Bauer-UV-System 2-90-20
double reactor / 90-watt lamps / max. volume flow of up to 20 m^3/h

...is characterized by exceptionally high disinfection performance combined with a compact design and low energy consumption. It is designed in accordance with applicable laws, standards, and guidelines and is suitable for various applications such as drinking water; air conditioning water; cooling water; permeate disinfection, greenhouses, sewage treatment plant effluent, etc.

The compact design allows for easy, tool-free lamp removal and uncomplicated lamp replacement. Lamps can be replaced without having to drain the water-carrying system. For cleaning purposes, the quartz immersion tube can also be easily removed from the reactor without tools - it can be dismantled, cleaned, and reinstalled.

Benefits

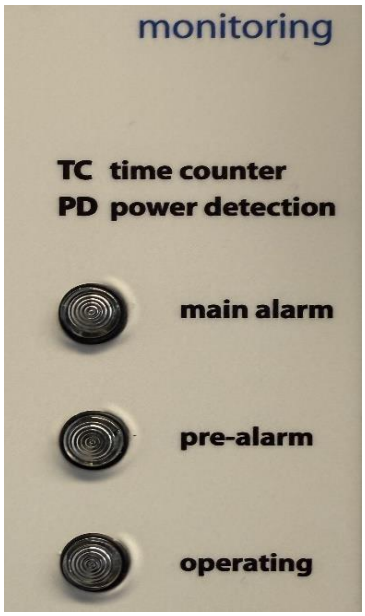
- no chemical input – reduction in the use of biocides
- no odour or taste impairment, as is the case with chlorine, for example
- low-maintenance operation with low operating and service costs

(Images are for general overview purposes only and may vary depending on the model.)

Monitoring / function monitoring / installation:

The system can be optionally equipped with various monitoring systems.
The options allow adaptation to your individual application situation.

- service life monitoring (TC – Time Counter) Monitoring of operating hours
- light sensor monitoring (PD – Power Detection) Monitoring of light intensity
- mounting kit for easy and space-saving wall mounting / in series connection – vertical; incl. a pre-assembled mounting slide for the control unit
- connection of the reactors in the Tri-Clamp system design. Depending on the installation situation and design, reactors can be installed in series or in parallel / vertically or horizontally. It should be noted that the flow through the reactor is from bottom to top



Option selection:

- Time-monitored
  - lamp service life monitoring / preset
  - includes monitoring - traffic light function for monitoring the operating status

- Sensor-monitored / see photo (right reactor with sensor and sensor mount)
  - Emission – light intensity monitoring
  - Continuous measurement of light intensity via a sensor on the reactor
  - Includes monitoring traffic light function for monitoring the operating status

- System monitoring – system failure monitoring / control unit
  - red lamp, indicator light for visual monitoring on site
  - and output as a potential-free contact for transmitting information about system function to higher-level monitoring systems / external monitoring

Technical data:

Throughput:	up to max. 28 m^3/h in circulation circuits, e.g., in cooling water systems up to max. 20 m^3/h in tab water systems; entrance to house / water supplier
UV-C transmission:	90% T1 cm
Water temperature:	2° C to 40° C
Reactor:	stainless-steel 1.4571
Connection:	inlet – outlet each with R 1 1/2"; external thread
Connection:	reactors - Tri-Clamp / stainless-steel
Seal material:	FPM
Reactor dimensions:	length x Ø in mm 928 x 85
Flange distance:	reactor inlet-outlet approx. 302 mm
Service life:	lamp approx. 8,000 to 10,000 operating hours
Number of lamps:	2
Dose:	radiation dose 400 J/m^2
Temperature:	medium max. 40° C
Operating pressure:	max. 10 bar
Housing protection:	class IP 65
Electrical connection:	110-240 V 50/60 Hz
Power:	Lamp 2 x 90 W
Fuse protection:	10 A
Weight:	approx. 16.0 kg

Dimensions: