

# Fresh, warm air with: *SolarVenti* SV30 - 3m<sup>2</sup>

## A nicer, dryer house or building at zero-cost

Let the free sun keep your house fresh and dry the whole year around

*Why use expensive dehumidification system, when you in most cases only need a solar air collector, blowing warm, fresh air into the room when the sun passes by.*

A 3 m<sup>2</sup> collector heat up approx. 150 m<sup>3</sup> air pr hour 20 – 40 degrees depending on the solar radiation.

The air passes through a heavy felt in the collector, which is warmed up by the sun. On a clear day, when the system is normally running, the air will be fresh and dry.

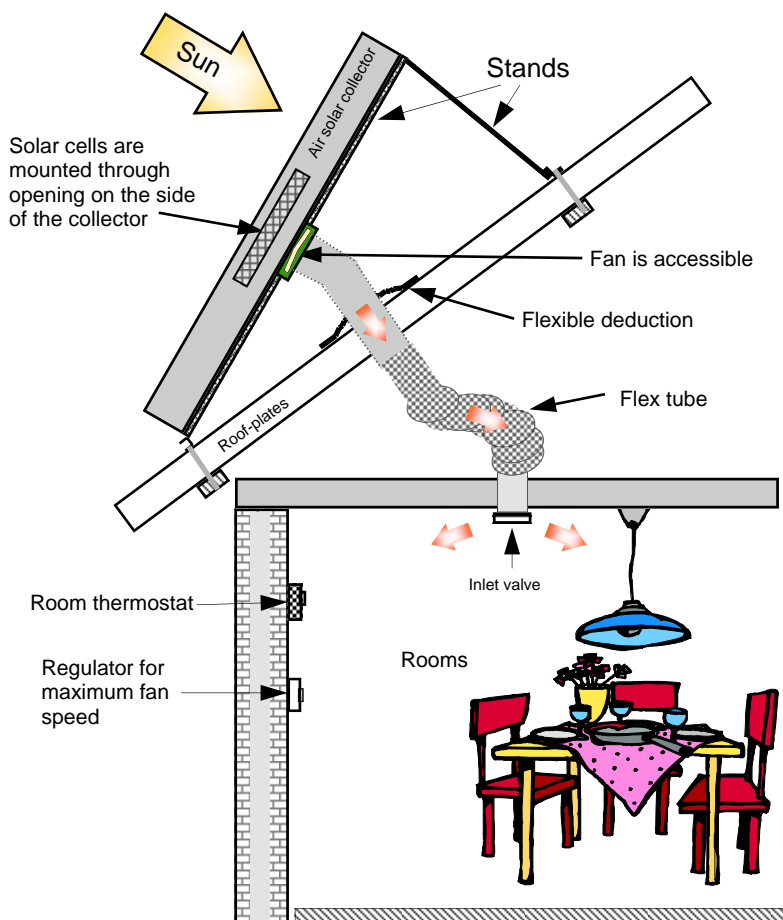
Although the system is not running every day, experience shows that a house at approx. 140 m<sup>2</sup> may be kept dry in this way.

The heat-output from the collector will normally stay between 1 and 2 kW - but the "drying effect" is much higher, mostly because of the exchange of the inside air with relatively dry air from the outside.

The *SolarVenti* collector contains a fan driven by a built in solar cell.



On this picture you see a 3m<sup>2</sup> system (SV30) on the roof. The collector is placed on stands in an angle of 60°. This angel gives the optimal effect the whole year round.



SV30 for houses up to ca. 140 m<sup>2</sup>

**So easy !!**

Seen from the one side a system may look like this.

The collector can be given a better angel to the sun if you put it on stands like this.

A special piece of flex-tube takes the noise.

The fan and solar cell are placed inside the collector for easy mounting.

### How is the system controlled?

*The sun itself is the overall regulator. The more sun, the more air and heat you will get. The room thermostat is placed in the major room in your house.*

*Set it at e.g. 25°. If the temperature in the house exceeds 25°, the fan will stop. With the regulator you can lower the speed of the fan. The less the air flow, the higher the temperature.*

*If your house is left unoccupied for a longer period, set the regulator at highest speed. With the regulator you can also switch the system on/off.*

# Fresh, warm air with: *SolarVenti* SV30 - 3m<sup>2</sup>

## Technical data:

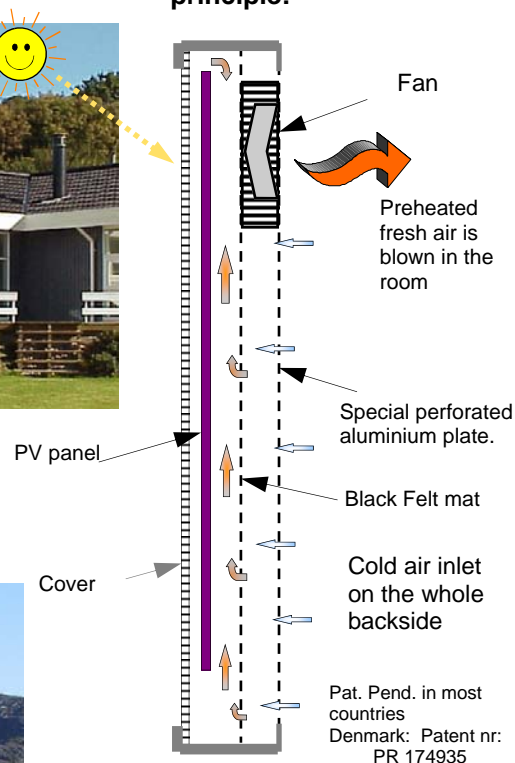
### Solar air collector

Producer:	Aidt Miljø A/S Denmark
Dimension:	300 x 102 x 10 cm
Weight:	29 kg
Frame	Sturdy Aluminium
Colour:	Black, white or raw alu.
Cover:	Shockproof Polycarbonate
Absorber:	Special felt mat
Solar cell:	18 - 36 W, depending on need
Control:	1 room thermostat 1 regulator
Fan:	12 V, 7 W. Air fan 125 mm
Extra:	
Roof mounting kit	
Noise reduction:	Flexible – 75 cm length.



Available in 4 sizes for houses and buildings between 10 and 140 m<sup>2</sup>.

### Collector principle:



Pat. Pend. in most countries  
Denmark: Patent nr: PR 174935



An example 3 m<sup>2</sup> air collectors from the "Tele museum in Greenland". Here the solar cells are placed beside the collectors (older model). The collectors keep the old communication equipment dry and free of rust and mould. (Contact person is Arne Kyed, the community of Julianehåb)



### High output:

A 1,2 m<sup>2</sup> air collector, which is mostly used in summer-houses has been tested at the technical Universities in Denmark and Austria. A report in English is available from both Universities. The *SolarVenti* is a Danish invention with pat. pend. in most countries. Danish patent number is: PR 174935.

SV30 only weighs ca. 29 kg and is therefore easy to carry up on a roof. Do you have a good position on the wall it is possible to mount it there. The angle must be minimum 60°.

Dealer:

Producer:

**Aidt Miljø A/S**

Kongensbrovej, Aidt

DK 8881 Thorsø, Danmark

Tlf: +45 8696 6700 Fax: +45 8696 6955

[www.solarventi.com](http://www.solarventi.com) [aidt@aidt.dk](mailto:aidt@aidt.dk)

