

GREENHOUSES



- Reduction of crop loss
- Save of energy costs
- Greater control of relative humidity and temperature
- Reduction in usage of pesticides and fungicides due to less humidity related diseases

In greenhouses there's a tendency to have high moisture content during the day. This is because of high temperatures in the green house whereas at night the condensation rate of the moisture in the air is high due to low temperatures. As a result, condensate forms on cooler surfaces, creating a conducive environment for mildew and fungi such as botrytis which in turn damages the yield. Introduction of a dehumidifier to such an environment would regulate humidity and temperature within the green house.

In so doing it will ensure that condensation is avoided, and the threat of crop-robbing pests and diseases is greatly reduced. Furthermore, by regulating temperature and humidity, optimum climate conditions for plant growth can be achieved resulting in maximum yield.



Moisture control

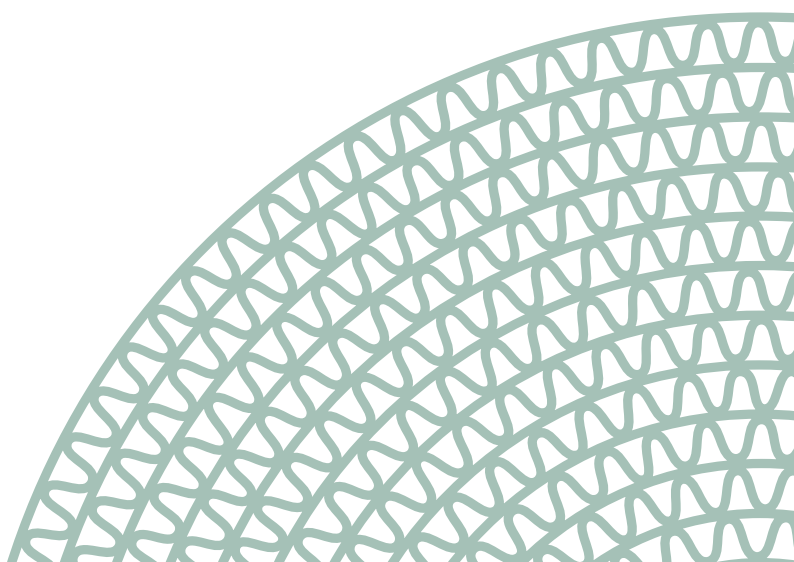
The main challenge in commercial greenhouse is to remove excessive water and humidity. A common way to try and control the climate within greenhouses is by using ventilation systems. Ventilation allows the moist warm air in the greenhouse to be replaced by the fresh air from the outside. This is done by using a natural convection or mechanical ventilation. Both of these two alternatives are affected by the outside weather conditions and are not used when outdoor air is cold or damp.

Dehumidification solutions by DST

The best method to control humidity, irrespective of the prevailing weather conditions, is through the use of dehumidifiers. They allow growers to control climate inside the greenhouse while it is insulated (the doors and sides are not opened), thereby reducing energy cost associated with warming the greenhouse and limitation in the usage of fungicides and pesticides.

Want to know more?
Visit us at www.dsteastafrica.ke

World leaders in dehumidification.



Seibu Giken DST AB

TO SELECT A DEHUMIDIFIER

Seibu Giken DST AB can provide the answer to the specific needs of every application. There is no problem requiring the supply of dry air that cannot be solved. Visit us at www.dst-sg.com and find your nearest technical representatives to discuss your requirements.

Why dehumidify?

Dehumidification of air is an economic and effective way of avoiding problems that moisture can cause, such as rust, condensation, icing, mould and disruptions in production cycles. DST representatives have the experience of dehumidification solutions for everything from; warehouses, refrigerated storage, cleaning up the industry and buildings and climate solutions for the process industry. A regulated level of humidity is also very important when handling hygroscopic ingredients.

Seibu Giken DST AB

DST is a Swedish company, founded in 1985. We are now a leading international supplier of desiccant dehumidifiers. DST has been a subsidiary of Japanese company Seibu Giken Co Ltd since 1993. DST is currently represented in over 40 countries throughout the world. Seibu Giken Co manufactures dehumidifier rotors, VOC rotors, heat exchangers and more.



Flexisorb unit CF-192



Stainless steel dehumidifiers from Seibu Giken DST.
From left DR-010B, DC-5, AQ-31L



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Updated 19.01



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