

# Keep your house fresh and dry – all year round and with absolutely no running costs!

The new SolarVenti system is a highly effective and innovative solution for keeping the atmosphere of a building fresh and dry, particularly those that are not in regular use. Developed in 2001 by SolarVenti A/S, Denmark, a company with almost 25 years of solar energy experience, more than 14000 SolarVenti systems were sold within the first five years of production.

## The overall effect of the SolarVenti

The SolarVenti is patented in Denmark (patent number PR 174935) and pat. pend. in England and most relevant countries in and outside Europe. It is also internationally PCT-registered.

Initially the product was particularly successful with owners of Scandinavian summer cottages, but is now successful in a variety of buildings in places as diverse as Greenland and Spain. Damp and stale air is a common problem in unventilated buildings everywhere. The SolarVenti starts and stops automatically, activated by the sun. The built-in fan has a capacity of approx. 50-100 m<sup>3</sup>/h and exchanges the air in the building with fresh, warm and dry air.

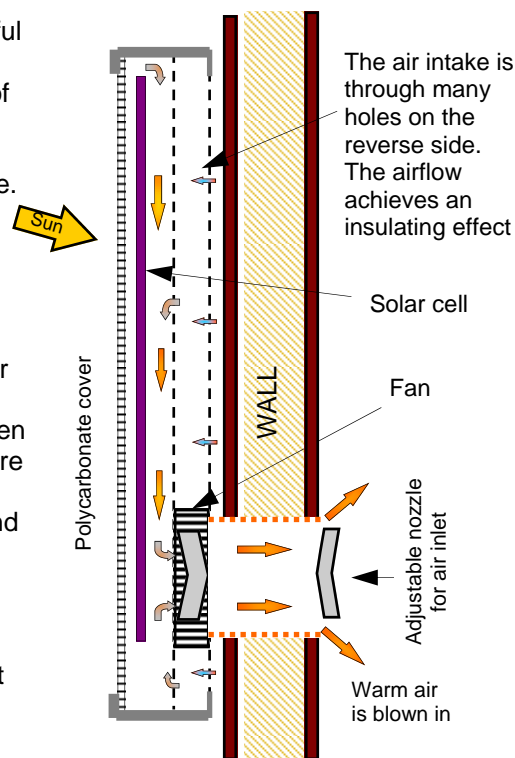
The effect of the SolarVenti is usually greater than would be expected, as several factors reinforce each other. Especially in winter when dampness in buildings is at its worst, there are many periods with cold and clear weather. The air from outside is then extremely dry and fresh and becomes a powerful dehumidifier after it has been warmed and blown into the house by the SolarVenti.

The economics of the SolarVenti are incredible. Besides being totally independent of the public electrical supply – and non-polluting – the SolarVenti saves normal heating costs, as it is much cheaper to warm a house in which the air is already dry. If convenient, you may turn off the heating system when the house is unoccupied.

## Easy to install

The Solar Venti system can be fitted within a few hours by a do-it-yourself enthusiast or a professional installer. The only tools required are a power drill, screwdriver, hammer and chisel. Full, simple instructions for installation are provided.

## The principle of SolarVenti



**SolarVenti**

Danish patent number: PR 174935

## What is special about the design of the SolarVenti?

A normal solar collector is insulated on the back and may get very hot - up to 140°C - if not cooled. The high temperature will ruin any solar cell placed inside such a system. The new system, developed by Aidt Miljø, automatically cools itself, even when the fan is shut off.

The result is a cleverly designed solar collector that can be fixed to a wall. The model SV14 manages to blow in 60-90 m<sup>3</sup> dry, warm air, thus keeping a house of max. 70 m<sup>2</sup> wonderfully fresh and dry during the winter. The SolarVenti model SV14 warms the air approx. 30°C (at 60 m<sup>3</sup>) over the outside temperature before it is blown in.

