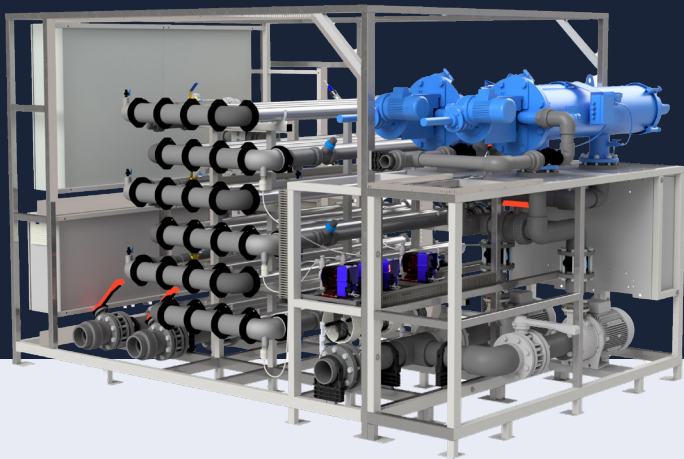


# Priva Vialux M-Line

Powerful disinfection in the most efficient way



**Affordable and reliable UV disinfection for the horticulture market. That is what the Priva Vialux M-Line stands for. With UV disinfection, significant improvements can be made in disease control and efficient water use. Additionally, the Vialux M-Line meets the most stringent food hygiene standards.**

## Why use Vialux M-line?

### **Made to match your business size**

The new Vialux M-Line series represents a modern generation of UV disinfection, using innovative mid-pressure UV technology that is unique in the market. The modular system can be customized to meet your company's needs. Depending on your operational scale, the unit can be installed with anywhere from 2 to 32 UV reactors. The Vialux M-Line systems can be fully integrated into your Priva Connex process computer.

### **Process control and safety**

The Vialux M-Line disinfection process is fully automated. Automatic startup, cleaning, and dosage control ensure that harmful organisms are broken down efficiently, without wasting energy through overcapacity. If something goes wrong, the system provides clear diagnostics, giving you precise insight into the issue. It is also protected on multiple levels, including safeguards against lamp failure, overheating, dry run, power surges, voltage drops, and more.

### **Easy to install and maintain**

One of the main objectives during the development of the Vialux M-Line was to make installation and maintenance as easy as possible. The UV lamp, quartz tube, and UV sensor can all be replaced by the user.

### **Connection to your process computer**

The Vialux M-Line can be fully integrated and operated with the Priva Connex control computer. With Priva Operator, you gain clear insight into your operation and receive alerts when maintenance is needed. When connected to another brand of process computer, the system can still be controlled externally by starting or stopping it as required.

### **Short return on investment**

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, which leads 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 time of less than three years.



## Advantages of Vialux M-line

### Protect your crop

- Disinfects surface and drain water to remove pathogens such as viruses, bacteria, and fungi

### Meet with regulations and consumer demands

- Ensures water quality in your greenhouse for safe and healthy produce
- Prevents water discharge and helps retain your license to produce

### Realize savings

- Enables reuse of drain water and fertilizers at the lowest cost per cubic meter disinfected water compared to other UV disinfection systems

### Be flexible and future proof

- Scalable and expandable to match your operation
- Suitable for a wide range of UV transmittance, disinfection degrees, and volumes
- Fully automated, offering ease of use and peace of mind
- Different reactor sizes available for different water types to enhance efficiency

# Vialux M-line Options

The Priva Vialux M-Line systems can be extended with different options for added functionalities:

## 01

### Hydrogen peroxide dosing

Combining hydrogen peroxide with UVC light creates an advanced oxidation process. This process removes organic materials and even crop protection agents, making your UV installation even more effective.

## 02

### Pre-filtration

Proper pre-filtration is essential for the long, trouble-free use of the Vialux M-Line. Removing solid particles larger than 25 microns is necessary because pathogens can hide behind them, making disinfection ineffective.

## 03

### Automatic Screen Filtration

An automatic screen filter can be directly connected to the Vialux M-Line. Screen filters are known for their low maintenance, small water consumption, and high reliability. They ensure optimal filtering during the disinfection process. In addition, the screen filter can be cleaned during operation, so the disinfection process does not need to stop.



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