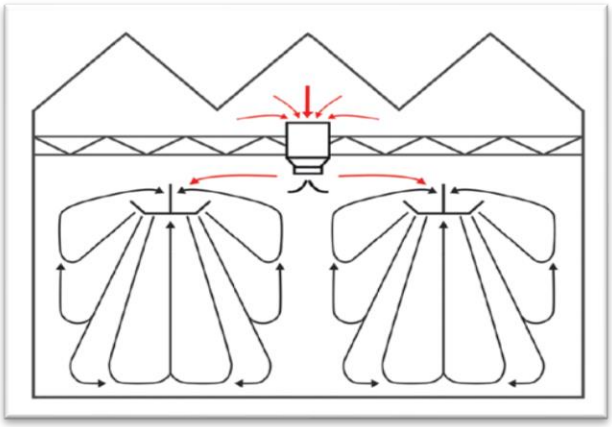
Nivolution

Control over humidity and climate, while saving energy

The importance of closed screens continues to increase in the strive for greater energy savings. Optimising the climate under these screens requires a different approach. How do you get a good crop climate under the closed screens? The Nivolution is the solution, it is a matter of air displacement!





Advantages

- Forced ventilation system
- Dehumidification of the greenhouse
- Screens can be closed for a longer period
- Homogeneous climate and less use of heating.
- Energy-efficient and efficient touring EC motor.
- Fewer slatters and more screens.
- Less use minimum tube.
- Maintenance free.

Specifications

- Air inlet capacity: 4900 m3 per hour
- Connection voltage: 230V or 110V
- Engine power: 260 Watt/230 volt
- Application: 1 per ± 450 m²
  1 on ± 225 m²
  (Cannabis)
- Thermal protection
- Efficient 0-10V controllable



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Dehumidification capacity

Below, using the standard design distance, for two types of crop a dehumidification capacity of the Nivolution is determined per season. Based on the season, the AH difference between the greenhouse climate (indoor) and the climate above the screens (outdoor) is determined.

The average dehumidification capacity of the Nivolution is 508 litres per hectare per hour.

Gerbera

	AH difference in g/m3	Capacity in g/m2/h
Spring	5	54.44
Summer	2	21,78
Autumn	3.5	38.11
Winter	5.5	59.89

Cucumber

	AH difference in g/m3	Capacity in g/m2/h
Spring	8.5	92.56
Summer	5	54,44
Autumn	4	43.56



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