# BEST SUPPLIED

## FERTIGATION-SYSTEM

The LUBING GREENTEC Fertigation-System automatically and precisely adjusts pH and doses two-component liquid fertilizers using solenoid diaphragm pumps. It enables:

» Precise pH control
» Constant EC through automatic fertilizer dosing
» Use of high-quality stainless-steel and plastic components
» Web-based control, diagnostics, and operation via smartphone, tablet, or computer
» Flexible installation on wall or floor stand
» BUS system for networking all components
» System layouts up to 10 m width and 50 m length per line; larger on request

## POWER SUPPLY & CONTROL

» 1 × 230 V / 50 Hz
» BUS-system networking of central controller and field components
» Web-based control and full remote operation
» Operation via smartphone, tablet, or computer
» System diagnostics available via LUBING technical support

## TECHNICAL DATA AGS

» Systems up to 10 m wide and 50 m long per line
» Larger systems available on request
» Precise adjustment of positioning and time intervals at any time

Suitable compliment
**FOGGING-SYSTEM | PAD-SYSTEMS | PLASTIC-PADS**

LUBING
GREENTEC

LUBING System srl
Via Marco Polo, 33 | 35011 Campodarsego
Italy

T +39 049 9202290
F +39 049 9201234
M info@lubing.it

**LUBING-GREENTEC.NET**

Status: 01 / 2026 | Technical changes, further developments and improvements are subject to change.

LUBING
GREENTEC

# AUTOMATED GUTTER SYSTEM FOR HYDROPONICS

# AGS

The LUBING GREENTEC Automated Gutter System (AGS) is an automated NFT gutter system for hydroponics, designed for small to medium-sized greenhouses. It automatically adjusts gutter spacing, streamlines planting and harvesting, and optimizes production flow – ensuring maximum plant density, high efficiency, and excellent crop quality with minimal labor.

## ADVANTAGES

- Automatic adjustment of gutter spacing for each growth stage
- Convenient planting and harvesting area at the front of the system
- High plant density throughout all growth phases
- Low maintenance – no belts required
- Web-based control via smartphone or computer, anytime and anywhere
- Modular design adaptable to individual customer requirements
- Optional trolley for maintenance and plant-protection applications

HOW THE SYSTEM WORKS

## FLEXIBLE FOR EVERY GROWTH STAGE

The production cycle begins at the front of the system, where plugs are placed into the gutters. The gutters start in a narrow spacing and automatically widen as the plants grow, ensuring that the distance always matches their requirements. Irrigation and nutrient supply are managed by the connected Fertigation-System, which feeds the gutters through hoses from the central aisle.

At the end of the track, the split transfer unit moves the gutters safely and fully automatically to the opposite lane while maintaining easy access for maintenance work. Harvesting also takes place at the front of the system, providing ergonomic, fast, and convenient access to all gutters.

### INSERTING THE PLUGS (01)

- Plugs are placed at the front of the system
- Production starts with narrow gutter spacing

### START WITH A NARROW SPACING (02)

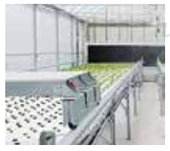
- Gutter spacing increases automatically as plants grow
- Individually adjustable

### IRRIGATION AND FERTIGATION (03)

- Supplied by the fertigation system
- Feed via hoses from the aisle

### TRANSFER UNIT (04)

- Fully automatic transfer between the two tracks
- Split design for easy maintenance access
- Secured transition with no safety risks



### TROLLEY (05)

- Optional tool for maintenance and transport
- Can also serve as a base for a plant-protection sprayer

### EASY MAINTENANCE ACCESS (06)

- Split transfer unit for quick, safe access to maintenance
- Fully secured transfer – no safety risk

### HARVESTING (07)

- Ideal access at the front of the system
- Simple and ergonomic operation

### CONTROLLER

- Programmable settings for all movements
- Web-based access via smartphone, tablet, or PC