



## FOGGING-SYSTEMS FOR GREENHOUSES



# THE PERFECT HUMIDITY

The LUBING GREENTEC Fogging-System provides efficient cooling and humidification for greenhouses. With 70 bar high pressure, ultra-fine mist droplets, and a modular system architecture, it creates stable climate conditions and supports optimal plant growth – precise, reliable, and easy to install.

## SYSTEM COMPONENTS



### PUMP UNIT – D-LINE

- » Direct drive
- » Supplies multiple areas with one pump unit



### TOUCH CONTROLLER

- » Interactive control and monitoring
- » Easy operation via touchscreen



### FILTER UNIT

- » Central filtration for particle-free water
- » Easy filter exchange



### NOZZLE LINE

- » 6-m stainless steel pipe with welded adapter and high-pressure nozzle
- » Alternatively with Pressfix nozzle adapter



### VALVES

- » Solenoid valves for separate activation of individual zones
- » Easy installation, also in existing systems

## MAXIMUM COOLING PERFORMANCE

Starting temperature	36°C	36°C	36°C	36°C
Starting humidity	10%	30%	50%	70%
Final temperature	18°C	24°C	29°C	33°C
Final humidity	85%	85%	85%	85%
Cooling performance	18°C	12°C	7°C	3°C

## PUMP TYPE FLOW RATE

Liters per minute	2	5	12	21	30	38	70
Maximum nozzles	20	60	140	250	350	400	800

## ► ADVANTAGES

- » Ultra-fine mist: droplet size only 5 µm for rapid evaporation
- » Uniform cooling without wetting
- » Reduced irrigation demand
- » Higher yields through stable humidity levels
- » Easy installation and expansion
- » Separate control of individual greenhouse areas
- » High reliability and long service life
- » One pump unit can supply multiple zones

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