

Safety Guidelines for Dulcodes UV systems

General safety guidelines

- UV radiation is damaging to eyes and skin.
- The lamps must be commissioned only when they have been correctly installed.

Guidelines to installation

- The installation room must be dry and frost-proof and the UV disinfection system must be protected from chemicals, dyes and fumes.
- Install the UV disinfection system in accordance with instructions before commissioning the lamps.
- Ambient temperature max. 40 °C.

Guidelines for commissioning

- Do not exceed the maximum operating pressure.
- Before assembling the lamps, switch off the main switch or remove the device plug.
- Do not switch on the system until the radiation chamber has filled with water.
- The sensor must be calibrated before commissioning. An incorrectly calibrated sensor cannot fulfil its monitoring function. Under certain circumstances this may result in the user receiving inadequately disinfected water.
- In applications with high disinfection requirements the pipe work downstream must be disinfected, e.g. using high chlorination, before commissioning. This is especially necessary where pipe work has already become microbiologically contaminated.

Operating guidelines

- Ensure that the maximum admissible water flow is not exceeded.
- Ensure that the minimum admissible UV transmission is not reaching lower valves.
- Particularly for large systems, if the UV disinfection system is in operation for a long period without water flow, the temperature should be monitored and the system switched off if necessary.
- If suspended solids or dissolved solids are present in the water to be disinfected, a suitable filter should be installed upstream from the UV disinfection system.