

# Priva Vialux M-line

Powerful disinfection in the  
most efficient way



**Affordable and reliable UV disinfection, purpose-built for horticulture. That is what the Priva Vialux M-Line stands for. With UV disinfection, you significantly improve disease control while using water more efficiently. The Vialux M-Line enables the safe reuse of drain water and complies with the most stringent horticultural and food safety standards. All in a fully automated, scalable system.**

## Why use the Vialux M-Line?

### **Made to match your operation**

The Vialux M-Line represents a modern generation of UV disinfection, based on innovative mid-pressure UV technology. The modular design makes it possible to configure the unit from 2 up to 32 UV reactors, matching the exact capacity required for your situation. Everything connects seamlessly to the Priva process computer for centralized control and peace of mind.

### **Process control and safety**

The disinfection process is fully automated, including startup, cleaning, and dosage control. Harmful organisms are eliminated efficiently without wasting energy. Built-in safeguards protect against lamp failure, overheating, dry-running, and power fluctuations. This ensures maximum disinfection security at all times. If an issue occurs, clear diagnostics provide direct insight into the cause.

### **Easy to install. Easy to maintain.**

Simplicity is at the core of the Vialux M-Line design. The UV lamp, quartz tube, and UV sensor can all be replaced by the operator without requiring a specialist. A clear preventive maintenance schedule with automatic notifications helps minimize downtime and keeps your system running reliably.

### **Seamless integration**

The Vialux M-Line integrates fully with the Priva process computer. Through Priva One, you gain clear operational insight and receive timely maintenance alerts. Connection to third-party control systems is also possible, allowing external start/stop control when needed.

### **Payback in less than three years**

The Vialux M-Line offers the lowest energy costs per disinfected cubic meter of water compared to other UV technologies. The system enables the safe reuse of drain water, leading to substantial savings on both water and fertilizers without increasing the risk of disease spread. In most cases, the Vialux M-Line has a payback period of less than three years.



## Advantages of the Vialux M-Line

### Protect your crop

- Eliminates viruses, bacteria, fungi, and nematodes from surface water and drain water
- Proven UV doses validated by independent research (Wageningen University & Research)

### Meet regulations and consumer demands

- Guarantees greenhouse water quality for safe, healthy produce
- Prevents water discharge and helps protect your license to operate

### Realize significant savings

- Designed to minimize energy costs per cubic meter of disinfected water
- Safe drain water reuse reduces fresh water and fertilizer costs

### Flexible and future-proof

- Scales from 2 to 32 UV chambers to match any operation
- Handles a wide range of UV transmittance (T10: 10–99%) and disinfection doses
- Fully automated with minimal human intervention

# Vialux M-line Options

Priva Vialux M-Line systems can be extended with different options for additional functionality:

01

#### Hydrogen Peroxide Dosing

Combining hydrogen peroxide with UV-C light creates an advanced oxidation process. This removes organic matter and crop protection residues, increasing overall disinfection effectiveness.

02

#### Automatic Pre-Filtration

Solid particles larger than 25 microns can shield pathogens from UV exposure, reducing disinfection effectiveness. The automatic screen filter connects directly to the Vialux M-Line and self-cleans during operation. No production stops, minimal water loss, and consistent filtration performance year-round.

03

#### pH Control & Acid Dosing

Maintaining an optimal pH level not only improves disinfection efficiency but also reduces scaling on quartz tubes, extending their service life. The integrated acid dosing system monitors pH in real time and adjusts automatically, keeping your UV chambers cleaner for longer while reducing manual intervention.



Want to know more or get in touch?  
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The Experts' Choice