

Advantages of the fertigation system

- Automatic adjustment of the desired pH value by adding acid
- Automatic dosing of the two-component liquid fertilizer to maintain the required conductivity
- High-quality, stainless steel components and plastics used
- Web-based control system
- Use of solenoid diaphragm pumps for precise dosing
- Individual placement possible through wall mounting or floor stand

TECHNICAL DATA

- Systems up to 10 m width and 50 m length per line can be realized on customer request, larger systems on request
- Configurations for small to medium-sized greenhouses
- Specific setting of parameters such as positioning and time intervals are possible at any time

POWER SUPPLY AND CONTROL

- 1 x 230V/50Hz
- Networking the central controller with field components via BUS system
- Web-based control
- Operation via smartphone, tablet or computer possible
- System diagnostics from LUBING possible as technical support

SUITABLE COMPLEMENT



Pump-Systems Fogging-Systems Pad-Systems

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AUTOMATED GUTTER SYSTEM AGSI
FOR HYDROPONIC



LUBING GREENTEC AGS

The LUBING GreenTec AGS is an NFT gutter system specially developed for hydroponics, which enables the production of lettuce and leafy greens with optimal plant density. Our focus is on the automation of small to medium-sized greenhouses.

The planting and harvesting area is located at the front of the system to increase the efficiency of production with minimal labor. The trays are moved fully automatically between the two areas and the distance between the trays is adapted to the space required by the plants in the respective growth phase. This enables us to achieve the highest possible plant density at every stage of growth.

In addition to the well-known advantages of hydroponics, such as better hygiene conditions, our AGS optimizes production in terms of quantity and quality.



ADVANTAGES

of the AGS

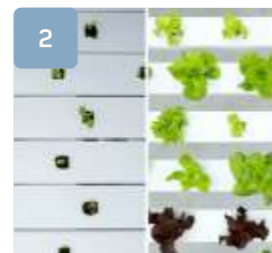
- The system can be adapted to individual requirements thanks to its modular design.
- Adaptation of the hole contours in the gutter cover to the plugs
- The web-based control system allows settings to be made via smartphone or computer at any time from any location.
- Fully automatic transfer of the gutters between the two tracks
- Low maintenance as no belts are required.
- A trolley can be installed as an option, which can also be equipped with a sprayer to treat the plants.



1

Inserting the plugs

- Placing the plants with plugs in the gutters at the front
- Start of production with narrow gutter spacing



2

Gutter spacing

- The spacing of the gutters is increased in line with the growth
- This is done automatically and can be set individually



3

Irrigation and fertigation

- The plants are supplied optimal by the fertigation system
- The gutters are filled via hoses from the aisle side



4

Transfer unit

- The transfer unit is installed at the end to transport the channels to the other side.
- Fully automatic and safe transfer between the conveyor sections



5

Easy maintenance access

- The transfer unit is split in the middle for easy access
- The transfer is secured in such a way that there is no safety risk



6

Trolley

- A trolley for maintenance and for transporting various items is optional
- This can also be used as a base for a sprayer for treating the plants



7

Harvesting

- Ideal access to the gutters also at the front of the conveyor line
- Simple and ergonomically optimized harvesting from the gutters



8

Controler

- Programmable control for individual settings
- Web-based access via smartphone, tablet or PC enables adjustments at any time

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Further information at: WWW.LUBING-GREENTEC.COM