

## Technical Information

The design of the product involved extensive CFD modelling as well as exhaustive testing in the aerodynamics laboratory to AS/NZ Standard 4740 Natural Ventilators (performance and calculation).

The one product provides daylight and ventilates very effectively. It is the only product of its type on the market (Natural daylight/ventilator) that can achieve 60 l/sec exhaust at Sydney's average wind speed to meet the Building Code of Australia's AS 1668.2 wet area performance requirement.

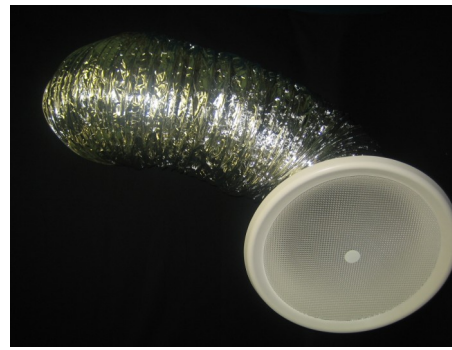
The product solves the issues of reducing condensation and removing unwanted heat and humidity at its source and transports this hot moist air outside of the building envelope. The unit also provides daylight to inside spaces and does not depend on or use any energy apart from natural daylight and natural ventilation.

Complies with BCA Volume 2, Table 3.12.12 and Volume 1, Table J.1.4 (roof lights). Clear and opalised domes available

### Verification to AS/NZ 4740

Required by BCA to AS 1668.2 wet areas, 25 litres/sec extraction

Achieves 60L/sec@12km/hr (siphonage). Unit also has superior stack effect and buoyancy due to unobstructed flow path.



Adjustable ceiling diffuser enables full flow or continuous trickle flow to ventilate bathrooms 24 hours / 7 days a week



Ability to close diffuser for heat loss and operations in cooler climate zones



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Since 1989

**Innovative Sustainable Solutions**  
**Daylighting**  
**&**  
**Natural Ventilation**

**WD SkyVent**  
**&**  
**SeaBreezer**

Patented Technology



- **People's Choice episode winner 2007, as seen on ABC TV's New Inventors Program**  
<http://www.abc.net.au/tv/newinventors/txt/s1905694.htm>
- **2008 Australian International Design Award Shortlisted**
- **The revolutionary dual function tubular skylight and ventilator**
- **University of Technology Sydney tested to Australian Standard AS/NZ 4740**

## Revolutionary Design incorporating

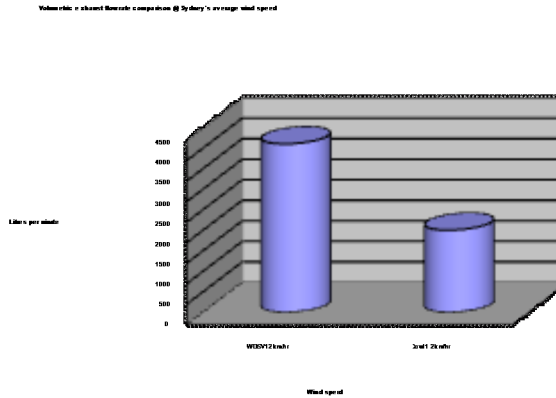
- A natural ventilator and a natural lightpipe in the ONE product, that uses no primary energy source apart from the sun, wind and stack effect



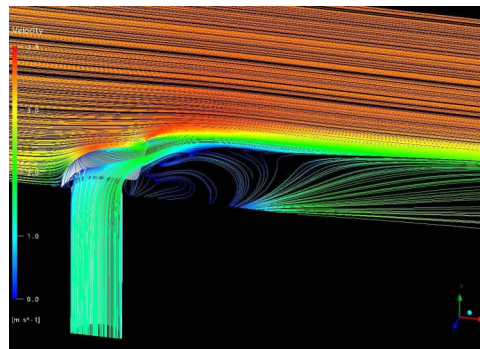
- Ventilates at source of moisture.
- Ideal for use in bathrooms, laundries and attic spaces to remove condensation, hot moist air and odours.
- Reduced condensation and mould growth, in turn reduces the potential for asthma and dust mites.
- Omni directional head and patented aerodynamic design acts as a solar chimney.
- Design induces stack effect and unimpeded airflow characteristics to work in still wind conditions utilising pressure differential and buoyancy of air.

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## '40% better ventilation than comparative products'



## CFD Analysis and Aerodynamic lab testing conducted by the University of Technology, Sydney



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Attractive design suits all styles of architecture



External view



Internal view



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