The smaller models SV7 and SV3 warms the air approx. 15°C over the outside temperature and are suitable for houses of approx. 40 m<sup>2</sup> and 25 m<sup>2</sup> respectively. The SV3 is also excellent for boats and trailers, and the big model, SV30, assists the heating as well as the ventilation of larger houses and buildings.

## As bad as it gets!

*About buying a SolarVenti system.*

A married couple who owned a summer cottage wanted to save money. They calculated that it would be all right, though, to invest in a small fresh air system, instead of one of them having to go by bus to the house each week to ventilate this. Why not save the bus ticket?

A few months later they met the man who had sold them the system, and he asked them if they had really saved what they expected.

"Unfortunately not," answered the husband. The salesman was confused and asked for the reason.

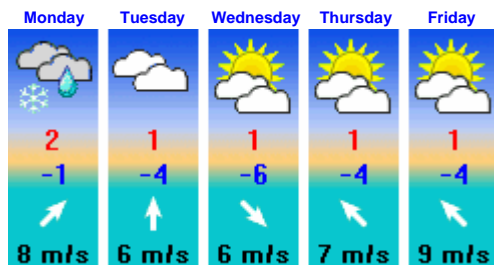
"Since we installed the system, my wife wants to come along each week. That is how nice the atmosphere in the house has got!"

Well, that's about as bad as it gets. Luckily!



### Why is fresh air so effective in removing humidity?

If you take a look at the weather forecast, you will notice there is almost always a connection between cold, clear weather and sunshine. Frosty nights are often followed by days with plenty of sunshine. Such a day is a field day for the Solar Venti!

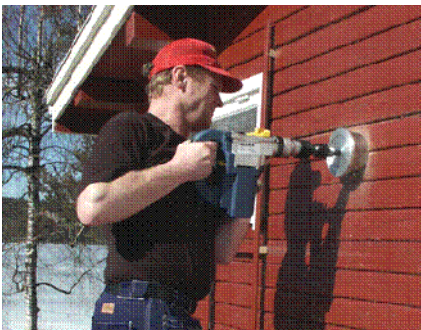


Cold air cannot hold much moisture. The dampness is deposited as frost and dew. The cold dry air is drawn into the SolarVenti, warmed and blown into the house keeping the interior fresh and dry.

The SolarVenti has no compressor requiring electrical power and no service costs – just a ventilator activated by the sun that takes care of circulation, at no cost at all. The cold that makes a traditional compressor work is reproduced here in nature. That is what makes the SolarVenti work so effectively.

### SolarVenti A/S (former Aidt Miljø)

has developed, sold and installed solar energy systems since 1981 (solar air systems since 1988) for the heating of water and buildings and for private and public swimming pools. When a new government, suddenly and without warning, withdrew all subsidies on solar energy, a complete change-over was necessary. From then on, practically only producers with a big export or a capability of finding new ways, could survive. Aidt Miljø was among the last. From constituting only 10 % of the sales, our solar air systems, with the new SolarVenti among them, grew to be 90 % of the total turnover. The number of employees has gone up, and our export has increased considerably. Although a very costly affair, patents have been applied for in most relevant countries – China, Japan, Australia, USA etc., besides Europe.



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### No heating costs:

The big SV30 model weighs 29 kg. Through the years it will yield a large number of free kilowatt hours. Fits houses of up to approx. 140 m<sup>2</sup>

**SolarVenti®**



### The many advantages of the SolarVenti

The appropriate model of SolarVenti will keep your house fresh and dry without using any power. It cannot 'guarantee' a frost-free interior, but the house will be warmer than without it and much more pleasant to be in. Tools are saved from going rusty, drawers and doors no longer jam, bedclothes can be left in the house without going damp and smelly, and salt and sugar do not solidify in the bowl. The possibilities of the SolarVenti method are varied and many. It can be used in places like workshops and basements, in garages with veteran cars and motor-bikes, in museums, store rooms etc.



A nice result, with a colour that matches the black roof. SV30 black