The Priva Vialux M-Line UV disinfection system destroys all existing organisms such as fungi, bacteria and viruses within the irrigation water. The system can be applied for both new entry water and recycled drain water.

UV disinfection allows continuous recirculation of the irrigation water in a safe way. As a result, expensive fertilizers are not flushed down the drain and do not contaminate the environment.

The new Priva Vialux M-Line series stands for a new generation of UV disinfection, based on a brand new technology called mid pressure UV which is unique in the market. The modular system can be customized to meet your company's needs.

Depending on the scale of operation, two, four, six or eight UV disinfection chambers can be installed. It can be operated as a stand-alone system via an onboard touch screen or integrated as a sub-station of your Priva Connext process computer.

Process control and safety

At every system start, the UV transmittance of the process water will be measured to define the exact settings for the disinfection process. This ensures that all harmful organisms are broken down without wasting energy through overcapacity. The system is protected in many ways: against lamp failure, overheating, dry run, surges, lows in the power network and more.

Easy to install and maintain

One of the main objectives in developing the Vialux M-Line, was to make installation and maintenance as easy as possible. Therefore, the UV lamp, quartz tube and UV sensor can be replaced by yourself.

Connection to your process computer

If you have a Priva Connext process automation system, the Vialux M-Line can be operated by this system. Priva Office Direct or the touch screen will give insight in your operation and advise you when maintenance should be executed. When connected to another brand of process computer, the computer can tell the Vialux M-Line when to start or stop working.

Short payback time

The Priva Vialux M-Line offers, compared to other UV technologies, the lowest energy costs per disinfected cubic meter water. It also makes the reuse of water possible, so you can realize substantial savings on water and fertilizers. In most situations, the Priva Vialux M-Line system has a payback time of less than three year.
Priva offers you a proven and reliable disinfection system that helps you improve and guarantee the quality of your cultivation, while saving on resources and costs. Priva Vialux M-Line, powerful disinfection in the most efficient way.

**Vialux M-Line options**

Priva offers you a proven and reliable disinfection system that helps you improve and guarantee the quality of your cultivation, while saving on resources and costs. Priva Vialux M-Line, powerful disinfection in the most efficient way.

**Hydrogen peroxide dosing**

UV light and hydrogen peroxide complement each other, leading to better results for longer recirculation of water. Advanced oxidation with hydrogen peroxide removes growth inhibiting factors and crop protection agents, leading to cleaner waste water before discharge. It also helps to keep dripping lines cleaner.

**Pre-filtration**

Proper pre-filtration is the basis for a long, trouble-free use of Vialux M-Line. Removing solid parts bigger than 25 micron is necessary, because germs can hide behind them which makes disinfection impossible. Filters smaller than 25 microns cause unnecessary flushing, energy loss and require more maintenance. In addition, pre-filtration protects the Vialux M-Line against clogging.

**Automatic Screen Filtration (SAF)**

The automatic screen filter can directly be connected to the Vialux M-Line. Screen filters are known for their low maintenance, small water consumption, and reliability. They assure optimal filtering during the disinfection process. In addition the SAF can be cleaned during operation.

**Sand filter connections**

The Vialux M-Line can be equipped with sand filter connections for easy installation of a sand filter. The sand filter itself is not included.

**Priva Vialux M-Line advantages**

**Protect your crop**

- Against germs like viruses, bacteria and fungi by disinfecting surface and drain water

**Realize savings**

- By reusing drain water and fertilizers with lowest costs per m³ disinfected water compared to other UV disinfection systems

**Meet with regulations and consumer demands**

- Ensure the water quality in your greenhouse for safe and healthy produce
- Prevent water discharge

**Be flexible and future proof**

- A scalable and expandable system for each scale of operation
- Wide range of operation in terms of UV transmittance disinfection degree and volumes
- Replace the lamp, quartz tube and UV sensor by yourself