**RENSON WINDOW VENTILATION® SPECIFICATIONS**

**Brand : Flap ventilator for conservatories**

**Type : Oxyvent®**

**Manufacturer and reference:**

The Oxyvent® is manufactured and supplied by Renson Ventilation Tel: 01622 754 123 Email: info@rensonuk.net

**Description:**

The RENSON® Oxyvent® is a thermally broken extraction ventilator for fast and easy installation on glass, polycarbonate panels or sandwich panels assembled in a sloping conservatory roof. The perforated (2 series: 2.9 x 19 mm and 2.9 x 14 mm) interior profile acts as an insect mesh. The external profile also acts as a rain cap. Thanks to natural convection, cool and fresh air is supplied through vents in the vertical glass wall, while warm and humid air is extracted through the Oxyvent®.

**System operation and performance:**

Not self-regulating

Thermal conductivity: U-value = up to 2.8 W/m2K

Watertightness up to 50Pa in open position

Watertightness: up to 650Pa in closed position

Air leakage (in closed position) at 50Pa: <15%

Burglar proof

**Airflow and sound Reduction:**

Dn,e,w (C;Ctr) open (dB) 27 (-1;-2) dB

Dn,e,w (C;Ctr) closed (dB) 40 (0;-2) dB

Q at 1 Pa (l/s/m ) 11,8

Q at 1 Pa (m³/h/m) 42,6

Q at 2 Pa (l/s/m ) 16,7

Q at 2 Pa (m³/h/m) 60,2

Q at 10 Pa (l/s/m) 37,4

Q at 20 Pa (l/s/m) 52,9

Equivalent area (mm²/m) 15058

**Dimensions / Size Range:**

Glass reduction: 210 mm

Height: 190mm

Fits to glass / sandwich panel thickness of: 28 – 86 mm (by steps of 2 mm)

Maximum length: 1500 mm

Slope: min. gradient of 5° or on vertical walls

**Ventilator Construction:**

Profile: manufactured from aluminium alloy Al Mg Si 0.5.

Thermal break: PVC

End caps: ASA polymer type Luran S (colour-fast, weather and UV-resistant).

**Surface treatment:**

Polyester powder coating in any RAL colour (60 to 70 micron): aluminium profiles pre-treated to resist corrosion to guarantee (dual colour possible)

End cap colours: white, black or grey (other colours available on request)

**Controls Option:**

Manual, or rod / motorized interior flap (24DC) optional (continuous adjustment)

**Installation:**

Glazed-in installation or installation in structures with sandwich panels.

Also suitable for installation on swimming pool covers (for manual and rod control).

**Standards:**

EN ISO 140-10, EN ISO 717-1, EN 1026, EN 1027, EN 13141-1, EN 12020-2, EN AW 6063 T66, NBN D50-001, EN 1077-2