

Hot air – the next thing in solar heating

EVERYONE IS familiar with solar panels that produce hot water or electricity.

Now comes the solar collector that heats air.

The unit produces warm air that can be used for space heating and to cure condensation. Powered by the sun, it costs nothing to run.

The unit circulates warm, dry, fresh, air to create a living space free from odours, water vapours and carbon dioxide.

Applications include:

- Where houses smell musty and feel cold and damp throughout winter
- For residences that are unoccupied or left closed all day for security
- For energy efficient buildings that are tightly sealed and lack fresh air
- Where houses have damp sub-floors and mould, rising damp and rotting floors are a problem.

Produced in Denmark, Solar Venti has more than 12,000 units in service throughout Scandinavia. Units are now being exported throughout Europe, Australia and New Zealand. They come in four sizes ranging from 720x540mm to 3000x1020mm, is only 100mm in depth, and the largest unit weighs only



29.5kg. The units do not use external power or plumbing connections and can be installed by a modestly competent handyman.

Collectors may be mounted on a north facing roof in the same way as hot water or photo voltaic solar panels, or on an outside wall. Insulated flexible ducting conveys the heated air into the house where it is dispersed through a ceiling or wall mounted diffuser.

A solar powered fan draws air through the back of the unit, passing it across a black felt mat and discharging the heated air into the house. A built in photo voltaic panel powers the fan that is mounted

inside the unit casing. Air passing through the unit cools the photo voltaic cells, helping to extend their life. This results in a useful life of the entire unit of at least 15 years.

Each collector is supplied with an on/off switch to stop the fan from running when outside conditions are excessively hot. Larger units are supplied with fan speed regulator or thermostat to give more precise control of internal conditions.

For further information contact Global Export Solutions, 28 Essex Rd, Surrey Hills, 3127 or phone 9830 2161.