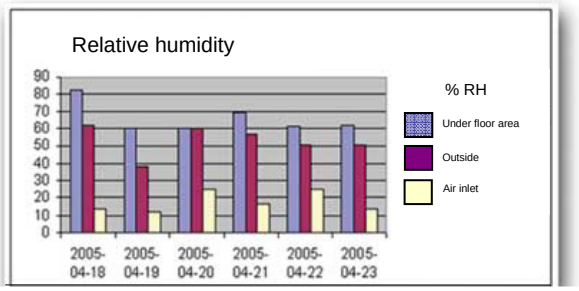
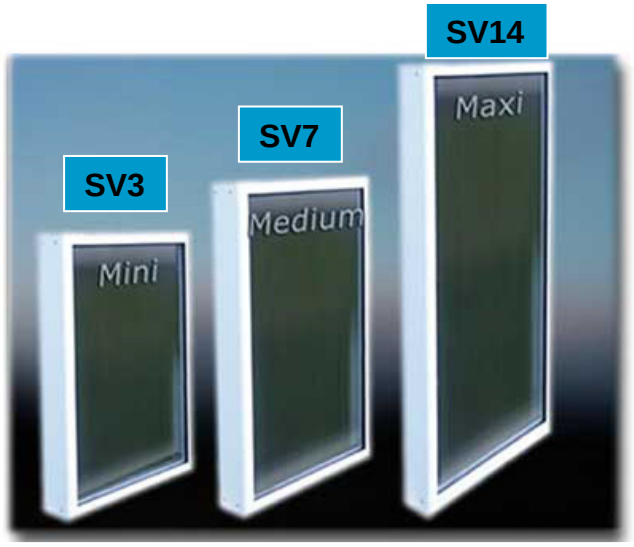
# The use of a *SolarVenti* air collector in under floor area

*The easiest installation is directly against the wall, with the flextube pushed through existing vent/opening,*
*If the SolarVenti is tilted slightly, it will be more effective than if installed in a vertical position.*




*Above tabel shows that the moisture in the under floor area after the installation of an SV14 is stabilized at a level which is 20 % lower than before the SV14 was activated.. As shows, the amount of moisture in the air inlet was relatively high on the 20nd and the 24th. The only explanation to this is the lack of sun at the time of the measurement. The fan was running at the lowest speed. Between the clouds there was evidently sun enough to secure ample fresh, dry air for the under floor area.*




*For dehumidification of the under floor area any SolarVenti model may be used including the SV30 which is not shown here. SolarVenti can be installed in a standing or lying position and/or at a short distance from the under floor area to be ventilated. SolarVenti comes in aluminium, black or white.*
*A larger model will have the highest dehumidifying effect, but for practical reasons it is sometimes better to install two smaller models instead of one large one.*

## *SolarVenti advantages:*

- **No running costs whatsoever**
- **Need no mains power or plumbing**
- **Simple do-it-yourself installation**
- **Maintenance free, needs no attention**
- **Models sized to suit all under floor areas**

*Models and capacity*

| Model | Size Length | Width | Depth | Air inlet Diameter | Air exchange $m^3$/hour | Temperature + °C |
|---|---|---|---|---|---|---|
| SV 3 | 72 | 54 | 10 | 100mm | 25 $m^3$ | 15° |
| SV 7 | 102 | 72 | 10 | 125mm | 50 $m^3$ | 15° |
| SV 14 | 199 | 72 | 10 | 125mm | 60 $m^3$ | 30° |

*Please notice that air exchange and increase of temperature is shown at the maximum measures at full radiation. As the SolarVenti is used to dehumidify the under floor area, there will normally be no need for a regulation of the air flow. A SolarVenti with an on/off switch, will suffice - if the system is only intended for under floor ventilation.*

*Above picture shows a typical under floor area of a house from the 1980's. Despite of the many vents the relative humidity is fairly high. When the picture was taken, the humidity in the under floor area was 82 % RH and the temperature 12 °C. Outside the corresponding figures were 62 % RH and 17,5 °C. With the installation of a **SolarVenti**, the result would have been different. Try, and judge for yourself!*

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