



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



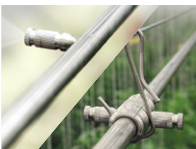
TOUCH CONTROLLER

- » 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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