



Priva Air recirculation

Tailormade

Make your greenhouse an 'Optimahouse'

An Optimahouse uses free solar energy to offset energy derived from fossil fuels. Now you even can benefit from the advances of the Optimahouse concept in your existing greenhouse. This new opportunity to save energy requires a very modest investment. You just need to install fans under the crop gutters, and to connect these to Priva Air Tubes. This has not only been successful with salad crops in gutters, but can also be used with pot plants and flowers grown on benches.

Constant climate

Greenhouse air is circulated through the air tubes beneath the gutters or benches, which causes an airflow. As a result the plants benefit from the advantages of the air flow, but remain at a safe distance from the fan. The air outlets in the tubes run the entire length of the row to ensure that an even amount of air is circulated. As a result of the air movement there is more homogeneous distribution of temperature, humidity and CO₂. Improved control of condensation reduces the risk of fungal diseases as well as the need for excessive minimum pipe temperature.

Energy saving

Because it takes longer to reach dew point, the minimum water temperature can be reduced. Better heat transfer from the heating pipes also ensures that the return

temperature of the water will be lower. This all adds up to considerable energy saving, and together with the production advantages this means that your investment in the system will quickly pay for itself. If required, a valve system on the side wall can also be incorporated to mix outside air with greenhouse air.

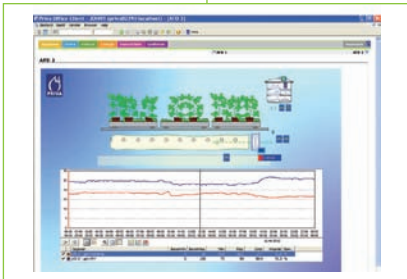
Higher production

A stable climate is very beneficial to plants and will result in increased production. For example, Priva Air Tube creates an air flow which reduces the temperature increase caused by supplementary lighting.

Control

Software specially developed for the Priva Intégro controls the operation and speed of the fans.





Climate Advice

When using this new concept it is vital to make the correct transition from the intended crop strategy to the most suitable computer settings. Your Priva Climate Consultant will be happy to assist you and your crop advisor in achieving the perfect climate.

Priva does more than just supply and install products and software; we specialise in offering a total solution. During every stage of this process Priva will provide you with the best possible support, allowing you to benefit from the maximum return on your investment.

Advantages

Increase in production by creating air flows through the crop, a more homogeneous climate and a constant RH. Energy savings through optimal temperature distribution and less frequent use of minimum water temperature. Diseases and fungi have less chance to develop.

Need to know more?

Call Priva at T +31 (0)174 522 600 or visit our website www.priva.nl. We will be delighted to help you with your next step.



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