be of a blank appearance so as to appear neutral to the wall in which it is situated. The adjustable regulating plate will be hinged for operation; the hinge mechanism will be graduated to facilitate the adjustment.

The unit casing shall be manufactured from Aluzinc corrosion protected steel and shall be of a minimum 1.5mm thickness.

The unit dimensions shall be 450mm wide x 200mm high x 200mm deep (min), the depth of the unit shall be telescopic to suit different wall thicknesses; this facility shall not affect the acoustic properties or the air flow characteristics of the acoustic ventilator.

The acoustic media used within the unit shall be flame retardant material, Class 0 rated.

Unit shall be all as per model reference ACC-400 as manufactured by Nuaire Ltd.

The unit shall have a 5 year warranty.

### Acoustic Performance –

(Summary – for full data see SRL test report C/04/5L/3108/1 method BS EN ISO 717-1:1997).

Vent in closed position:-	Rw (C;Ctr)	54
Vent in open position:-	Rw (C;Ctr)	46
For comparison, 220mm cavity wall without penetration:-	Rw (C;Ctr)	58

