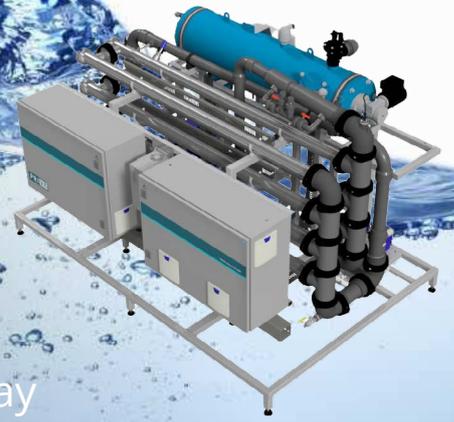




Priva Vialux M-line

Powerful disinfection in the most efficient way



Affordable water disinfection with UV light for any horticulture company. That is what the Priva Vialux M-Line stands for. With UV disinfection, significant improvements can be realized with regard to disease control and efficient water use. Besides the Vialux M-Line meets the most stringent demands for food hygiene.

Why use Vialux M-line?

Made to match your business size

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 Connex 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 Connex 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.

Advantages of Vialux M-line

Protect your crop

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

Meet with regulations and consumer demands

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

Realize savings

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

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

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

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 automatic screenfilter can be cleaned during operation.



Want to know more or get in touch? Visit priva.com/nutri-line
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