

van Dijk heating

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**Promote growth in your greenhouses.
Opt for the CO₂ dosing unit from Van Dijk heating.**

Van Dijk heating has been supplying high-quality CO₂ dosing units for use in greenhouse farming since 1980. An increased concentration of CO₂ in the cultivation area promotes crop growth and results in a higher yield. Because of this, it is impossible to imagine a modern greenhouse-farming company without a system in which CO₂ is dosed via boilers and/or a combined heat and power system.

How it works? A high percentage of CO₂ is present in the moist flue gases in gas-fired equipment. By dosing these gases in a controlled manner in the cultivation area, the CO₂ is used as manure. Install the dosing unit produced by Van Dijk heating and you will soon see that it virtually looks after itself!

CO₂ dosing unit

Model 2012

4.01 EN

A custom-made solution

The CO₂ dosing unit produced by Van Dijk heating is available in different models. For example, Van Dijk heating produces one model with stop valves for connection to the flue gas channel and one that makes it possible to blend in outside air too. The standard models are available with power consumption ranging from 1.1 up to and including 37 kW. Added to this, these CO₂ dosing units can be used anywhere in the world.

Because of their modular construction, a custom-made solution is possible for virtually every system. Do you need a 60 Hz model or a different electric voltage? Do you have special wishes or requirements? Van Dijk heating can produce the ideal dosing unit for you.



Balanced dosing system

Naturally, you will expect any high-quality dosing unit to also include a sophisticated and balanced CO₂ dosing system. Van Dijk heating supplies everything that you will need to achieve this, including dosing hoses, valves, throttling plates and connection sets for gas hoses.

Added to this, Van Dijk heating has the knowledge, experience and software necessary to calculate and design virtually every dosing system imaginable for nurseries and boiler houses. The correct design is vital to ensure that the most efficient system possible is achieved. Whether you need a collector for a number of combined heat and power systems and boilers or want to achieve the proper integration of outdoor air valves and safety valves, the design stage will be crucial.

The Van Dijk heating CO₂ dosing unit

- A higher percentage of CO₂ promotes growth.
- Proven quality with a long working life.
- High-quality materials.
- Maintenance free.
- Extensive expertise on hand.
- Calculation of your pipe system.
- Systems comply with ISSO 86.

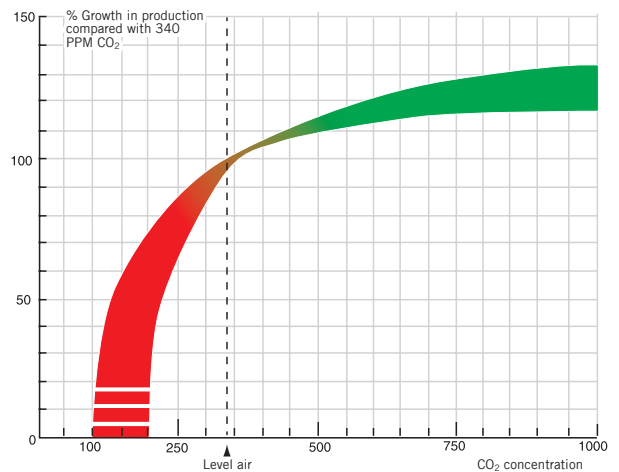


Chart: Proportional growth at higher CO₂ concentration

High quality materials



Condensate residue is left in a flue gas condenser and is aggressive and affects many materials. To prevent this, Van Dijk heating produces its CO₂ dosing unit solely from components that are resistant to these aggressive substances. The spiral casing for the ventilator is made from plastic (PP), while the fan and the valve are made from stainless steel.

Added to this, the special construction of the ventilators ensures that the condensate is unable to penetrate into the motor bearings via the shaft. This results in a significant extension of the working life. Stainless steel spiral casing is used for high temperatures (in excess of 60 °C).

