

VGE Pro UV-C control units

For the VGE Pro UV-C systems 6 different control units are available, knowing: Basic, Control Timer, Control Monitor, Control Monitor Plus, Compact controller and Comfort controller.



The Basic version is suited with an electronic ballast to drive the lamp(s). Standard the power supply of the UV-C lamps is realized by electronic ballasts which drive the lamps with a much higher frequency (over 30.000 Hz) compared to conventional electromagnetic ballasts (50/60 Hz). This has the following advantages:

- Higher ballast efficiency, so less heat production
- Longer lamp life of the UV-C lamps
- Higher UV-C lamp efficiency
- Direct start, no conventional ignitor required



The Control Timer has a LED display for showing the operational lamp hours. The maximum number of burning hours are displayed when the system is started. After this the display counts down to 0, at which time the lamp must be replaced.

Hour counter

If a UV-C lamp is in operation natural aging of the lamp will take place which results in a reduction of UV-C radiation and disinfection capacity. Therefore it is important to replace a UV-C lamp in time. An operational hours counter is a useful tool to make sure that you change the UV-C lamp on time and keep up a reliable UV-C disinfection of your water.



The Control Monitor has a colour display and an optional UV sensor can be connected for monitoring the treatment process.

Several ways of communication with a control unit are available such as: analog 4 - 20 mA signal, via potential free contacts and of course via the HMI. By using these options the control of your disinfection process is easy and efficient.

The monitor can measure the UV-C intensity inside the treatment chamber by adding a UV sensor. Depending on the application a certain UV-C intensity must be realized for a reliable disinfection result.

A flowswitch can be connected to switch off the UV-C system when there is no water flow through the treatment chamber. This to prevent malfunctioning of the system.



The Control Monitor Plus is a complete controller and multilingual. A UV sensor, temperature sensor and a flowswitch can be connected. The control unit has alarm and warning functions built-in.

When there is no flow or water in the treatment chamber when the lamp is switched on, the temperature in the chamber can reach a dangerous level. By choosing the optional temperature sensor in combination with the Control Monitor Plus the temperature inside the treatment chamber is monitored. If the limit is reached the system will be switched off and an alarm will be activated.



The Compact controller is a basic controller, suitable for a MultiMax or 600-85 Medium Pressure unit. It's equipped with a LED lamp life indication.

Depending on the life of the lamp, the LED shows a different color. Green means that the lamp is still burning properly. Flashing red means the lamp will need to be replaced soon. With a red LED light, it means that the lamp must be replaced immediately.



The Comfort controller is a complete controller for the 600-85 or 1200-85 Medium Pressure unit. The controller can optionally be equipped with a UV sensor to measure the UV-C intensity inside the treatment chamber. Besides that it is suitable for a temperature sensor or a ModBus. The temperature sensor monitors the temperature in the treatment chamber to avoid overheating. The controller is available with different languages.

MORE INFORMATION

Visit www.vgepro.com or contact our product specialists at +31 (0)499 461099