ORANGE CLIMATE

Orange Climate Agri

VA Grow CO2

VA Grow CO2: keeping CO2 in the greenhouse

Two experts in air distribution and air handling combine their strengths to ensure an optimal climate all year round. With the latest innovation in the preservation of CO2, we also achieve considerable energy savings.

365 days per year cultivation guarantee, 24/7, including keeping the CO2 in the greenhouse. With the VA Grow CO2.

VA Grow CO2

Growers want to have complete control over their growing climate. They are busy daily searching for the optimal mix of ideal temperature, air humidity, light, nutrients and CO2 to create an optimal climate for best production. Our companies offer the solution and create the perfect growing climate, regardless of the greenhouse or climatic conditions. The VA Grow CO_2 has been developed from the ground up for this purpose and has become a distinguishing innovation in the market: an unique air mixing system for active recirculation while preserving CO_2.

CO2 preserved in the greenhouse

The VA Grow CO_2 creates an optimal, stable temperature and humidity range for cultivating for optimal yield. Because of the possibility to preserve CO_2 and apply heat recovery with more than 90% efficiency it will lead to:

- guaranteed crop production 365 days a year
- enormous energy savings
- less added CO_2 required
- keep valves closed to maintain the CO_2 level in the greenhouse
- keep insects out of the greenhouse
- optimal piece of technology for the New Generation Growing

Patented air distribution

By applying the patented GrowAir air distribution hoses, we also ensure a homogeneous horizontal and vertical distribution of CO_2, temperature and air humidity. This takes place both alongside the plants and through the crop, making it easier to create the optimum conditions for maximum CO_2 uptake and therefore optimum growth.

Ready for the future

The VA Grow CO_2 is the first solution in the world that preserves CO_2 in the greenhouse for optimal growth. It produces substantial energy and CO_2 savings. In doing so, it takes into account not only the current but also the future challenges of the horticulture market. Because it is necessary to invest in a ventilation system and air distribution hoses in any case, the extra investment is minimal and can be recouped in just a few months or years. Long-term energy savings and the continuous improvement of the growth climate in the greenhouse are already sufficient reason to introduce this innovation.

Orange Climate
Albert Einsteinweg 10
5151DL Drunen

T +31 416-672 200
E info@orangeclimate.com